NAIRN INLAID LINOLEUM

"Not so fast, young man"—

"YOU can't go hiking without mother, just yet, or you'll bump that pink little nose of yours. Goodness, but I'm glad there are no rugs here for you to stumble over!"

That's the delightful thing about a nursery floor of *Belflor* Inlaid—the new Nairn flooring. Its soft, dappled colors are so lovely, the patterns so decorative, that there's no need for rugs as with cheerless wooden floors.

On the other hand, there's nothing like *Belflor* to set off the beauty of rugs in your dining-room, living-room and bedrooms. Even conservative housewives are taking up this new idea of having floors that harmonize with the hangings and upholstery. It gives any room such an air of luxury and individuality.

Floors of *Belflor* Inlaid wear marvelously. They are easier to clean and more hygienic than dust-collecting floor-covering. And unlike wood, *Belflor* never needs refinishing—the patterns go clear through to the burlap base. An occasional waxing is all the attention *Belflor* requires.

When you see *Belflor* at your dealer's you will realize that it is something entirely new and distinct in inlaid linoleum. And its moderate cost will surprise you.

A Wealth of Patterns

You've no idea how wonderfully *Belflor* Inlaid flooring can beautify until you've seen the range of *Belflor* patterns. Send for the folder showing 31 *Belflor* designs in their actual colorings.

CONGOLEUM-NAIRN INC.

Philadelphia New York Boston Chicago Kansas City
San Francisco Atlanta Minneapolis Cleveland Dallas
Pittsburgh New Orleans

This Three Thistle trade mark is on the back of every yard of
NAIRN LINOLEUM

Belflor Inlaid—a new line of 46 marble- and pattern effects of rare beauty. Made in light and heavy weights.
Straight Line Inlaid—clear-cut inlaid tile patterns, machine inlaid.
Dutch Tile and Moulded Inlaid—the mottled colors merge slightly to produce softened outlines.
Marf Inlaid—a rich two-tone, all-over effect.
Granite and Marble Inlaid—popular all-over mottled effects.

The edge shows you that the inlaid patterns are permanent, the colors go through to the burlap back.

Battleship Linoleum—heavyweight plain linoleum—made to meet U. S. Gov't specifications. In five colors.
Plain Linoleum—lighter weights of Battleship Linoleum. In six colors.
Cork Carpet—an extra resilient and quiet plain-colored flooring.
Printed Linoleum—beautiful designs printed in oil paints on genuine linoleum. Has a tough, glossy surface.
Linoleum Rugs—linoleum printed in handsome rug designs.
Pro-Lino—attractive patterns printed on a felt base.

This Belfor Inlaid Pattern No. 7008 is shaded gray, blue and ivory makes a colorful and sanitary floor for the nursery.
The all-over pattern in the bedroom is Modern Inlaid No. 1/4136.

JUDGE

AUGUST 15, 1925
PRICE 15 CENTS

LARGER CIRCULATION THAN ANY OTHER HUMOROUS WEEKLY IN THE WORLD

"PUTTING ONE OVER"

JUDGE

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Ruth
Eastman -

SHOWING TO WHAT
LENGTHS GIRLS WILL GO

[redacted]

CHRISTMAS IN TUDOR ENGLAND

SIR WALTER RALEIGH INTRODUCES THE CHRISTMAS CIGAR TO HER MAJESTY.

Combining the best work of American and European designers, Collins & Aikman plush is truly the upholstery de luxe—durable as well as delightful in appearance.
COLLINS & AIKMAN CO.
Established 1843
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Send for THE PLUSH PRIMER—It will help you judge motor car values.
COLLINS & AIKMAN
MAKERS OF PLUSH

"Say! *This Is a Conklin!*"

The thrill of possessing something inexpressibly fine comes to the boy or girl who gets a Conklin to take along on the memorable "first day of school".

The Conklin Student's Special is made for boys and girls in the grades or in the universities. All the excellence that over 20 years of fountain pen building can put into a $3.50 writing tool goes into this wonderful pen. Compare it with anything anywhere near the price and superior value sticks out all over it. Pencils to match at $2.50. At most good places where pens and pencils are sold.

THE CONKLIN PEN MFG. CO. · TOLEDO, OHIO

CHICAGO LONDON SAN FRANCISCO BARCELONA BOSTON

The Student's Special pen and pencil are fitted with the Conklin "clip that can't slip" or a gold ring for ribbon, as desired. Replaceable points are standard equipment on "the pencil with the long lead".

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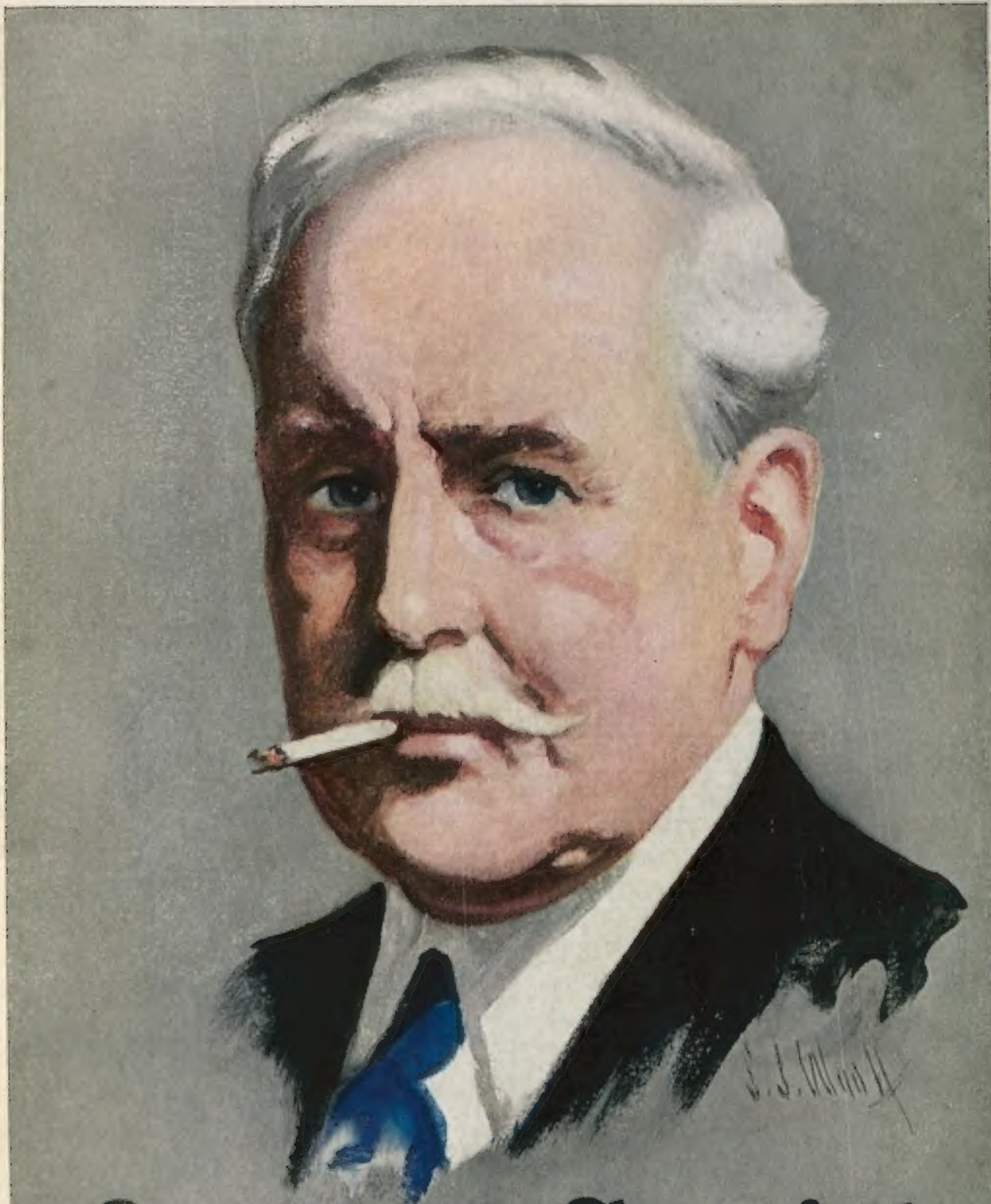
Pens-Pencils-Sets

The finest pen that Conklin makes—the ultra-pen of all time—is the Conklin Endura. It carries an unlimited guarantee of perpetual free service. The first cost is the only cost no matter how or when the pen might be broken or worn. In red, black, and mahogany—fitted with the famous Conklin "clip that can't slip" or gold ring for ribbon—$5 and $7.



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HOVIS is the ideal food for all ages. It is enriched with additional quantities of the life-giving heart of the wheat. HOVIS has a delicious flavour, too, which will please not only the children, but the whole family.

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HOVIS LTD., MACCLESFIELD

21 Jewels!

$1 DOWN

Nothing less than 21 Ruby and Sapphire jewels is good enough for the **Burlington** masterpiece.

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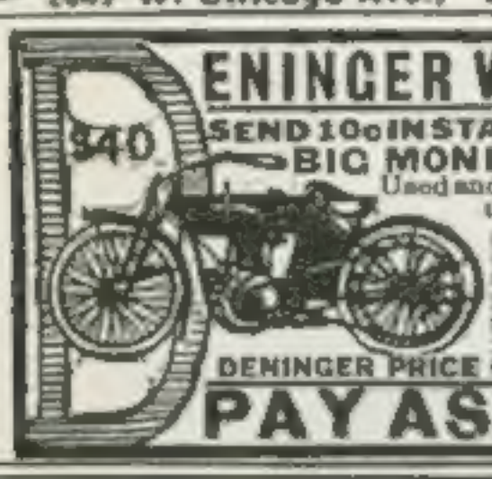

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MAKES YOUR BIKE A MOTORCYCLE!

A high grade 2½ H. P. motor attachment quickly clamped on any bike frame. Speed 4 to 40 miles an hour. 90 to 125 miles per gallon of gas. **Special Low Price Now!** Write today for Complete Description and Special Low Prices on SHAW Motor Attachments and the SHAW Complete Motorbicycle.

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RELIABLE STANDARD MAKES

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15 Berkeley St. Boston, Mass.

The up-to-date trains for up-to-date boys

IVES Trains have all the 1925 improvements. They are the *only* trains with electric locomotives (Series R) that you can stop and reverse by a touch of your finger on the control switch, located away from the track.

You boys will get a wonderful "kick" out of this reversing device—making the locomotive stop and back just like a real engineer. A mere touch of the finger does it! This year you can have an Ives Electric Reversing Locomotive on either O-gauge or 2¼-gauge track.

Both in action and appearance Ives Trains are exactly like the modern equipment of famous railroads. There is an almost endless variety of passenger and freight cars, electric target signals and semaphore signals with electrically-operated arms, bridges, tunnels, stations, and the efficient Ives Transformer. Prices range from the $1.50 mechanical train to the big complete $50 electric outfit. Sold by toy, department, electrical, hardware and sporting goods stores.

Send for the Ives Railroad Book

THE 32-page book of Ives Trains and Accessories contains illustrations in colors of the full line and tells all about the new 1925 features exclusive with Ives. Mail the coupon today with 10 cents. THE IVES MANUFACTURING CORPORATION, Dept. D1, 198 Holland Ave. Bridgeport, Conn.

IVES ELECTRIC AND MECHANICAL TRAINS

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Please mail me your 32-page railroad book. I enclose 10 cents (stamps or coin).

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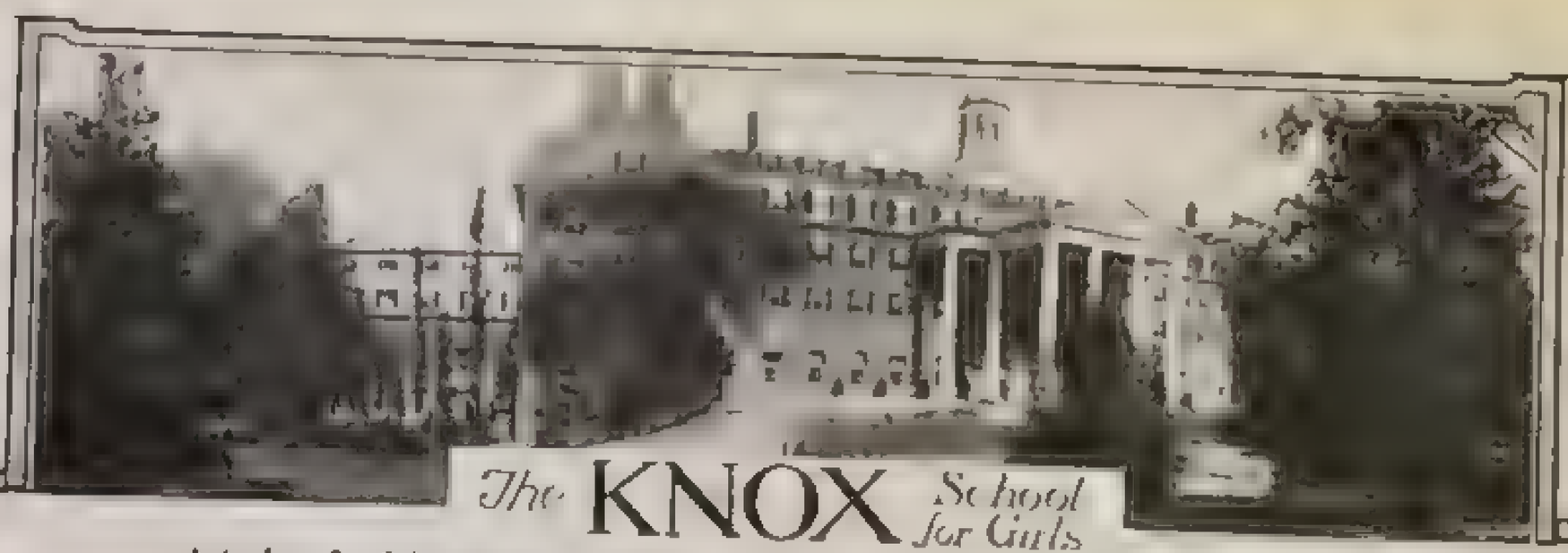

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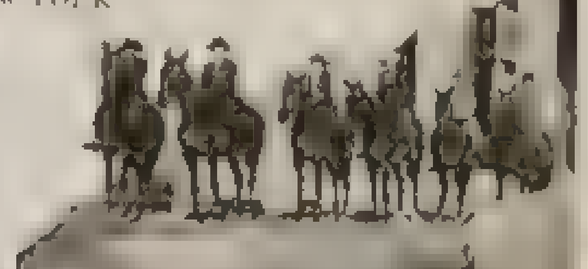

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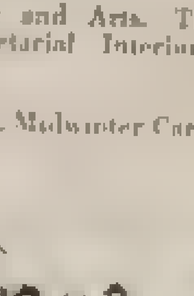

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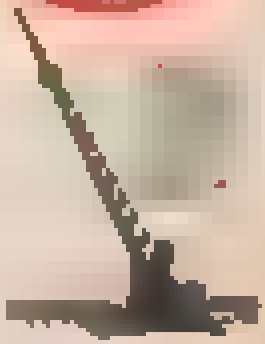
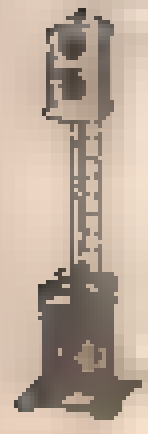
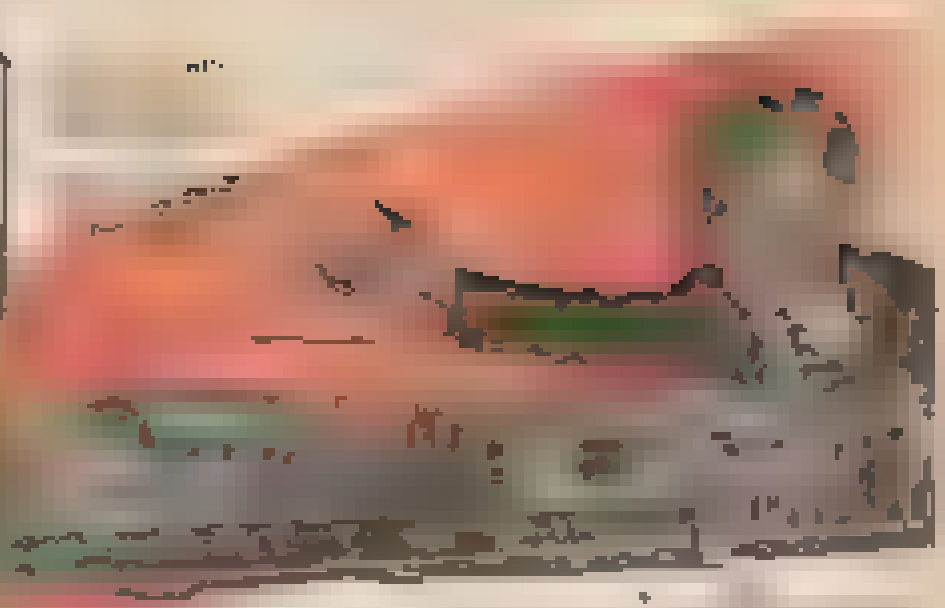


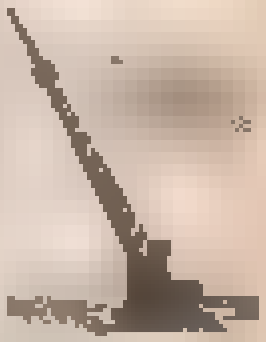


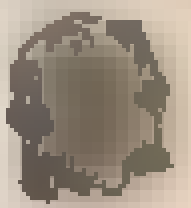
LIONEL ELECTRIC TRAINS

"MULTIVOLT" TRANSFORMERS



Model Trains and Real Trains Differ only in Size!

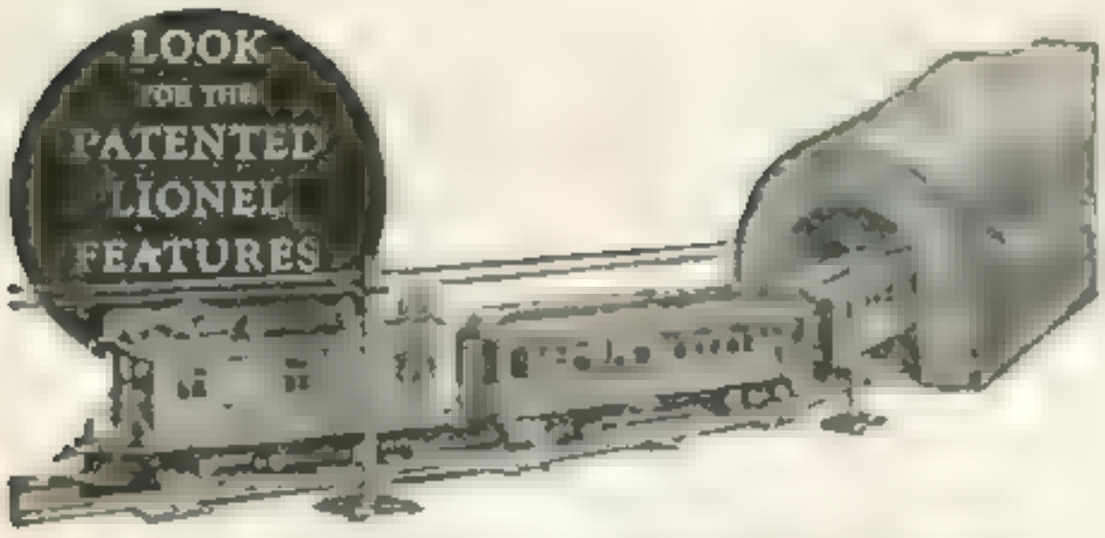




LIONEL ELECTRIC TRAINS

LIONEL RAILROAD ACCESSORIES

"LIONEL" TRANSFORMERS



LIONEL TRAINS

are Models—
not mere "Toys"

IN appearance and in operation Lionel Model Trains are just like real railroads. There is a thrill in operating them that you cannot get from any mere "toy" train. The only difference between Lionel Model Trains and real trains is the size.

For twenty-five years Lionel Model Railroads, Multivolt Transformers, and Model Railroad Accessories have held their leadership.

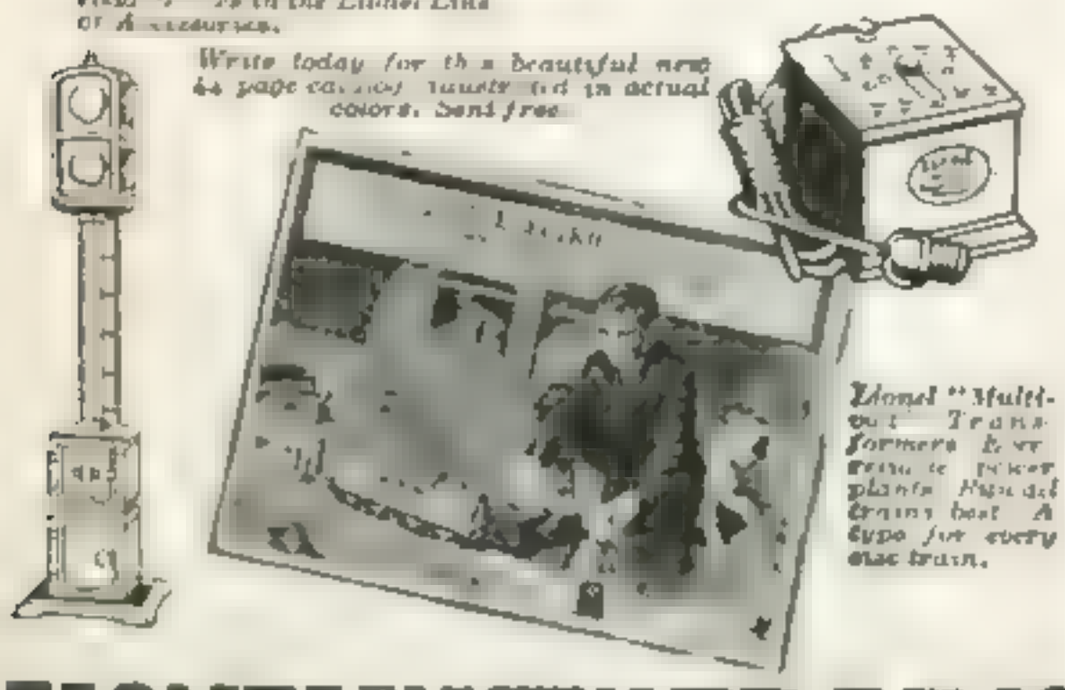
They have kept pace, year by year, with the improvements and developments of real railroads. They are up-to-the-minute and are the lowest priced consistent with quality.

Take Mother and Father with you to see the latest Lionel Locomotives, Coaches and Accessories—on display at all the best stores. There is a Lionel Outfit priced to suit every purse—complete outfits from $5.75 up.

THE LIONEL CORPORATION
Dept. D
48-52 East 21st Street New York City

Lionel Automatic Train Control—*The greatest development in model railroading since reversing. Starts and stops the locomotive entirely. Just one of the many wonderful items the railroad buys see in the Lionel Line of Accessories.*

Write today for this beautiful new 44 page catalog illustrated in actual colors. Sent free.



Lionel "Multivolt" Transformers for operating electric power plants. Hand and trains best. A type for every size train.

LIONEL ELECTRIC MODEL RAILROAD ACCESSORIES TRAINS
"MULTIVOLT" TRANSFORMERS

Here's that Odd Table You Need

Just the table for your radio set. Constructed of the best Douglas fir, thoroughly seasoned. Rigid and substantial, comes in natural wood only, ready for you to finish any desired stain or enamel. Instructions with color card for 24 standard wood finishes accompany each table. Size 31″ long; 15″ wide and 29″ high; packed in carton.

Order Today while this offer lasts.
Price $3.50 cash with order, or we will ship C. O. D. with privilege of inspection.

EXPRESS BODY CORPORATION
50 Lake Street Crystal Lake, Illinois

A SUPERIOR RADIO AT A LOW PRICE!

Premier Wonder
$34.50

Distance—Selectivity—Volume

Buy this high grade radio direct from the factory at wholesale price. All parts high grade. Wonderful tone quality. Test it yourself. The set is guaranteed. *Write for Illustrated Circular G-1*

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Solder in 2 Minutes

with REDDY HOT OUTFIT. Complete outfit sent for $2.00 prepaid. Guaranteed.
E. D. FAHLBERG MFG. CO., MADISON, WIS.

A New Store on McCall Street

MILLER & RHOADS *of* RICHMOND

MILLER AND RHOADS have just put in a McCall Pattern Department—spreading the fame of McCall Printed Patterns throughout the South. They chose McCall Printed Patterns because they wished to give their customers the most modern, accurate and reliable pattern. Like all the merchants on McCall Street, they find that women appreciate the superior style and greater ease in making which is assured by the Printed Cutting Line —exclusive with McCall.

How Miller & Rhoads Began

Messrs. L. O. Miller and W. S. Rhoads [illegible] a dry goods store on [illegible] Street, [illegible] Richmond, Va. [illegible]

The tremendous and continued demand for the McCall Printed Pattern allows us to maintain the 50% discount to dealers. There are many other advantages you should know—write for complete details

The McCall Company
236 West 37th Street
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McCALL
PRINTED PATTERNS
Patented—Perfect

There's no substitute for McCall's Printed Cutting Line

Anything as successful as the McCall Printed Pattern is bound to be imitated, but remember it's not merely printing it's *what* you print that matters and the Printed Cutting Line belongs exclusively to McCall's

GRAPHIC

WATER COOLERS

U. C.

Wood, selected white oak, golden finish, heavy galvanized steel hoops; nickel plated faucet; flanged cover with knob screwed on.

With Push Button Faucets.

Nos.	3WK	5WK	10WK	15WK
Capacity, gals.	3	5	10	15
Height over all, ins.	14½	17½	23	25½
Diam base, ins.	9	10¾	12¾	14
Wt each, lbs.	12	16	26	35
Each	$16 50	22 05	30 00	34 50

With Lever Faucets.

Nos.	20WK	25WK	30WK
Capacity, gals	20	25	30
Height over all, ins.	27¼	30	31½
Diam base, ins.	15½	16½	17⅜
Wt each, lbs.	45	48	50
Each	✦$37 80	✦40 50	✦43 50

One in crate.

STONEWARE

American reproduction of the imported Flemish stoneware coolers, and owing to the peculiar properties in the clay and our improved method of treating them, are much more durable than the original Flemish ware.

Burned exceedingly hard and glazed inside and out, light gray color with raised decorations in blue; fitted with nickel plated lever faucet fastened on inside with threaded nut and rubber washer.

Nos.	120	130	140	150	160
Capacity, gals.	2	3	4	5	6
Height over all, ins.	10½	12½	13	14	14½
Diam base, ins.	7¾	8¾	9½	10	10¼
Wt each, lbs.	10	15	19	22	25
Each	$3 96	5 10	$ 85	6 75	7 95

One in crate.

WATER COOLER COCKS

LEVER HANDLE

For Stone Water Coolers and Filters.

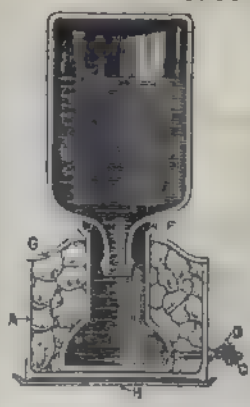
Cast brass, nickel plated threaded; with flange, locknut and 2 rubber gaskets.

	Per Doz
No. 350⅝—Size ⅝ in.	$18 75

One doz in cardboard box.

✦F. O. B. Missouri Factory Only.

WATER COOLERS



"XXTH" CENTURY

Fibre.

The body or ice container is seamless. Made of fibre moulded in one piece; absolutely water-proof and rust proof, and being a non-conductor, is a great ice saver. The cooling jar is a sanitary white crock, carafe shape. The cover of the cooler is entirely removable for icing, being in two interchangeable halves. The body rests on a tray which serves to catch any moisture collecting on the cooler body.

The push faucet is an improved form of self-closing, simple strong and reliable. It has a ½ inch flow, filling an 8 oz. glass in three seconds.

COOLERS ONLY

Price does not include bottle.

Holds 3 or 5 gallon bottle. Rests on a flat tray. For use on table or counter. Height without bottle 11½ ins; diam 14½ ins; ice capacity about 15 lbs.

	Each
No. 50FM—Mahogany finish	$32 25

One in ship carton; wt each 20 lbs.

COOLERS, STANDS AND WASTE BUCKETS

Price does not include bottle.

Holds 3 or 5 gallon bottle. Equipped with stand for office or factory use; steel drip tray, white enameled; metal bucket for waste water, etc. Height without bottle 39 ins; triangular space for stand 18 ins; ice capacity about 15 lbs.

	Each
No. 500FM—Mahogany finish	$41 25
No. 500FW—All white	43 50

One in ship carton; wt each 33 lbs.

GLASS BOTTLES

FOR "XXTH" CENTURY WATER COOLERS

	Each
No. H2B—2-gal cap; height 15½ ins; diam 7¾ ins; wt 5¾ lbs.	$2 70
No. H3B 3-gal cap, height 19 ins; diam 8½ ins; wt 7½ lbs.	3 15
No. H5B-1 5-gal cap; height 21 ins; diam 10 ins; wt 10½ lbs.	4 05
One in crate.	
No. H5B-6—Same as No. H5B-1 except sold only in crates of 6	3 30
Six in crate.	

WATER COOLERS

GALVANIZED LINED, LEVER FAUCET

Japanned body, assorted rich colors and attractive decorations. Galvanized steel reservoir, well soldered at top, bottom and sides. Walls thick and heavily insulated with sawdust. Heavy brass nickel plated faucets.

Nos.	102AL	103AL	104AL
Capacity, gals	2	3	4
Hgt. over all, ins	17	20½	21½
Diam base, ins	10¾	12	13¼
Wt each, lbs	13	23	28
Each	$6 00	6 90	8 40

Nos.	106AL	108AL	110AL
Capacity gals	6	8	10
Hgt over all, ins	24	26¼	29
Diam base, ins	14	16½	17½
Wt each, lbs	37	44	48
Each	$9 90	13 50	16 50

One in wood box.

COMPETITIVE GRADE
GALVANIZED LINED, LEVER FAUCET

Japanned body, assorted colors; white, light green and light blue.

Nos.	2L	3L	4L	6L	8L	10L
Capacity gals	2	3	4	6	8	10
Height over all, ins	17	20½	21½	24	26¼	29
Diam base, ins	10¾	12	13¼	14	16½	17½
Wt each lbs	17	19	23	32	45	51
Each	$5 70	6 60	7 95	9 75	13 50	16 20

One in wood box.

GALVANIZED LINED, PUSH BUTTON FAUCET

Pure white body, enamel finish, ornamented with gold stripes, heavy galvanized iron reservoir, walls thick and thoroughly packed; nickel plated push button faucet.

Nos.	102WP	103WP	104WP
Capacity, gals	2	3	4
Height over all, ins	17	20½	21½
Diam base, ins	10¾	12	13¼
Wt each, lbs	18	25	29
Each	$7 05	8 10	9 45

Nos.	106WP	108WP	110WP
Capacity, gals	6	8	10
Height over all, ins	24	26¼	29
Diam base, ins	14	16½	17½
Wt each, lbs	37	43	47
Each	$11 10	15 00	17 25

One in wood box.

PURE WHITE SEAMLESS PORCELAIN LINED, LEVER FAUCET

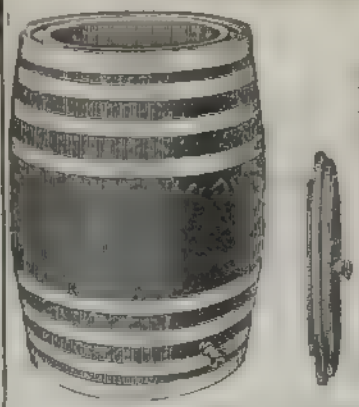
White enameled body, decorated, gold band; thick walls; solid filled; nickel plated lever faucet

Nos.	22WL	23WL	24WL
Capacity, gals	2	3	4
Height over all, ins	17⅜	22⅝	24
Diam base, ins	11	11¾	13½
Wt each, lbs	20	23	29
Each	15 00	17 25	20 55

Nos	26WL	28WL	30WL
Capacity, gals	6	8	10
Height over all ins	25½	26½	28½
Diam base, ins	14½	17	17
Wt each, lbs	43	48	50
Each	25 20	33 00	47 25

One in cardboard box.

WATER COOLERS



U. C.

Selected quarter sawed oak, thoroughly kiln-dried, finished in a beautiful golden oak. Heavy galvanized steel hoops; nickel plated faucets; flanged oak cover, with knob securely screwed on. Equipped with a non-circulating air chamber between the outer and inner casing and bottom which forms a compact insulation. This air chamber acts as a storage place for the cold air which is generated by the melting ice.

All Wood, Oak Lining. With Push Button Faucets.

Nos.	3W	5W	10W	15W
Capacity, gals	3	5	10	15
Height over all, ins	16¼	18½	23¾	27¾
Diam base, ins	11	12¾	15	16¾
Wt each, lbs	21	35	60	80
Each	$25 20	33 75	52 50	57 00

With Lever Faucets. Porcelain Lined.

Cast iron with pure white porcelain lining, or water jar.

Nos.	2½W	4W	6W	8W	12W
Capacity, gals	2	4	6	8	12
Height over all, in	13½	16¼	18½	20½	23¾
Diam base, ins	9½	11	12¾	14¾	15
Weight each, lbs	30	42	55	80	95
Each	+$40 50	+55 50	+69 30	+87 00	+105 00

One in crate.

All Wood, Oak Lining.

Nos.	20W	25W	30W
Capacity, gals	20	25	30
Height over all, ins	29½	31	32¾
Diam base, ins	18	19¾	20½
Wt each, lbs	100	115	125
Each	+$65 25	+72 60	+81 00

One in crate.

Wood, Oak Lining. With Push Button Faucets.

Galvanized steel bail and wood grip. Height does not include bail.

No.	2W
Capacity, gals	2
Height over all, ins	13½
Diam base, ins	9½
Wt each, lbs	20
Each	+$22 05

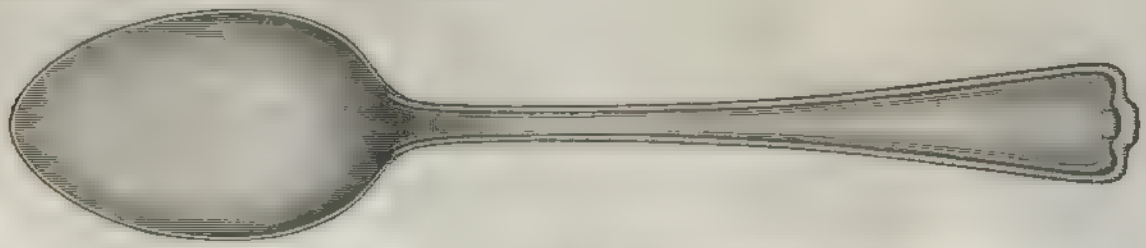
One in corrugated carton.

+F. O. B. Missouri Factory Only.

1847 ROGERS BROS. SILVERWARE

CROMWELL PATTERN—BRIGHT FINISH

This Pattern is rich in design and character rather than ornamentation. Possesses an individuality gained without the loss of simplicity and purity of outline.



SPOONS

Per Doz

No. 7901 (Old No. 47C6)—Teaspoons; length 6 ins; wt per doz about ¾ lb $13 35

No. 7902 (Old No. 47C9)—Dessert spoons; length 7 ins; wt per doz about 1¼ lbs 25 80

No. 7903 (Old No. 47C12)—Tablespoons; length 8¼ ins; wt per doz about 1¾ lbs 26 70

Half doz in box.

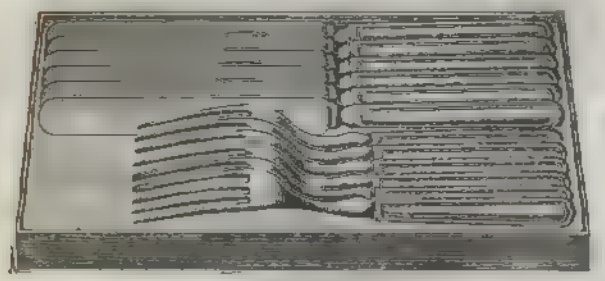
FORKS

Medium. Per Doz

No. 7905 (Old No. 47C12F)—Four tine spoon handle, length 7½ ins $26 70

Half doz in box; wt per doz about 1½ lbs.

SOLID HANDLE KNIVES AND FORKS



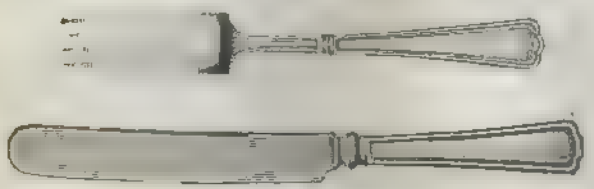
Medium.

Embossed straight blade knives, length 10 inches; four tine Jumbo embossed solid handle forks, length 7½ inches; weight per dozen pieces about 2 lbs. Per Set

No. 79481 (Old No. 154½C)—Knives and forks, in sets of six each $18 24

One set in box.

HOLLOW HANDLE KNIVES AND FORKS



Medium.

Cimeter swaged blade knives, length 10 inches; four tine forks; length 7¾ inches; weight per dozen pieces about 2 lbs. Per Set

No. 47CHKF—Knives and forks, in sets of six each $43 35

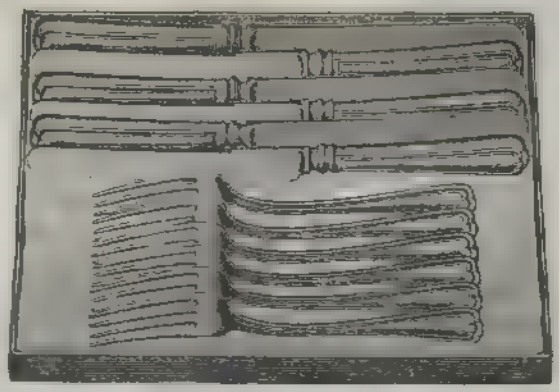
Per Doz

No. 79401 (Old No 47CHK —Knives only $43 35

No. 79416 (Old No. 47CHF, Forks only 43 35

Half doz in flannel roll.

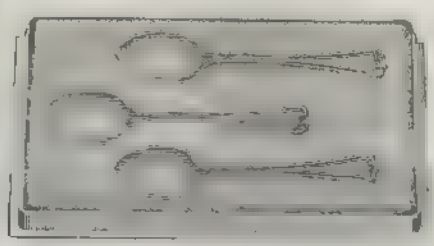
HOLLOW HANDLE KNIVES, FLAT HANDLE FORKS



Cimeter swaged blade knives, length 10 inches; four tine spoon handle forks, length 7½ inches. Per Set

No. 79421 (Old No. 158½C)—Medium knives and forks, in sets of six each $35 13

One set in box; wt per doz pieces about 2 lbs.



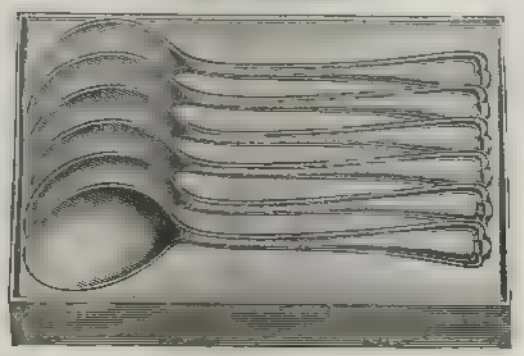
COFFEE SPOONS

Per Set of Six

No. 79008 (Old No. 624C)—Length 4¼ inches ... $6 75

Set of six in blue velvet lined box; wt per set about ½ lb.

SOUP SPOONS



Per Set of Six

No. 7904 (Old No 713C —Length 7 ins $13 35

Set of six in blue velvet lined box; wt per set about 1 lb.

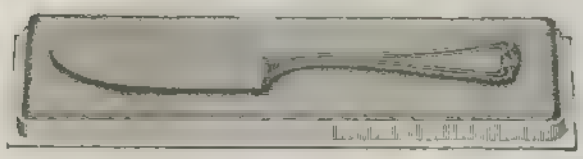
1847 ROGERS BROS. SILVERWARE
CROMWELL PATTERN—BRIGHT FINISH

SALAD FORKS

Per Set of Six

No. 79111 (Old No. 717C)—Length 6 ins..... $13 86
Set of six in blue velvet lined box; wt per set about 3/4 lb.

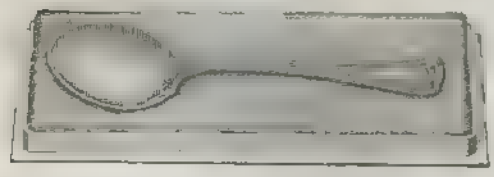
BUTTER KNIVES



Each

No. 79201 (Old No. 609C)—Length 7¼ ins..... $2 82
One in blue velvet lined box; wt each about ¼ lb.

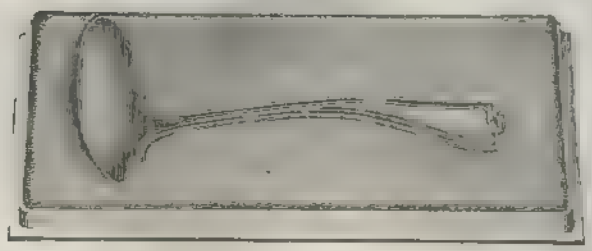
SUGAR SHELLS



Each

No. 79017 (Old No. 608C)—Length 6 ins $2 46
One in blue velvet lined box; wt each about ¼ lb.

LADLES



Each

No. 79226 (Old No. 610C)—Cream length 5¾ ins; wt each about ¼ lb $3 27
No. 79227 (Old No. 611C)—Cream length 7¼ ins; wt each about ½ lb..... 4 26
One in blue velvet lined box.

1847 ROGERS BROS. SILVERWARE
CROMWELL PATTERN—BRIGHT FINISH

BERRY SPOONS

Each

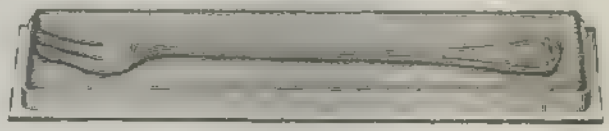
No. 79003 (Old No. 615C)—Length 9⅛ ins $5 55
One in blue velvet lined box; wt each about ¼ lb.

COLD MEAT FORKS

Each

No. 79103 (Old No. 662C)—Length 8⅛ ins..... $3 72
One in blue velvet lined box; wt each about ¼ lb.

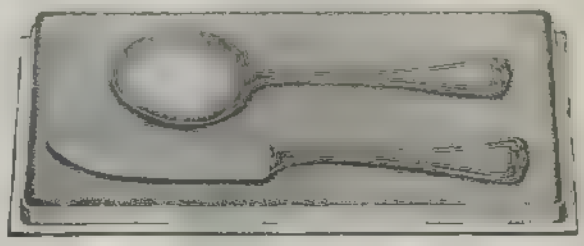
PICKLE FORKS



Each

No. 79109 (Old No. 681C)—Length 8 ins..... $3 06
One in blue velvet lined box; wt each about ¼ lb.

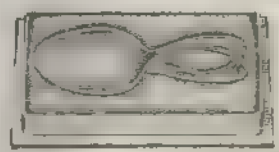
BUTTER KNIFE AND SUGAR SHELL SET



Per Set

No. 79301 (Old No. 604C)—Length sugar shell 6 ins; length butter knife 7¼ ins $5 31
One set in blue velvet lined box; wt per set ½ lb.

BABY SPOONS



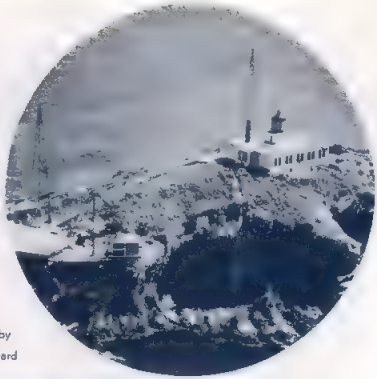
Each

No. 79001 (Old No. 725C)—Length 3½ ins..... $1 89
One in blue velvet lined box; wt per doz 1¼ lbs

CHEST ASSORTMENTS

For chest assortments in Cromwell pattern see pages 2004 to 2006.

LIGHTHOUSES



Right: Isolated Cape Spencer Lighthouse, 150 miles from a town, marks the northern entrance from the Pacific into the Inside Passages of Southeastern Alaska. It is a primary light, fog signal and radiobeacon station

Photographs by U. S. Coast Guard

Above: Ponce de Leon Lighthouse, six miles below Daytona Beach, Fla., guards the long section of coast between the lights at St. Augustine and Cape Canaveral

Below: Biloxi Light (Miss.), a cast iron tower on a brick foundation, has withstood many hurricanes. It was built originally in 1848 to guide small trading sailing vessels. In 1867 it leaned two feet out of perpendicular, but this was corrected

Left: Tillamook Rock Lighthouse, standing a mile offshore at Tillamook Head, Oregon, is one of the most exposed stations on the Pacific Coast. The protecting glass of the light, 133 feet above sea level, has been smashed several times by stones driven by great storm waves. Landing at this station is often difficult, if not impossible

Right: Jupiter Inlet Lighthouse lights the northern approach to the passage around the Florida Reefs. The station is equipped with radiobeacon and a million candlepower light. Construction, in 1860, was beset with many difficulties

Left. The skeleton iron structures of the lighthouses of the Florida Reefs between Miami and Key West are practically hurricane-proof. Six of them, similar in appearance, are located at Fowey Rocks, Carysfort Reef, Alligator Reef, Sombrero Key, American Shoal, and Sand Key. Each is manned by four keepers

AMERICAN

SAFEGUARDS OF

COASTAL NAVIGATION

Left: Split Rock Lighthouse, standing on a rocky cliff in Minnesota on Lake Superior, is one of the most frequently visited. Its incandescent oil vapor lamp, in a third order lens, produces 370,000 candlepower. The light stands 168 feet above the lake and is visible 22 miles

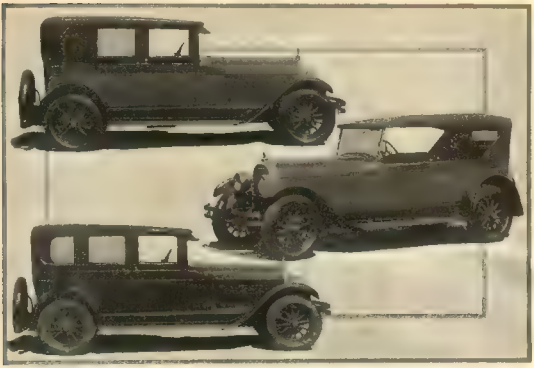
Left: Fire Island Lighthouse rises 167 feet above the low south shore of Long Island (N. Y.). This is one of the most important navigational aids to ships bound for New York Harbor. First erected in 1827, the present tower of brick was built in 1858

Right: Portland Head Lighthouse at South Portland, Me. The original station went into commission in 1791, construction having been started a year earlier by the Colony of Massachusetts. The present light is 32,000 candlepower

Extreme right: Navesink, the first primary seacoast light to be electrically lighted, overlooks New York Lower Bay from the Highlands of Navesink, N. J. Its 9,000,000 candlepower beam, visible 22 miles, is the most powerful maritime light in the U.S.

Left: Old and new lighthouses at Cape Henry, Va., marking the entrance to Chesapeake Bay. The original lighthouse (1791) was the first to be built by the Federal Government. The new tower is of cast iron plates. The old tower is not used as a lighthouse

Right: Eastern Point Lighthouse (Mass.) has guided Gloucestermen for more than a century. The present white brick tower built in 1890, replaces one built in 1832



Upper left: Locomobile junior eight brougham. Center, the touring car. Lower left, the sedan

Locomobile Now in Production on Junior Eight

ALL details of the design of the new Junior Eight exhibited by the Locomobile Co. have been settled upon and production is now under way. Changes have been made in some important particulars and will receive mention in this description. The wheelbase is 124 in. and the various body models available are as follows: The touring car lists at $1785 and the roadster at $2150. The two closed models produced are a sedan at $2185 and a brougham at $2285.

The eight-in-line engine is of the small bore, overhead valve, high speed type. It has a bore of 2 13/16 in. and a stroke of 4 in., making the piston displacement 198.8 cu. in. At a speed of 3,000 r.p.m. it develops between 66 and 70 h. p., which, in view of the moderate weight of the car gives unusual speed and acceleration.

All of the cylinders and the greater part of the crankcase are in a single casting, while the cylinder heads form two castings.

Both the inlet and exhaust valves are made of Silerome steel. The valves have a clear diameter of 1 3/16 in. (about 65 per cent of the bore) and the lift is 5/16 in. Cam followers are of the round nose type giving the same cam action as roller followers. There are two cast aluminum valve covers over the cylinder heads, which are held in place by two thumb screws each. Camshaft and accessories drive is by silent chain with the Link-Belt Co.'s patented method of automatic tensioning.

The pistons are of cast-iron and held very light. They are fitted with four ⅛ in. rings with diagonal joints, all above the piston bosses, the lower most ring being a Teetor oil control ring. The piston pins float in both the piston bosses and the top end of the rod. The connecting rods are the usual I-section drop forgings.

The crankshaft is of the inherently balanced type, consisting of a four-cylinder crankshaft in the middle and a half of a four-cylinder crankshaft at either end. Individual sections of the crank are partially counterbalanced, and torsional vibration is guarded against by the use of Lanchester vibration damper.

Fuel is carried in a 16½ gal. tank at the

rear and is fed to the carburetor by means of a Stewart vacuum tank of the larger size. The carburetor is the Stromberg, of 1½ in. diameter. A combined inlet and exhaust manifold is used of such design that the part of the inlet manifold directly above the carburetor flange is completely surrounded by an exhaust jacket.

Lubrication is by pressure from a pump located in the oil sump and driven from the camshaft through helical gearing and a vertical shaft. A feature in connection with the lubrication system is that the oil can be drained from the crankcase by pressing on the stem of a poppet type drain valve which projects through the side of the crankcase in an accessible place.

Forced Water Circulation

Pump circulation is employed for the cooling water, the centrifugal type of pump being bolted against the engine block about two-thirds the way back, is driven through the generator by means of a hose type coupling The radiator is a Fedders cellular type, with 2¼ in. core and the usual pressed steel, nickeled shell

The electrical equipment, including the generator, starter and ignition unit, is of DeJon make. The generator is mounted on the left side of the engine and has the ignition unit mounted on it. Control of generator output is by the third brush system

The clutch is of the single plate type and is contained within the flywheel. The spinning weight of this clutch is very small and this greatly facilitates gear shifting.

The transmission is a three-speed and reverse combination. All the gears which are in mesh continuously, including the constant mesh set and the reverse gears, have ground teeth. The gear case, which is of cast-iron, is bolted against a deep cross member of the frame at the front.

The rear axle is of the semi-floating, built-up type and the final drive is by spiral bevel gears. On the roadster a reduction ratio of 4 7/9 to 1 is used and on all other models a ratio of 5 1/9 to 1.

Bendix four-wheel mechanical brakes are standard equipment. These are of the three shoe type which give a servo effect, so that the application of the brakes requires comparatively little effort. For service braking all four brakes are applied by the brake pedal, while for emergency use the rear brakes alone are applied by the lever.

Semi-elliptic springs are used all around and are provided with the Mack rubber shock insulator, this constituting apparently the first application of these devices to private passenger cars. The front springs are 36½ by 2 in. and the rear springs 54½ by 2 in. The rear springs are underslung and they take both the driving thrust and the torque reaction, the so-called Hotchkiss drive being used.

The front axle is of the usual drop-forged type with inverted Elliott type steering heads. A Ross-Warner steering gear is used with a mahogany finish all wood wheel, 17 in. in diameter.

Natural Wood Wheels

Artillery type wheels are fitted, finished in the natural wood and equipped with 30 x 5.77 in. balloon tires with all weather tread.

The bodies are of the wood frame, steel shell construction and are roomy, having deep seats well inclined for comfort. A single piece fixed type of windshield is used on the closed models and a single piece movable type on the closed models.

Nordyke & Marmon announces new club phaeton.

The new Marmon five passenger Club Phaeton is available in three color options of Duco finish and is equipped with a variety of detail extras as: Complete set of khaki seat covers and top boot, nickel-plated band around the cowl in back of the hood with brackets to cowl lamps, nickel-plated windshield and windshield wiper, nickeled hardware on windshield side wings as well as nickeled rear view mirror on fenders. The Club Touring Car for seven passengers has the same specifications and both models are priced at $3,490 f.o.b. Indianapolis, Ind.

TRIPLE STITCHED BOSS MECHANIC OVERALLS

245 White Back Blue Denim

4 3½ yds. of denim to the dozen. **Triple stitched**, and made with continuous 2 button fly, and side openings to prevent rigging. All have 6 roomy pockets and 2 seam legs. Brass buttons, loops and castoffs. Good heavy pocketing, red bar tacked at all vital points. Fast color indigo blue dye, of course.

SIZE SCALE:

Open Stock—Sold in any quantity.

REGULAR SIZES Waist	32	34	36	38	40	42
	32	32	32	32	32	32
Leg	32	34	36	36	34	36

EXTRA SIZES Waist	44	46	48
	32	32	32
Leg	32	32	32

Western Assortment—1 doz. in bdl. as follows:

Waist	34	36	38	40	42
	32	32	32	32	32
Leg	32	34	34	34	34

Waist	34	36	38	40	42
Leg	32	34	36	36	36

"Boss Mechanics" Come in These Styles:

Railroad Back Overalls

8D4065—Regular Sizes. Doz **$16.50** | **8D4069**—Extra Sizes. . Doz **$18.00**

Suspender Back Overalls

8D4066—Regular sizes . Doz **$16.50**

Coat to Match

8D4067 30 in. long, 4 pockets. Sizes 30 to 44. Assrtd. sizes 1 doz. in bdl. or open stock in any quantity. Doz **$16.50**

Boys' Overalls

Tapered shoulder straps, creased and stitched, 5 pockets (2 front swingin', 2 hip, 1 watch and pencil). Solid sizes. ½ doz. in bdl.

Size	Doz.
8D4101-4—4	$6.75
8D4101-5—5	9.12½
8D4101-6—6	9.50
8D4101-7—7	9.87½
8D4101-8—8	10.25
8D4101-9—9	10.62½
8D4101-10—10	$11.00
8D4101-11—11	11.37½
8D4101-12—12	11.75
8D4101-13—13	12.12½
8D4101-14—14	12.50
8D4101-15—15	12.87½

Junior Overalls

8D4076—Detachable suspender back, 5 pockets (2 front swingin', 2 hip 1 watch and pencil). Assrtd. sizes 1 doz. in bdl. or open stock in any quantity. SPECIFY SIZES.

Waist	26	27	28	29	30	31
Leg	26	26	27	28	29	30
	27	27	28	28	30	31
Approx. ages	11	12	13	14	15	16

Doz **$14.25**

BOYS' OVERALLS

Note that some numbers come in solid sizes, thus enabling you to fill in any sizes desired.

Apron Style

"Stifel" Longcloth—Apron style buttoned fly and side openings. 1 Front and 1 hip pocket, tapered stitched shoulder straps, reinforced buckle tabs, stitch & stitched seams. Assrtd. sizes 2 to 15. 1 doz. in pkg.

8D4200—Wabash stripe.

8D4146 Solid blue denim pattern.

Doz **$4.50**

"Stifel" Drill

325 Wt. "Stifel" Drill—Wabash stripe, apron style, button stayed fly, stayed side openings, front patch pockets, taped shoulder straps, cantcha. 1 doz. in bdl

8D5149—Assrtd. sizes 4 to 9 . . . . . Doz **$5.25**

2 Pockets

Cone's 330 Wt. Indigo Blue Denim "Apron style, 2 pockets, open sides, 2 seam triple stitched, riveted, tapered shoulder straps, cantcha. 1 doz. in pkg

8D4130—Assrtd. sizes 4 to 10 yrs . . . Doz **$6.00**

260 Blue Denim

260 Wt. Double & Twist Denim—Indigo blue, apron style, 3 button fly, yoke, side openings, 2 front patch pockets, creased and stitched tapered shoulder straps, double stitched felled seams, spring cantcha. Full sizes. 1 doz. to pkg

8D4094—Assrtd. sizes 4 to 9 yrs Doz **$7.50**

8D4096—Assrtd. sizes 10 to 18 yrs . . . Doz **$8.75**

3 Yard Blue Denim Reinforced Front

Cone's 3 yd. Indigo Blue Denim —Double seat and reinforced front, 2 front patch pockets, 3 hip pockets, bar tacked, creased and stitched tapered, 4 way cut straps, triple stitched side seams, 2 seam triple stitched, full size. 1 doz. in pkg.

8D4124—Assrtd sizes 4 to 8 yrs Doz **$8.50**

8D4125—Assrtd sizes 9 to 12 yrs Doz **$9.65**

Sewed-on Bib

245 Wt. White Back Indigo Blue Denim—Sewed-on bib, 2 buttons fly, 2 front swingin' 1 combination bib and 1 hip pocket, tapered shoulder straps, creased and stitched, double stitched felled seams, brass trim. Clean workmanship. Big roomy overalls that we guarantee will satisfy the boys of the ages stated. Assrtd. 1 doz. in pkg.

8D4070—Assrtd. sizes 4 to 8 yrs. Doz **$8.25**

8D4071 — Assrtd. sizes 9 to 12 yrs. Doz **$9.00**

8D4072—Assrtd. sizes 13 to 16 yrs. Doz **$10.50**

220 Blue Denim

220 White Back Blue Denim—Sewed-on bib, 2 button fly, bar tacked side openings, 5 pockets (2 front swingin' 2 patch, hip and 1 watch pocket on bib), elastic suspender back, 2 seam triple stitched seams, brass trim throughout. Full size. Solid sizes. ½ doz. to pkg

	Age	Doz.
8D4163-4	4	$6.00
8D4163-5	5	6.25
8D4163-6	6	6.50
8D4163-7	7	8.75
8D4163-8	8	10.00
8D4163-9	9	10.25
8D4163-10	10	10.50
8D4163-11	11	10.75
8D4163-12	12	11.00
8D4163-13	13	11.25
8D4163-14	14	11.50
8D4163-15	15	11.75

"Boss Mechanic"

245 Wt. White Back Blue Denim—Sewed-on bib, continuous facing on side openings and fly, 6 pockets (2 front swingers, 2 hip, 1 watch & pencil) tapered shoulder straps, creased and stitched, 2 seam lin. triple stitched felled seams, sliding brass strap and cantcha, brass buttons. Solid sizes. ½ doz. in bdl

	Age	Doz.
8D4101-4	4	$6.75
8D4101-5	5	9.12½
8D4101-6	6	9.50
8D4101-7	7	9.87½
8D4101-8	8	10.25
8D4101-9	9	10.62½
8D4101-10	10	11.00
8D4101-11	11	11.37½
8D4101-12	12	11.75
8D4101-13	13	12.12½
8D4101-14	14	12.50
8D4101-15	15	12.87½

BOYS' WORK SHIRTS

All have double stitched sloped shoulders, curved armholes, open cuffs and pockets

"BIG YANK" JR.
8D151I—Doz $7.62½
See Page 79.

OVERALLS

Standard construction, standard material and full standard sizes. Notice that several numbers are TRIPLE STITCHED now that formerly were double stitched

SIZE SCALE

WESTERN ASSORTMENT 1 doz. in bdl.
Best selling size combinations, 1 doz. as follows

Waist, except where otherwise stated	34	36	38	40	42	
Leg,	32	32	32	32	32	
	34	34	34	34	34	

OPEN STOCK Sold in any quantity
Your choice of the following waist and leg lengths

Waist, except where otherwise stated	34	36	38	40	42	
Leg,	32	32	32	32	32	
	34	34	34	34	34	

Hunter's 280 Blue Denim, Double and Twist

High Railroad Back

Leg —1 seam
Pockets —5 (3 front swinging, 1 hip, 1 combination bib pocket, 1 rule)
Seams —Double stitched throughout.
Side Openings—Bar tacked.
Apron —Sewed-on
Fly —3 button, bar tacked.
Buttons —Brass.
Sizes —34 to 42 waist, 31 to 33 leg.
Packing —1 doz. in bdl. Assrtd. sizes.

SD4133 ..... Doz **$10,25**

Coat To Match

Sizes —36 to 44
Packing —1 doz. in bdl. (1 size 36, 3 size 38, 3 size 40 3 size 42 and 2 size 44)

SD4134 Doz **$10,25**

Triple Stitched Leg and Bib Seams

325 Stifel Blue Drill

High Railroad Back

Leg —1 seam
Pockets —6, 2 front swinging, 2 hip (bar tacked) 1 rule, 1 watch and pencil
Seams —Triple stitched leg and bib seams, all other seams double stitched.
Side Openings—Faced, bar tacked.
Apron —Sewed on, reinforced band.
Fly —3 button stayed.
Sizes —34 to 42 waist, 32 to 36 leg.
Packing —Western asst. 1 doz. in bdl. or open stock in any quantity.

SD5123 — ..... Doz **$12,00**

Coat to Match

Sizes —36 to 44.
Packing —Assrtd. sizes 1 doz. in bdl or open stock in any quantity.

SD5126— ..... Doz **$12,00**

SD5062—Youths' overalls, 8 pockets. Assrtd. sizes 26 to 32 1 doz. in pkg . Doz **$10.50**

Triple Stitched Leg and Bib Seams

260 Blue Denim, Double and Twist

High Railroad Back

Leg —1 seam
Pockets —6; 2 front swinging, 2 hip (bar tacked), 1 rule 1 watch and pencil
Seams —Triple stitched leg and bib seams all other seams double stitched
Side Openings—Faced, bar tacked.
Apron —Sewed on, reinforced band.
Fly —3 button stayed.
Sizes —34 to 42 waist, 32 and 34 leg.
Packing —Western asst. 1 doz. in bdl or open stock in any quantity.

SD5005 — ..... Doz **$12,50**

Coat to Match

Sizes —36 to 44.
Packing —Assrtd sizes. 1 doz. in bdl. or open stock in any quantity.

SD5006 — ..... Doz **$12,50**

SD4008

325 Khaki Drill

High Railroad Back

Leg —1 seam
Pockets —6, 2 front swinging, 2 hip, 1 rule, 1 watch and pencil
Seams —Triple stitched leg and bib seams, all other seams double stitched.
Side Openings—Stayed
Apron —Sewed on
Fly —3 button.
Buttons —Brass
Sizes —34 to 42 waist, 32 and 34 leg.
Packing —1 doz. in bdl. Assrtd sizes.

SD4008 — ..... Doz **$12,00**

Painters' Overalls, 285 White Drill

High railroad back, strap for brush, 5 pockets Sizes 34 to 42 waist. 32 and 34 leg. 1 doz. to bdl

SD4038 Doz **$12,00**

220 White Back Blue Denim

High Railroad Back

Leg —2 seam
Pockets —6; 2 front swinging 2 large bp. 1 rule 1 watch and pencil
Seams —Double stitched and felled, bar tacked
Side Openings—Faced
Apron —Sewed on, double stitched, reinforced band
Fly —3 button stayed
Trimmings—Brass buttons, loops and cuticle
Sizes —34 to 42 waist 30 and 34 leg
Packing —1 doz. in bdl., solid or assrtd sizes.

SD4057 Doz **$15,00**

Coat to Match

Sizes —36 to 44
Packing —Assrtd. sizes 1 doz. in bdl., or open stock in any quantity.

SD4059 ..... Doz **$15,00**

Khaki Coveralls, 3 Yd. Wt.

Leg —1 seam
Pockets —6; 3 front swinging, 1 on bib, 1 large sewed-on hip pocket, 1 rule pocket
Seams —Triple stitched where strain is greatest, other seams double stitched, strongly sewed, roomy
Side Openings—Stayed.
Cuffs —Open
Sizes —36 to 44 in. chest.
Packing —Sold in any quantity, solid sizes or your own assrt. of sizes.

SD4000 — Doz **$18,00**

"BOSS MECHANIC"

Extra Roomy

"Boss Mechanic" Coveralls

250 Khaki Twill

Leg —2 seam
Pockets —7, 5 front swinging 2 on bib 2 hip, 1 rule
Seams —Triple stitched where strain is greatest, other seams double stitched
Fly —Full covered, 3 button Prevents buttons catching in machinery
Sleeve Openings—1 button, continuous faced
Shoulders—Sloped, curved armholes.
Buttons —Brass
Sizes —36 to 46 in. chest.
Packing —One regular assl. 1 doz. in bdl., or open stock in any quantity

SD4991 Doz **$28,50**

YOUTHS' AND BOYS' KHAKI COMBINATION SUITS

3 Yd. Wt. Khaki

Leg—1 seam.
Pockets—4, 2 front swinging, 1 on bib, 1 large sewed-on hip pocket.
Seams—Strongly sewed, roomy dimensions.
Side Openings—Stayed
Fly—Covered.
Cuffs—Open
Sizes—Solid or your assr.
Packing—½ doz. in bdl.

YOUTHS'

SD4043—Sizes 26 to 31. Triple stitched where strain is greatest.
Doz. **16.00**

BOYS'

Double stitched felled seams.

SD4064-4	Size 4	Doz	$10.75
SD4064-5	" 5	"	10.85
SD4064-6	" 6	"	10.95
SD4064-7	" 7	"	11.05
SD4064-8	" 8	"	11.15
SD4064-9	" 9	"	11.25
SD4064-10	" 10	"	11.35
SD4064-11	" 11	"	11.45
SD4064-12	" 12	"	11.55
SD4064-13	" 13	"	11.65
SD4064-14	" 14	"	11.75
SD4064-15	" 15	"	11.85
SD4064-16	" 16	"	11.95

Century BICYCLES

With the Best of Standard Equipment

You can sell more bicycles when you push this strong "Century" line. Look it over. We carry stock for you. Moreover, we ship within 24 hours from receipt of order. Think how that helps you to turn your stock.

Construction of all "Centurys"

Seven reasons why "Century" Bicycles are so easy to sell and are trouble-proof:

Frame—20 gauge seamless tubing.

Joints—Flush reinforced fishtail.

Crank Hanger—Drop forged, 1 piece.

Sprocket—Special design, machined and polished.

Spokes—Standard Co's best.

Chain—Roller, ½ in. pitch, easy riding.

Cups and Cones—Lathe turned from solid bar, polished.

Guarantee

Every part is guaranteed for 12 months from date of purchase against defects in workmanship or materials. Any parts will be replaced without charge when sent direct to us, transportation charges prepaid. Returns must come through the merchant not the rider. We make no allowance for repairs made locally. Tires are guaranteed for the season in which they are purchased. Tires are not guaranteed against punctures or blowouts.

"SCOUT" MODEL

Finished in a rich blue with a white outlined spearhead. 1 in crate.

BOYS'

1K1465—17 in. at seat post, 5½ in. crank hanger, 26 in. U. S. red Stud tires, Troxel's Strut saddle. Fits 24 in. inseam measurement. Each **$26.00**

5 or more, Each **24.50**

➡10 or more, F. O. B. Fact. in Northern Ill., Each **$23.00**

YOUTHS'

1K1463—19 in. at seat post, 7 in. crank hanger, 26 in. U. S. chain tires. Troxel's Top Notch saddle, fits 27 in. inseam measurement and larger. Each **$26.75**

5 or more, Each **25.25**

➡10 or more, F. O. B. Fact. in Northern Ill., Each **$23.75**

GIRLS'

1K1467—17 in. frame, Troxel's saddle, 26 in. U. S. Red Stud tires, cord seating and mud guard but no chain guard. Each **$26.40**

3 or more, Each **24.90**

➡10 or more, F. O. B. Fact. in Northern Ill., Each **$23.40**

WOMEN'S

1K1462—26 in. frame, Troxel's comfort saddle, U. S. chain tires. Complete with chain guard and mud guard with lacing. Each **$30.00**

5 or more, Each **28.50**

➡10 or more, F. O. B. Fact. in Northern Ill., Each **$27.00**

Quantity prices apply on all orders for specified quantities—one model or assrtd. models

Equipment of all "Centurys"

Equipment plays a big part in selecting a bicycle. "Century" bicycles have the best of standard equipment.

Coaster Brake—"New Departure."

Front Hub—"New Departure."

Tires—
Adult—U. S. Giant Chain.
Juvenile—U. S. Red Stud.

Mud Guards—All models fitted with deep side motorcycle type.

Saddle—"Troxel."

Handle Bars—"Kelly" triple plated, motorcycle rubber grips.

Pedals—Ball bearing, rubber tread.

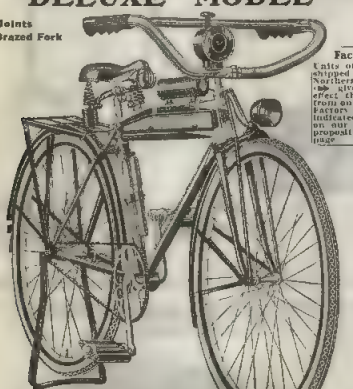
Stand—Channel iron, latches to mud guard.

Finish

The famous "Century" finish is obtained from anti-rust and primary coats hand rubbed and sanded and then finished with deep rich enamels applied with air brush and then oven-baked to a hard china-like surface. Steel braced enameled mudguards match the color schemes of the frame

"DELUXE" MODEL

Flush Joints
Solid Brazed Fork



Note these special features on this bike only: Braced handle bars, electric lamp, luggage carrier, autotone horn and large frame tank.

Factory Shipments

Units of 10 bicycles will be shipped F. O. B. Factory in Northern Illinois. Our prices ➡ give you every saving we effect through direct service from our factory. Factory shipment purchases indicated by ➡ do not apply on our "Free Deal" bicycle proposition listed on nearby page.

For men and youths motorbike frame with steel tank, shock-proof, double brazed fork, 26 in. U. S. cable brake, white trim finish, braced motorbike handle bars with rubber grips, deep side guards, enameled to match frame, leather splasher, "Troxel" No. 2 motorbike saddle, leather upholstered, double coil springs, channel iron stand, folding and latching pedal bearing pedals, rubber tread.

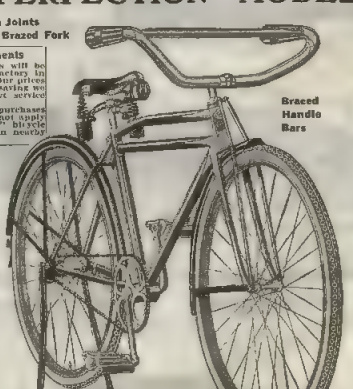
Style	Frame	Tires	Each	5 or more Each	10 or more Each
1K1472—MEN'S	21 in.	U. S. "Giant Chain"	$33.50	$32.00	➡$29.90
1K1476—YOUTHS'	19 in.	U. S. "Giant Chain"	33.50	32.00	➡$29.90
1K1473—MEN'S	21 in.	U. S. Clincher	36.00	34.50	➡$32.50

➡Shipped F. O. B. Factory in Northern Ill.

Above quantity prices apply on all orders for specified quantities—one model or assrtd. models.

"PERFECTION" MODEL

Flush Joints
Solid Brazed Fork



Braced Handle Bars

Finished in a beautiful cherry red with white head and trim. "Perfection" is the one word that fits this model exactly.

For men, double brazed truss fork, 20 in. double bar motorbike frame, 26 in. U. S. Giant chain tires, braced motorbike handle bars, rubber grips, deep side guards to match frame, Troxel No. 2 motorbike saddle, upholstered leather, double coil springs, channel iron stand, folding and latching, ball-bearing pedals, rubber tread. 1 in. Crako.

1K1470—U. S. Tire Co's giant chain tires.

Each **$29.25** 5 or more, Each **$27.75**

➡10 or more, shipped F. O. B. Factory in Northern Ill. ..... Each **$26.50**

FREE SAMPLE AND WHY

Our Proposition

Your order for a sample of this "DeLuxe" Century Motorbike will be recorded on our books as due November 1st, 1925. If by that date you have purchased 10 other bicycles from our regular "Century" line and paid for them according to our regular terms, we will send you a credit memorandum for the amount of the original sample.

Show the FREE SAMPLE BICYCLE In This 4 FOOT Square

Factory shipment purchases from our regular line do NOT apply on this free sample proposition.

1 in Crate

1K1472—$33.50 EACH

The "DeLuxe" Motorbike

Men's size 20 in. high at seat post. Golden brown finish with white pearshaped edged in black. Drop bar motorbike frame with tool case between, extra heavy truss fork construction. "Dahl" electric lamp, auto type hand horn and telescope pump. Luggage carrier over rear mudguard.

Construction

Frame—20 gauge seamless tubing
Joints—Flush brazed lugs
Crank Hanger—Drop forged 1 piece
Sprocket—Spider type, machine polished
Spokes—Standard 14 g. bent
Chain—Roller, 16 pitch, sure riding
Cups and Cones—Ratchet-thread from solid bar, polished
Coaster Brake—New Departure
Front Hub—New Departure
Tires
Adults—U. S. Chain
Juvenile—U. S. Red Stud.
Saddle—Troxel
Handle Bars—Kelly triple plated, motorcycle rubber grips
Pedal—Ball-bearing rubber tread
Stand—Channel iron, latches to mudguard.

Our Guarantee

Every part is guaranteed, except tires, for 12 months from date of purchase, against defects in workmanship or materials. Any parts will be replaced without charge when sent direct to us, transportation charges prepaid. Returns must come through the merchant, not the rider. We make no allowance for repairs made locally. Tires are guaranteed for the season in which they are purchased. Tires not guaranteed against punctures or blowouts.

BICYCLE SUNDRIES

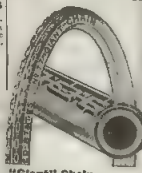
NEW CUSHION TREAD "ORINOCO" TIRES

3 layers of ply fabric with moulded tread stock, each stud moulded on. Tread white side walls. Fully guaranteed.

Single Tube—
1K970 28 in. Each
1K971 26 in. $1.27
1K972 24 in.

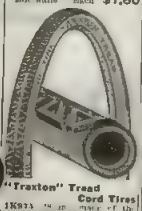
Clincher Casing—
1K976 28 in. Each $1.95

U. S. RUBBER CO'S TIRES



"Giant" Chain Single Tube

1K974—28 in. 3 ply automobile tire tread stock, black tread. Giant Chain tread design with white side walls. Each $1.60



"Traxton" Tread Cord Tires

1K973 28 in. size of the same make as the automobile cord tire, black tread with white walls. Each $1.82½

"BULL DOG" GUARANTEED TIRE TAPE

Packed in a Ribo counter display box that will multiply your sales considerably.

"Bull Dog" 45 in. fabric coated with backing adhesive rubber compound guaranteed to keep 12 months. Each in Ribo box.

1K1015—1 oz. roll. To sell for 5c per roll. 82 rolls in carton.
CARTON 82 rolls 90c

1K1016—2 oz. roll. To sell for 10c per roll. 18 rolls in carton.
CARTON 18 rolls 90c

"3 IN 1" OIL

1K1001 1 oz. bottle. Neatly boxed and very convenient for home use. Each
1K1006 2 doz. in bag. Doz. $1.20
1K1005 1 gal. in box. Doz. $2.40

"NEVERLEAK" TIRE FLUID

1K1065—4 oz. bottle. By injecting this fluid through the valve it seals punctures and prevents leakage. Makes tire safe. It can't injure the tube. Each or 12 in carton Doz. $1.76

"SAMSON" BRASS TIRE PLUG

1K1105—The standard puncture repair. Solid head. Assorted sizes. Doz. 35c

"HOLD FAST" RIM SHELLAC

1K1093 2 oz. can with brush. Best quality. Tried and proved by the most famous Speedway racers. Each
1K1094 1 lb. can. Each $1.40
Doz. $1.40

BICYCLE PEDAL

1K1004—Rubber pedal, drop spindle type, with machined rims, solid rubber cushions. Packed in box. Per pair 85c

"NEW DEPARTURE" CYCLOMETER

1K1102—Nickel plated brass case. Each 75c
Each of the accurately registers mileage. 1 in box

"NEW DEPARTURE" BELL

1K1116—2 in. nickeled, ball-bearing. 1 doz. in box. Doz. $2.10

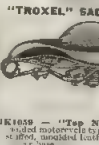
"SEISS" AUTO TYPE HAND HORN

1K1128 Large size auto horn with 6 in. brass bell. Each 65c

HANDLE BAR GRIP

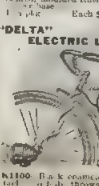
1K1011 Smooth rubber type heavy red rubber corrugated grip. ½ doz. pairs in carton. Doz. pairs $2.00

"TROXEL" SADDLE



1K1059 — "Top Notch" molded motorcycle type, full stuffed, moulded leather cap, coil base. Each $1.25

"DELTA" ELECTRIC LAMP

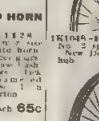


1K1100 Black enameled steel reflector throws white beam of light. Has rear reflector with mounting quickly, case with switch and wire. 1 in carton Each $1.40

REPLACEMENT WHEELS

Striped aluminum finish rock elm rim. 1 in pkg.

1K1045—Front wheel, 28 in. No 2 spoke, nickel spokes. New Departure hub. Each $2.75



1K1050—Rear wheel, 28x1¾ in., 9 tooth hub with "New Departure" coaster brake. Each $6.50

TOOL KIT

1K1117—Leather wallet containing wrench, rider, screwdriver, repair kit. 7 in. Per carton 85c

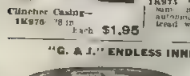
ROLLER CHAINS

1K1065—1/2 x 1/8 inch, smooth running and durable. 60 in. long. 1 in pkg. Each $1.20

HANDLE BAR LUGGAGE CARRIER

1K1048—13 in. long, 8 in. wide, 5 in. deep, polished wire steel braces, leather straps. 1 in pkg. Each 60c

"G. & J." ENDLESS INNER TUBE



For use with clincher casings.
1K1020 End less inner tube. Each Per dozen, extra heavy in box. Each 55c

TELESCOPE PUMP

1K1078—8 in. long, nickel plated brass case with wood handle. Screw attachment for valve. Each 40c

"DUTCH BRAND" CEMENTS

Nationally Advertised

Rubber Patch Cement, 1 oz. in collapsible metal tubes, screw cap.
1K1140 1 doz. tubes in box. Doz. tubes 42c

Rim Cement—8 oz. bottle with swab, good for either wood or metal rims.
1K1143 1 doz. in box. Doz. 90c

John V. Farwell Company
CHICAGO

COMMUNITY PLATE

PATRICIAN DESIGN

SPOONS Sixes Box	Per Doz.
6662 Tea	$ 9.00
6663 Dessert	14.40
6665 Table	18.00
6668 Set [illegible]	18.00

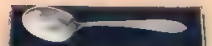
FORKS Sixes Box	
6661 Dessert	$ 8.00
6667 Dessert	[illegible]

(*Bright Finish*)

KNIVES (PLATED BLADES)	Per Doz.
6611 Hollow Handle Dinner	$27.00
6612 Hollow Handle Dessert	26.40
6613 Modeled Handle Dinner	18.00
6616 Modeled Handle Dessert	17.68

KNIVES (STAINLESS BLADES)	Per Doz.
6664 Hollow Handle Dinner	$24.48
6665 H. H. Dinner De Luxe	27.36
6626 Hollow Handle Dessert	28.32
6594 Modeled Handle Dinner	[illegible]

COMMUNITY PLATE



6650 Sugar Spoon 56

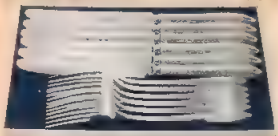
6695 Butter Knife . . . . . *each* $1 56
6729 Butter Knife and Sugar Spoon . . *set* 3.12

6641 Orange or Grapefruit Spoons *set* $6.88
For oranges, grapefruit and melons

6617 Serving or Gravy Ladle $4 13
6715 Salad Dressing or Small Ladle 2 50

STAINLESS CARVING SETS

6728 2 Piece Hollow Handle . . . . . $6 [illegible]
6730 2 Piece Master Handle . . . . . 7 [illegible]
6732 3 Piece Hollow Handle . . . . . 9 [illegible]



KNIFE AND FORK SETS
With Plated Blade Knives

		Per set
6742	Hollow Handle Dinner Knife and Fork	$22.00
6743	Hollow Handle Dessert Knife and Fork	7.04
6690	Modified Hollow Dinner Knife and Fork	16.50
6	Modified Hollow Dessert Knife and Fork	5.50

With Stainless Blade Knives

6568	Hollow Handle Dinner Knives and Forks	$23.74
6569	Hollow Handle Dessert Knives and Forks	25.06
6572	Modified Handle Dinner Knives and Forks	19.30
6574	Hollow Handle Fruit Knives	[illegible]
6576	Modified Handle Fruit Knives	8.84

MISCELLANEOUS

6629	Iced Tea or Iced Drink Spoons	*set*	$7.50
6632	Ice Cream or Sherbet Forks	*set*	7.50
6660	Individual Pie Forks	*set*	10.00
6657	Ice Cream or Sundae Spoons	*set*	6.88
6621	Pierced Bon Bon Spoon	*each*	2.82
6636	Relish or Chutney Spoon	*each*	1.88
6661	Lemon or Relish Fork	*each*	1.24
6690	Cake or Pastry Serving Fork	*each*	3.12
6710	Hollow Handle Pie or Ice Cream Server	*each*	5.00
6815	Hollow Handle Cheese Server	*each*	3.12
6708	Sugar Tongs	*each*	1.88
6484	Pierced Pastry Server	*each*	5.00

6691 Individual Butter Spreaders . . *set* $7.50
Extra width

6688 Individual Salad or Pastry Forks . . 8.76

6667 Cold Meat or Steak Fork $3.82
6668 Individual Cold Meat or Steak Fork . . *each* 2.18

6620 Berry or Serving Spoon . . . . . *each* $4.09
6647 Small Berry or Preserve Spoon 3.12

CHEST TRAYS (Open)

Plated Knives

		Each
6584	With Hollow Handle Dinner Knives	$ 42
6585	With Hollow Handle Dessert Knives	36
6586	With Modified Handle Dinner Knives	34
6587	With Modified Handle Dessert Knives	28

Stainless Knives

6579	With Hollow Handle Dinner Knives	$40.36
6583	With Detachable Hollow Handle Knives	42.00
6687	With Hollow Handle Dessert Knives	39.68
6577	With Modified Handle Dinner Knives	35.92

MISCELLANEOUS

6635	After Dinner Coffee Spoons	*each*	$1 65
6601	Sherbet or Five o'Clock Teaspoon	*each*	1 38
6683	Jam or Conserve Spoon	*each*	1 [illegible]
6623	Jelly Server	*each*	1 88
6646	Pickle or Olive Fork	*each*	1 88
6625	Olive or Salted Nut Spoon	*each*	2 38
6690	Pierced Round Server	*each*	[illegible]
6679	Oyster or Seafood Forks	*each*	1 [illegible]
6627	Bouillon or Consomme Spoons	*each*	[illegible]
6637	Bar Spoon	*each*	1 [illegible]
6638	Bar Spoon	*each*	2 [illegible]
6735	Child's Set (*with Hollow Handle Knife*)	*set*	2 [illegible]
6737	Child's Set (*with Flat Handle Knife*)	*set*	1 [illegible]

CORRECT SERVICE PIECES

Gasoline

"The World's Best Visible"
—S. B. BECHTEL
HERE is Bowser's masterpiece—the "Square Visible," worthy to share in the fame and prestige of "Square Sentry," the sturdy piston-type pump so highly regarded by service stations and garages the world over.
22% faster—square to the eye—square to the pocketbook—and a real attention-getter and trade-holder, because of the arrow that tells the motorist where the gas goes when it rushes out of the visible bowl. This new, and patented, feature makes "Square Visible" the best business-getter among all visible pumps today—Bowser says so, and Bowser knows.
Write today for pictures and detailed descriptions. "Square Visible" is Bowser-built throughout—dependable, sturdy and good looking. Write for these new folders, or ask any Bowser man—there are 300 of them ready to help you sell more gas and oil!
S.F. BOWSER & COMPANY, Inc.
Dependable Pumps and Tanks
FORT WAYNE, INDIANA, U.S.A.
Sales and Service Representatives All Over The World

There's Profit In Phonographs

—and you can sell "Grand Opera" Phonographs without investing a dollar in stock!

SEE OUR OFFER BELOW

Grand Opera

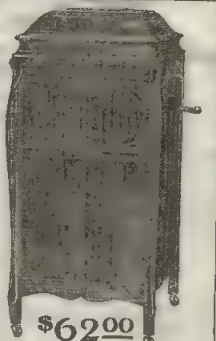
$60.00

1F4806—Mahogany.
1F4807—Walnut.

Genuine mahogany or walnut 5 ply veneer hand rubbed polish piano hinged cover, 3 ply wood tone chamber with cast iron back tone reproducer as used on phonographs selling at much higher prices. Universal three-back tone arm—plays all records without extra attachments. Highest grade tapered worm gear motor plays four 10 inch records with one winding. Nickel plated fittings, tone modifier speed control and indicator brake, automatic stop.

FREE SAMPLE

You get either of these two new models absolutely FREE with our Sample Plan as described below.



$62.00

1F4711—Mahogany.
1F4714—Walnut.

Genuine mahogany or walnut 5 ply veneer hand rubbed polish piano hinged cover, 3 ply wood tone chamber with cast iron back tone reproducer as used on phonographs selling at much higher prices. Universal three-back tone arm—plays all records without extra attachments. Highest grade tapered worm gear motor plays four 10 inch records with one winding. Nickel plated fittings, tone modifier speed control and indicator brake, automatic stop.

—here's what we will do:

WE want to interest you in selling Grand Opera phonographs. If you can spare a small space in a prominent location, and are willing to use a few moments each day in pushing the sale of a big unit item carrying a long profit, our proposition should net enough *extra* money to be worth your while.

Many of your customers are in the market for a phonograph of Grand Opera quality at the Grand Opera price. A demonstration often is the only salesmanship needed to close a sale. When a prospective buyer once listens to the marvelous tone of the Grand Opera, critically examines its superb quality, finds the price *many dollars less than expected*, a sale is quickly made.

For your own satisfaction we ask you to compare the Grand Opera with any make; in *construction*, in quality of *materials* and *workmanship*, in *finish*, in *volume* of pure clear tone, Grand Operas *give everything you can expect* in a phonograph.

Your Sample—FREE

Here is our proposition: Send us your order for either the console or upright model shown above, and your order will be recorded on our ledger as due NET Nov. 1, 1925. If by that date you have purchased 5 other phonographs—any numbers from the Grand Opera line—and paid for them according to our regular terms, we will send you a credit memorandum *for the full amount of the original sample.*

All you need do to take advantage of this offer is to write FREE SAMPLE PLAN on your order and specify the model you wish.

ADVERTISING HELPS

We supply FREE a quantity of Phonograph folders showing our complete line. These folders are made up with retail prices only so you can use them in taking orders. We carry the stock of phonographs and make prompt shipments as orders are received.

Order Your Sample Phonograph Today

Grand Opera PHONOGRAPHS

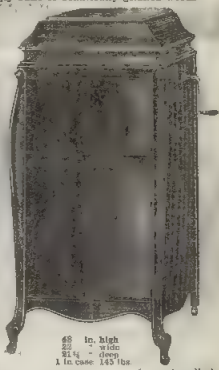
Grand Opera Phonographs are high grade instruments with a rich, mellow, resonant tone resulting from a highly developed tone chamber. They have all recent improvements and at these low prices are exceptional values. The cabinets are strongly built of beautifully grained woods. In tone, appearance and size they will compare favorably with any Phonographs on the market, regardless of name or price. Extra well finished and packed.

40 in. high
19½ " wide
21½ " deep
1 in case, 145 lbs.

1F4708—mahogany. Each
1F4709—Walnut. **$52.00**

45 in. high
20 " wide
22 " deep
1 in case, 150 lbs.

1F4711—mahogany Each
1F4714—Walnut. **$62.00**



48 in. high
22 " wide
21½ " deep
1 in case 145 lbs.

1F4802—mahogany. Each
1F4803—Walnut. **$72.00**

54½ in. high
38 " wide
19½ " deep
1 in case, 170 lbs.

1F4726—mahogany. Each
1F4727—Walnut **$57.00**

BETTER Phonographs

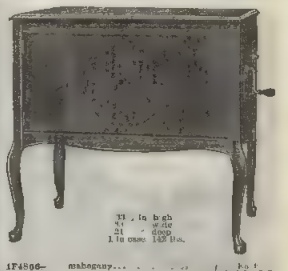
Your customers will appreciate the superior features and the unexcelled tone of the Grand Opera Phonograph. Each model has—

Universal Throw-Back Tone Arm—
Plays all records without extra attachments. Nickel plated

High Grade Double Spring Motor—
[illegible]

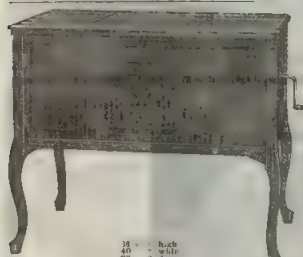
Latest Design Tone Chamber—
Producing the famous Grand Opera tone. [illegible]

Handsome Cabinets—
Finely constructed of durable 5-ply veneer mahogany or walnut in beautiful designs. Hand rubbed and polished. Piano hinged covers.



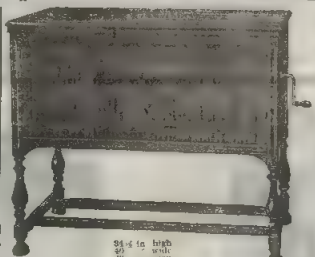
34½ in. high
21 " wide
21 " deep
1 in case 145 lbs.

1F4806—mahogany. Each
1F4807—Walnut **$60.00**



34½ in. high
40 " wide
22 " deep
1 in case, 180 lbs.

1F4731—mahogany Each
1F4734—Walnut **$84.00**

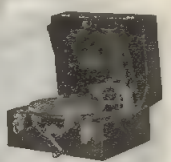


34½ in. high
40 " wide
22 " deep
1 in case, 180 lbs.

1F4814—mahogany
1F4815—Two-tone walnut **$89.00**

"Cary-Ola" Portable Phonograph

Made by the manufacturers of the famous "Periophone."



1F4700—8 in. high, 13 in. wide, [illegible] cabinet, [illegible] leather cover, [illegible] spring motor, plays 2 records on one winding, self contained record compartment for about 20 records, needle holder. No movable parts, ready to play when lid is opened. Full length nickel plated piano hinge and nickel plated [illegible] Heavy shaped handle. In shipping carton 11 lbs. Each **$16.50**

Polished Steel Phonograph Needles

Polished Steel Needles, 100 in package, 10 packages in carton. Per carton 1M 11 cartons.
1F4743—Loud | Per M
1F4746—Medium | 45c

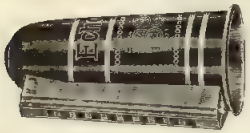
1F4737—Wall-kane Polished steel, assorted cuts, loud and [illegible] Hold 50 needles in pkg. enough for 500 records. 5 doz. pkgs. on display stand. Retail value $9.00.
ASST (5 doz pkgs) **$3.50**

Record Albums

Maroon covers, gold lettering, reinforced wood back, 12 loose leaf pockets, patented spring arch. Each wrapped.

1F4741—For 10 in. records. Each **80c**
1F4742—For 12 in. records. Each **90c**

HOHNER HARMONICAS



The Hohner "Echophone" harmonica is a decidedly novel instrument in the shape of a cartridge Shell in gun metal or brass with engraving and colored lettering

Has 10 holes, 20 reeds, brass plates and finely nickel plated covers.

No. 3810—Echophone . . . . . .Per dozen $22 50

The Old Standby

Guaranteed first class in every way, nickel plated covers, brass plates, 10 single holes, 20 reeds

No. 34B—Standby .....Per dozen $11.25

The Old Favorite

Nickel plated covers, brass plates, 10 double holes, 20 reeds, in construction similar to the concert instruments

No. 50B—Favorite ..... .Per dozen $11.25

Concert

Heavy convex, finely nickel plated covers, brass plates, 10 double holes, 40 reeds, full concert. It measures 4 inches in length.

No. 1896—Marine Band... .....Per dozen $12 00

One in a hinged box, one dozen in a package.

HOHNER HARMONICAS

HOHNER BOY ASSORTMENT

This assortment consists of one permanent display card measuring 31x15 inches, beautifully lithographed in five colors.

There are one dozen harmonicas mounted on it and they are assorted in a variety of styles in seven different keys

The boy, pleased with the harmonica in his hand, is a silent salesman and very effective.

No. 425—Hohner Boy . ..... Per asst $12.00

One assortment on a card

HOTZ HARMONICAS

"Hotz Band" measures 6¼ inches in length. This instrument has a much larger range than the ordinary single hole. Its range is 3 octaves, with 14 single holes, 28 reeds, with brassed plates, nickel plated covers with open back.

No. 044—Hotz Band.....Per dozen $12 00

One in a telescope box, one dozen in a package

REVOLVING ASSORTMENT

This assortment consisting of 36 Hohner harmonicas is accompanied by a large and beautiful revolving display stand in the form of an obelisk

This stand is solidly constructed of thoroughly seasoned wood and is finished in rich dark mahogany, highly polished

In the base compartment there is installed a well built motor that revolves the obelisk for three and one-half hours with one winding.

The obelisk stands 32 inches high on a base 10¾ inches square.

By means of steel clamps and supports 36 Hohner harmonicas in the keys of A, B, C, D, E, F and G are fastened to it. These instruments are in a variety of thirteen different styles, each one being a good seller—as the style varies, so does the price—a style and a price for any customer.

No. 600—Revolving Assortment.....Per asst. $35.20

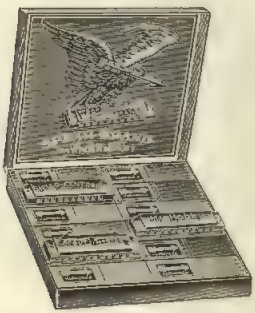
One in a box

FR. HOTZ HARMONICAS

"THE AMERICAN ACE" HOTZ HARMONICA ASSORTMENT. This comprises 12 perfectly tuned Hotz harmonicas contained in extra heavy telescope boxes, of different colors, decorated in silver lettering. Every harmonica is warranted of uniform tune, having 20 reeds, 10 single holes, finely nickel-plated covers, brassed plates, open back.

No. 016—American Ace.....Per dozen **$6.00**

SPEAR BRAND HARMONICAS



In this assortment there are three very attractive styles in different keys. Each instrument has 10 single holes, 20 reeds mounted on brassed plates. Four assortments in a box

No. E4—Spear Brand.....Per box **$2.70**

Four assortments (one dozen) in a box.

POHL HARMONICAS

This is an unusually attractive assortment containing twelve assorted harmonicas. Each instrument has a metal plate, eight accurately tuned reeds, nicely nickel plated covers, reeds tuned to the scale permitting simple melodies to be obtained

No. 156—Pohl.....Per asst. **$1 80**

One assortment (12 harmonicas) in a box

STEEL MUSICAL INSTRUMENT STRINGS

VIOLIN

No.		Per Doz.
60	—E or first, 1 length silver plated, with knot	$0.54
65	—A or second, 1 length silver plated, with knot	.54
70	—D or third, 1 length steel wire covered, wire center	.66
80	—G or fourth, 1 length steel wire covered, wire center	1.20
95	—Set complete, 4 string, silver plated—Per dozen sets	5.40

GUITAR

No		Per Doz.
50	—E or first, 1 length silver plated wire	$0.60
51	—B or second, 1 length silver plated wire	.60
52	—G or third, 1 length silver plated wire	.72
88D	—D or fourth, 1 length wound on steel wire	1.95
88A	—A or fifth, 1 length wound on steel wire	2.55
88E	—E or sixth, 1 length wound on steel wire	3.30
96	—Set complete, 6 strings, silver plated—Per dozen sets	12.60

BANJO

No.		Per Doz.
1¼	—First, 1 length silver plated wire	$ 0.60
2½	—Second, 1 length silver plated wire	.60
3½	—Third, 1 length silver plated wire	.60
4½	—Fourth, 1 length silver plated wire	1.65
5½	Fifth, 1 length silver plated wire	.60
112	—set complete, 5 strings—Per dozen sets	9.00

MANDOLIN

No.		Per Doz.
101	—E or first, 1 length silver plated wire	$ 0.60
103	—A or second, 1 length silver plated wire	.60
105	—D or third, covered silver plated wire	1.35
107	—G or fourth, covered silver plated wire	1.65
47	—Set complete, 8 strings—Per dozen sets	10.00

One gross in a package.

COMMUNITY PLATE

Guaranteed for 50 Years

PATRICIAN DESIGN—*Bright Finish*

Every piece shown here furnished in all COMMUNITY PLATE patterns

Nos.		Per Doz
6602	Tea Spoons	$ 7.20
6603	Dessert Spoons	14.00
6605	Table Spoons	14.40
6604	Soup Spoons	14.40

All COMMUNITY PLATE patterns are the same price

KNIVES (PLATED BLADES)

Nos.		Per Set of 6
6611	Hollow Handle Dinner or Medium	$10.00
6612	Hollow Handle Dessert	9.75
6615	Modeled Handle Dinner or Medium	6.75
6616	Modeled Handle Dessert	6.50

KNIVES (STAINLESS BLADES)

Nos.		Per Set of 6
6664	Hollow Handle Dinner or Medium	$11.00
6626	Hollow Handle Dessert	10.75
6594	Modeled Handle Dinner or Medium	6.50

FORKS

Nos.		Per Set of 6
6607	Dinner	$7.20
6606	Dessert	7.00

Six in a Lined Box

KNIFE AND FORK SETS

HOLLOW HANDLE KNIVES WITH PLATED BLADES

Nos.		Per Set
6742	Dinner Knives and Flat Dinner Forks	$17.20
6743	Dessert Knives and Flat Dessert Forks	16.75

MODELED HANDLE KNIVES WITH PLATED BLADES

6803	Dinner Knives and Flat Dinner Forks	$14.00
6982	Dessert Knives and Flat Dessert Forks	13.50

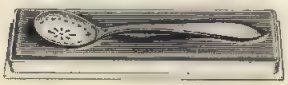
HOLLOW HANDLE KNIVES WITH STAINLESS BLADES

6598	Dinner Knives & Flat Dinner Forks	$18.25
6599	Dessert Knives & Flat Dessert Forks	17.75

MODELED HANDLE KNIVES WITH STAINLESS BLADES

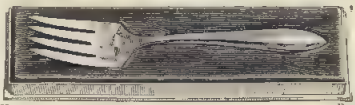
6597	Dinner Knives & Flat Dinner Forks	$14.75

Set of Six Knives and Six Forks in a Lined Box

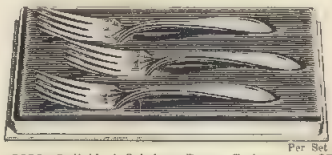


Nos.		Each
No. 6656	Olive or Salted Nut Spoon	$1.75

Nos.		Each
6620	Large Berry or Serving Spoon	$3.25
6647	Small Berry or Preserve Spoon	2.50



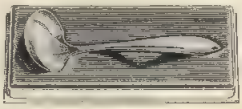
Nos.		Each
6667	Large Cold Meat or Serving Fork	$2.25
6668	Small Cold Meat Fork	1.75



Per Set of 6

No. 6688 Individual Salad or Pastry Forks $7.00

Nos.		Per Set
6729	Butter and Sugar Set	$2.50
		Each
6650	Sugar Spoon	1.25
6695	Butter Knife	1.25



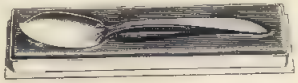
Nos.		Each
6715	Salad Dressing or Sma[illegible] Ladle	$2.00
6717	Gravy Ladle	2.50
6721	Med. Soup Ladle	7.50

All Above are Furnished in Lined Boxes

COMMUNITY PLATE

Guaranteed for 50 Years
PATRICIAN DESIGN—*Bright Finish*

No. **6484**—Pierced Pastry Server — Each **$4.00**



No. **6623**—Jelly Server — Each **$1.50**

No. **6815**—Cheese Knife or Server — Each **$2.50**

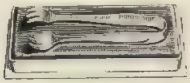
No. **6697**—Individual Butter Spreaders . . . . . Per Set of 6 **$6.00**

CARVING SETS

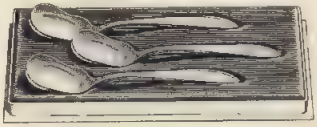
Nos.		Per Set
6728	Small (2 pcs.) Hollow Handle	$ 6.50
6596	Small (2 pcs.) Modeled Hdl.	5.50
6725	Large (3 pcs.) Hollow Handle	16.00

Correct Service Pieces are all packed in blue velvet lined gift boxes

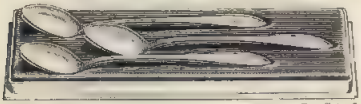
Nos.		Per Set
6738	—Baby Set (Bent Spoon and Fork)	$2.00
		Each
6619	—Baby Spoon (Bent Hdl.)	1.00
6624	—Baby Spoon (Str. Hdl.)	1.00
6628	—Baby Fork (Str. Hdl.)	1.00



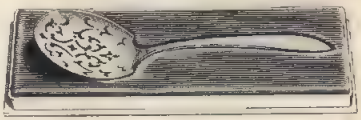
No. **6708** Sugar Tongs — Each **$1.50**



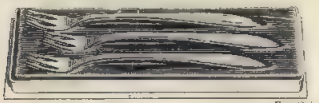
No. **6687**—Ice Cream or Sundae Spoons . . . . . Per Set of 6 **$5.50**



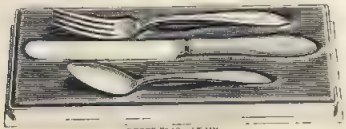
No. **6629**—Iced Tea or Iced Drink Spoons . . . . Per Set of 6 **$6.00**



No. **6690**—Pierced Server (for Tomatoes, Croquettes, etc.) — Each **$3.00**

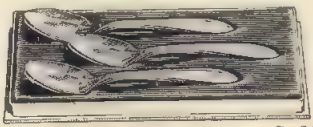


No. **6679** Fruit Cocktail, Oyster or Seafood Forks — Per Set of 6 **$5.00**



CHILD'S SETS

Nos.		Per Set
6735	—With Hollow Handle Knife	$4.00
6737	—With Flat Handle Knife	3.00



No. **6641**—Orange or Grape Fruit Spoons . . . . . Per Set of 6 **$5.50**

Peejay Ringen

Sensational
Bicycle
Incline
Dive

ONLY ACT OF ITS KIND

Supreme
DIVING
They Have
THE GREATEST DIVING

BEAUTY
FORM
and
CLASS
in
DASHING
DIVES

Death-Defying, Nerve-Racking, Blood-Curdling
Dive, Leaving Bicycle in Midair at Lightning Speed
Darting Thru Space into Shallow Tank of Water

HOLDER OF THE ROCKEFELLER MEDAL
FOR HIGH, TRICK AND FANCY DIVING

Original RINGENS No Equals

ACTS EVER PRODUCED

Miss Swan Ringen

World's Highest Lady Diver

PERSONIFICATION OF DARING GRACE

AN EYE FEAST and A THRILL FEST

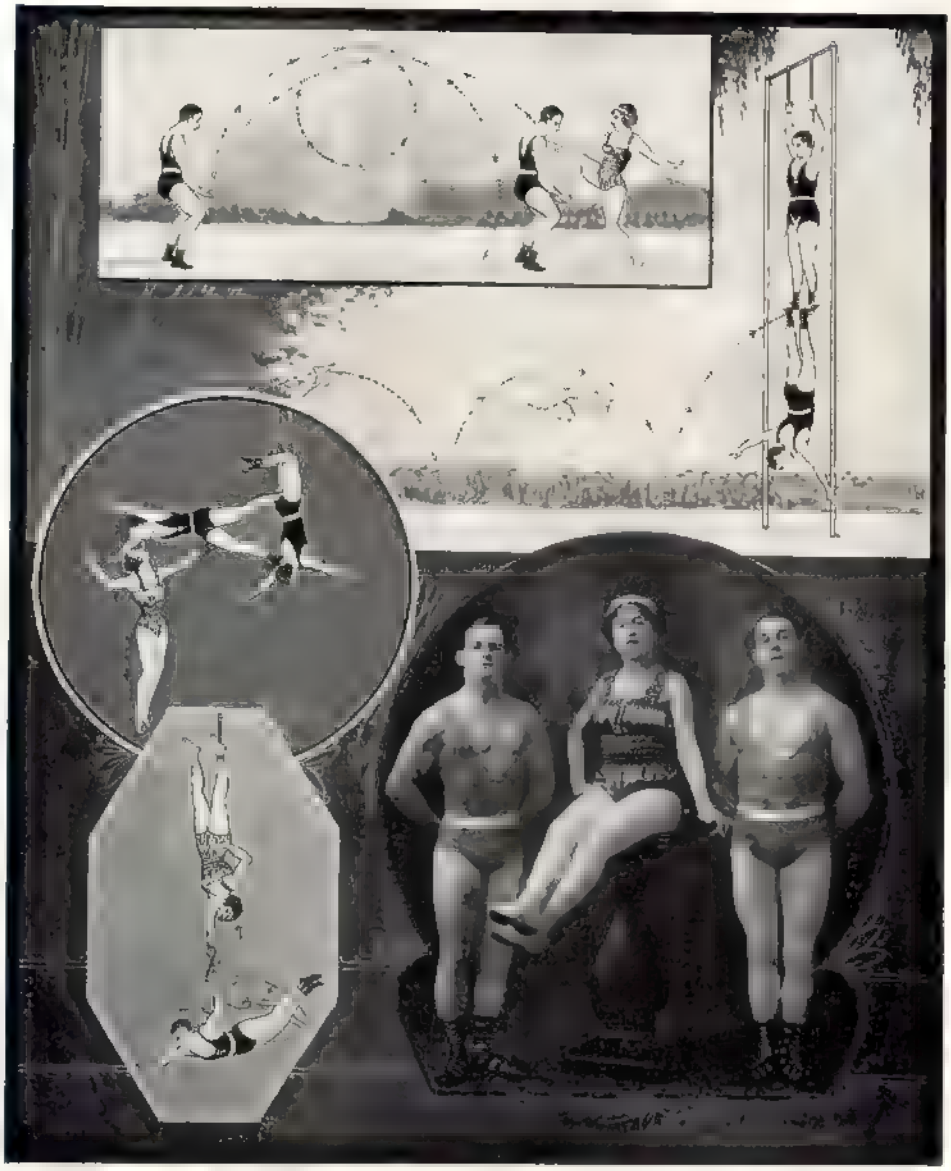
Most Reckless, Thrilling, Dare-Devil Sensation Ever Conceived. Handing You the Shock of a Life-Time. The Utmost Limit in Flirting with Death.

THEY CARRY EVERYTHING TO PRODUCE THEIR MAMMOTH ATTRACTION *but the* WATER

A NOVELTY SURPRISE

JOE ST. ONGE TRIO

EVERY TRICK A FEATURE



Hand to Hand Somersaulting. Sensational Toe to Toe Catch. Beautiful Aerial Triple Formations.

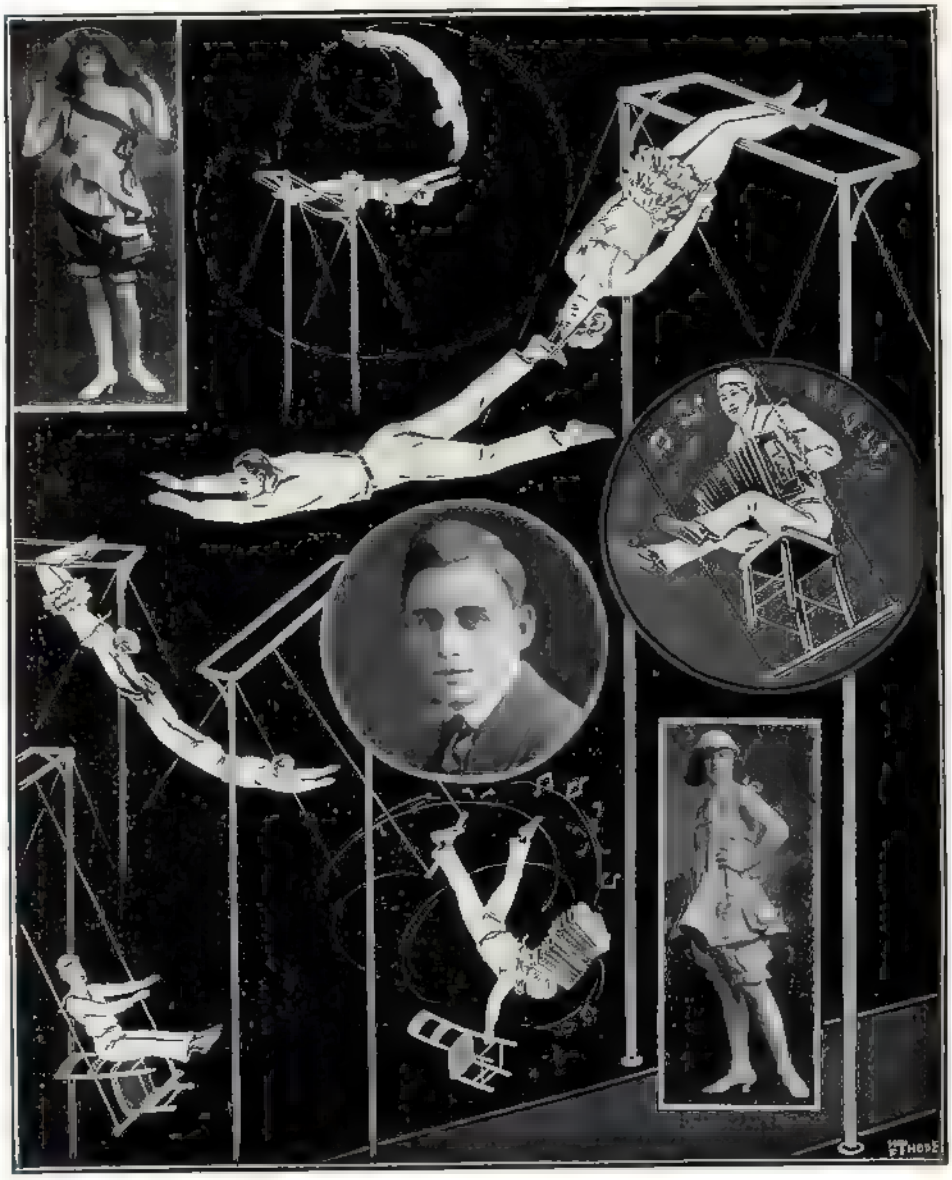
New Feats of Dental Strength and Marvelous Tumbling.

FEATURED THE WORLD 'ROUND

Lohse and Sterling

DARING—DAINTY—EXOTIC

Fascinating, Foreign Allure of Costuming, Manner and Performance



COMBINATION CRADLE, TRAPEZE AND RINGS

Act 2—The Flying Sailor. Dare-Devil Comedian in Mid-Air. A Laughing Knock-Out.

EVERY ACT IN THIS CATALOG CONTROLLED EXCLUSIVELY BY **WORLD AMUSEMENT SERVICE ASSOCIATION, Inc.**

"SERVICE and SATISFACTION"

PITTSBURGH REFLECTORS

DIRECT OR INDIRECT

"Pittsburgh" Reflectors for direct and indirect lighting are made in the same manner as the show-window reflectors. They are especially designed, one-piece, glass, silver plated reflectors. This plating is protected by a coat of copper and new silver colored satin finish. The direct reflectors are especially adapted for localized lighting, individual machines, bench and work tables. The larger units are most economical and highly efficient for general lighting factories, garages and such parts of stores where opaque reflectors can be used.

No. E-75

No. E-100

No. E-75

No.	Size of lamp, watts	Diam.	Height	Std. pkg.	Each
E-75	75	6⅝ in.	4¾ in.	32	$3.00

No. E-100

No.	Size of lamp, watts	Diam.	Height	Std. pkg.	Each
E-100	100, 150	8 in.	6 in.	40	$4.25

No. D-100

No. D-200

No. D-100

No.	Size of lamp, watts	Diam.	Height	Std. pkg.	Each
D-100	100, 150	7 in.	4½ in.	40	$3.75

No. D-200

No.	Size of lamp, watts	Diam.	Height	Std. pkg.	Each
D-200	200	9½ in.	5¾ in.	40	$4.50

No. P-100

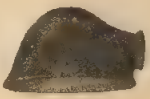
No. P-150

No. P-100

No.	Size of lamp, watts	Diam.	Height	Std. pkg.	Each
P-100	100, 150	6½ in.	3⅜ in.	40	$3.75

No. P-150

No.	Size of lamp, watts	Diam.	Height	Std. pkg.	Each
P-150	100, 150	7¾ in.	3⅝ in.	40	$4.50



No. P-200

No.	Size of lamp, watts	Diam.	Height	Std. pkg.	Each
P-200	200	7½ in.	4¼ in.	40	$3.50

No. E-200

No. E-225

No. E-200

No.	Size of lamp, watts	Diam.	Height	Std. pkg.	Each
E-200	100, 200	8⅞ in.	9 in.	36	$5.50

No. E-225

No.	Size of lamp, watts	Diam.	Height	Std. pkg.	Each
E-225	200	9½ in.	7¾ in.	40	$5.50

No. I-100

No. I-200

No. I-100

No.	Size of lamp, watts	Diam.	Height	Std. pkg.	Each
I-100	100, 150	9¾ in.	5⅞ in.	40	$4.25

No. I-200

No.	Size of lamp, watts	Diam	Height	Std pkg.	Each
I-200	100, 200	11 in.	7¼ in.	40	$4.50

No. I-500

No.	Size of lamp, watts	Diam.	Height	Std. pkg.	Each
I-500	400, 500	14⅞ in.	7 in.	15	$6.90

"PITTSBURGH" REFLECTORS

FOR SHOW WINDOW LIGHTING

"Pittsburgh" Show-Window Reflectors are superior to any other similar line. Their special design gives the utmost in results for the particular purpose for which they are designed. The plating of silver is covered and protected with an electro plating of copper (an exclusive process used by us in place of shellac used by other lines which will ultimately crack and peel from the intense heat of the gas-filled lamp.) This is covered with a new silver colored satin finish and baked at a high temperature. It is impossible for the backing to crack, check or peel

The silver color makes the reflectors less conspicuous when not concealed by valance or sign; harmonizes more universally with the variety of colors found in show window ceilings and backgrounds, is suggestive of light silver and glass, and, unlike the enamel heretofore used for reflector backings, this silver color will not darken under the heat of the type "C" lamps

Last—but by no means least—this new finish adds even greater durability to the backing.

The reflectors are absolutely and unconditionally guaranteed in this respect for five years' service. The reflectors are designed for use with the ordinary 2¼-in. holders. No unusual holders needed. The 200-watt lamp may be used with the 100-watt reflectors, maintaining the same light distribution by substituting form "H" holder in place of form "O." It can be so used with no other line. "Pittsburgh" Show-Window Reflectors are the most reasonable in price of any similar line.

No. 50

No. 50

Holder, 2¼ inches. Form "O."

Designed for high shallow windows, for island windows, or for windows with the upper part of the background made of glass. Concentrating in type. Light cut off on the fifty-five degree line.

No	Size lamp, watts	Width	Height	Std. pkg	Wt. lbs. std pkg.	Each
50	100, 200	10¼ in.	9⅝ in.	32	100	$7.00

No. 75

No. 61

No. 70

No. 100

No. 75

Holder, 2¼ inches. Form "H."

Designed for windows like those described above, but where 75-watt lamps are used in place of 100 or 150. This reflector should never be used with 100-watt lamps. The distance from contact to filament in the 100-watt is 1/16-inch greater than in the 75-watt lamp. Using the 100-watt lamp the filament will therefore be this distance below the "focul point" of the reflector and the light curve will be entirely different from that which the reflector is designed to produce.

No.	Size lamp, watts	Width	Height	Std pkg.	Wt. lbs. std pkg	Ea
75	75	7½ in.	6 in.	32	67	$5.50

No. 51

Holder, 2¼ inches. Form "O."

No.	Size lamp, watts	Width	Height	Std pkg.	Wt. lbs. std. pkg.	Ea.
51	100, 130	9⅜ in.	8⅛ in.	32	96	$6.80

No. 70

Holder, 2¼ inches. Form "H."

This reflector is designed for wall-case lighting and may be used with 40, 50 or 60-watt lamps by using form "O," 2¼-in. holder, and with the 75-watt "C" lamp when form "H" holder is used. It is most important that the proper holder be used with any certain lamp.

No.	Size lamp, watts	Width	Height	Std pkg.	Wt. lbs. std. pkg.	Ea.
70	75	6¼ in.	5 3/16 in.	40	65	$4.50

No. 100

Holder, 2¼ inches. Form "O."

Designed for use in windows where the depth of the window is ⅓ to ¾ of the height, and where it is desired to light the entire background. A general all round reflector. Contractors can use it with good results in the majority of windows. Receptacles for this reflector should be placed at least four inches from the glass line.

No.	Size lamp, watts	Width	Height	Std. pkg	Wt. lbs. std pkg.	Ea.
100	100, 150	8 in.	8 7/16 in.	40	98	$6.25

The new RAYFIELD CARBURETOR IS WONDERFUL!

YOU know the engine troubles of the average motorist. He says his motor is hard to start—or its pick-up is slow, or it runs poorly, lacks power, dies in traffic or wastes gas.

You also know that you can't make any engine run sweet if the carburetor isn't *right.* And when you go and sell your customer a new carburetor, heaven help you if it doesn't vastly improve the car's performance!

Now comes Rayfield with this new carburetor—thoroughly tried and tested—built to meet every demand

THE BENEKE MFG. CO. · CHICAGO

and priced at only $21.50 retail for the 1¼ in. size!

Simple in construction. Only two moving units, only two adjustments. Rayfield carburetor outfits have been designed for many of the popular cars and these outfits are packed complete to the last cotter pin, ready to install.

The New Rayfield Carburetor is a worthy successor to the early Rayfields of racing fame.

You can slap a Rayfield on a manifold—set the two adjustment screws—and send your customer on his way rejoicing.

Let the marvelous performance of this new carburetor help you increase your business. If your jobber can't supply you write us for prices and give us his name.

The New

RAYFIELD

CARBURETOR

STORE LADDERS

RELIABLE—OVERHEAD

For use with unusually high shelving where side ladders will not meet the requirements.

Each ladder step is grooved in the stiles and fastened with four steel screws, and at every fourth step a stay-rod is bolted through both stiles for additional strength.

Upper fixture has four steel cased wheels with fibre tread. Floor wheels also have fibre tread.

Made of selected kiln-dried oak rubbed and varnished fixtures made of malleable iron and steel japanned finish; track wheels run smoothly with no side friction and cannot jump the track; track and brackets finished in black enamel finish.

FOR STRAIGHT TRACK

Each

No. **95**—Ladder Complete with Fixtures; Weight per Foot, 4 Lbs. **$19.00**

Note—If Distance from Floor to Ceiling Exceeds 12 Feet Add $1.00 to List Price of Ladder for Each Additional Foot or Fraction Thereof.

Per 100 Feet

No. **11L**—Round Steel Track for Overhead Ladder, Complete with Brackets; Weight per 100 Ft. 175 Lbs. **$25.00**

Per Set

No. **97**—Upper Fixtures for Overhead Ladder; Weight per set, 6¾ Lbs. **$4.00**

Per Set

No. **98**—Lower Fixtures for Overhead Ladder, Weight per Set, 3¼ Lbs. **$2.00**

FOR CURVED TRACK

Each

No. **100**—Overhead Ladder for Curved Track Requirements, with Trolley Track Fixtures, Weight per Ft. 4 Lbs. **$19.00**

Note—If distance from Floor to Ceiling Exceeds 12 Feet Add $1.00 to List Price of Ladder for Each Additional Foot or Fraction Thereof.

Per 100 Feet

No. **60X**—Trolley Track without Brackets per 100 Ft., Weight 150 Lbs. **$18.00**

For each curve add **3.00**

Per 100

No. **60**-C. O.—Centre Overhead Cross Ear Brackets; Weight per 100, 150 Lbs. **$20.00**

No. **60EO**.—End Overhead Cross Ear Brackets; Weight per 100, 158 Lbs. **20.00**

No. **60CQ**.—Centre Overhead Parallel Ear Brackets, Weight per 100, 150 Lbs. **20.00**

No. **60EQ**.—End Overhead Parallel Ear Brackets; Weight per 100, 158 Lbs. **20.00**

Per Set

No. **99**—Track Fixtures; Upper Trolley **$4.00**

No. **98**—Lower Track Fixtures, Weight per Set, 3¼ Lbs. **2.00**

STORE LADDERS

RELIABLE—BENT SIDE

Made of selected kiln-dried oak rubbed and varnished. Each ladder step is grooved in the stiles and fastened with four steel screws and at every fourth step a stay-rod is bolted through both stiles for additional strength. This style is intended for use where projection of the base shelf is too great to take a straight ladder.

For best operation of ladder, track should be attached to the shelving about three feet below the highest point at which goods are stored.

Brackets are regularly furnished for three foot spacing. Track should have about 12 inches of clear space above, but may be reduced to 7 inches if necessary. If headroom is less than 12 inches, mention same when ordering. Track is regularly furnished in four, six, eight and ten foot lengths.

Each

No. **85**—Bent Side Ladder, Complete with Fixtures, Weight per Ft., 4½ Lbs. **$24.00**

Note—If Distance from Floor to Centre of Track Exceeds 10 Feet, Add $1.00 to List Price Per Foot, to the Price of the Ladder for Each Additional Foot or Fraction Thereof.

Per 100 Feet

No. **1**-L—Round Steel Track, Complete with Brackets, Weight per 100 Ft., 75 Lbs. **$12.00**

Note—If Curved Track is Desired, Allowing the Ladder to run along two Sections of Shelving at Right Angles to Each Other, Add to the Price of the Track an Extra Charge of $3 00 for such Curving.

Per Set

No. **82**—Upper Fixtures, Weight per Set, 6 Lbs. **$5.00**

No. **87**—Upper Fixtures for Operation on Curved Track, Weight per Set, 15 Lbs. **13.00**

No. **83**—Lower Fixtures, Weight per Set, 7 Lbs. **5.00**

Per Pair

No. **84**—Rubber Tires for Floor Wheels, Weight per Pair ⅗ Lbs. **$1.00**

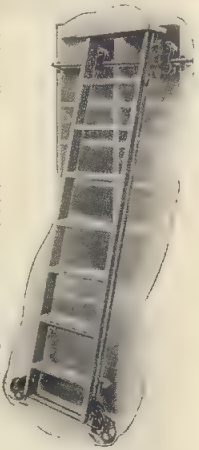
STORE LADDERS

RELIABLE—STRAIGHT SIDE

Most popular style, recommended wherever shelving will permit. Occupies less floor space than any other style. Durable, strong and safe.

Top fixture is self-adjusting, with a perfect bearing on the track, allowing the ladder to roll easily whether perpendicular or at an angle.

Can be placed close to the shelving when not in use. Floor wheels are rubber tired making the ladder perfectly noiseless and easy running.



Made of selected kiln-dried oak, rubbed and varnished, fixtures made of malleable iron and steel; japanned finish; track wheels run smoothly with no side friction; track and brackets finished in black enamel.

	Each
No. **80**—Ladder complete with Fixtures, Weight per Ft., 4½ Lbs.	**$22.00**
No. **86**—Ladder complete with upper fixtures for operation on curved track, Weight per Ft., 5¼ Lbs.	**30.00**

Note: If distance from floor to centre of track exceeds 10 feet, add $1.00 to list price of the ladder for each additional foot or fraction thereof.

	Per 100 Feet
No. **1L**—Round track, complete with brackets, Weight per 100 Ft., 75 Lbs.	**$12.00**

Note: If curved track is desired, allowing the ladder to run along two sections of shelving at right angles to each other, add to the price of the track an extra charge of $3.00 for such curving.

	Per Set
No. **82**—Upper fixtures, Weight per set, 6 Lbs.	**$5.00**
No. **87**—Upper fixtures for operation on curved track, Weight per set, 15 Lbs.	**13.00**
No. **83**—Lower fixtures, Weight per set, 7 Lbs.	**5.00**
No. **84**—Rubber tires for floor wheels, Weight per Set, ¾ Lbs.	**1.00**

STORE LADDERS

RELIABLE—BASE AND SHELF

This style intended particularly for special conditions which require that the ladder operate independently of both floor and ceiling. Made with extra strong fixtures, as all the weight is carried by the track.

Made of selected kiln-dried oak, rubbed and varnished, each ladder step is grooved in the stiles and fastened with four steel screws, and at every fourth step a stay-rod is bolted through both stiles for additional strength.

Wheels on upper and lower fixtures are steel cased, with hard fibre tread, noiseless in operation and will run freely with the minimum of friction.

	Each
No. **90**—Oak Base Shelf Ladder, complete with fixtures, Weight per Foot, 4 Lbs.	**$20.00**

Note: If distance from floor to centre of track exceeds 10 feet, add $1.00 to list price per foot to the price of the ladder for each additional foot or fraction thereof.

	Per 100 Feet
No. **2L**—Round steel track for base shelf ladder, complete with brackets, Weight per 100 Ft., 125 Lbs.	**$16.00**

	Per Set
No. **92**—Upper Fixtures for Base Shelf Ladder, Weight per set, 5½ Lbs.	**$4.00**
No. **93**—Lower Fixtures for Base Shelf Ladder, Weight per set, 3 Lbs.	**2.00**

LADDER HOOKS

SELF-ADJUSTING

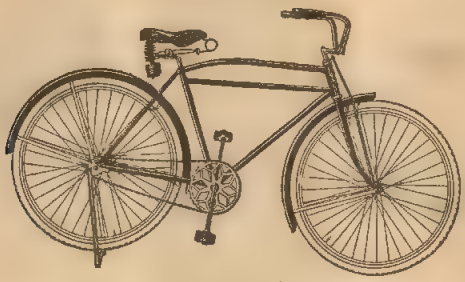
Hook fixture for use on non-rolling ladders for convenience in transferring from one shelving to another. Permits the safe use of a single ladder on different sections. For use with No. 80 or No. 85 ladders only. Self adjusting.

	Each
No. **89**	**$4.00**

BICYCLES

ROAMER NAME PLATE

DOUBLE BAR MOTOBIKE



NOS. 504-R TO 504-G

Specifications

Frame—Double bar, curved top bar, 20/18-inch; 28-inch wheels.
Fork—Full enameled with braces, motorcycle type.
Finish—Hudson blue or dark maroon with white head
Tires—28x1 ½ inches. Non-Skid. Chain cup tread.
Saddle—Troxel Motobike.
Coaster Brake—New Departure.
Crank Hanger—One piece.
Pedals—Rubber.
Rims—36 hole, wood enameled white center, with blue edge.
Bars—Braced Motobike with rubber grips.
Mud Guards—Drop side, steel front and rear, flat braces, blue or dark maroon enameled, with center stripe to match head.
Stand—Black enameled.

No.		Each
504-R	With wood cement rims	$69.00
504-S	With steel cement rims	70.00
504-G	With steel G. & J. rims and tires	73.50

SINGLE BAR (CAMEL BACK)

NOS. 503-R AND 503-S

Specifications

Frame—20/18-inch, curved bar; 28-inch wheels.
Fork—Full enameled.
Coaster Brake—New Departure.
Rims—36-hole, wood, enameled white center, with dark maroon edge.
Finish—Dark maroon with white head.
Tires—28x1 ½ inches. Non-Skid. Chain cup tread.
Saddle—Troxel No. 2 motobike.
Crank Hanger—One piece.
Pedals—Rubber.
Bars—Adjustable expander forward extension, with rubber grips.
Mud Guards—Drop side, steel front and rear, flat braces, enameled, with center stripe to match head.
Stand—Black enameled.

No.		Each
503-R	With wood cement rims	$63.00
503-S	With steel cement rims	64.00

The above bicycles are completely equipped, except tool bag outfit, and positively no change in equipment will be made. Average shipping weight, 65 lbs. each.

BICYCLES

ROAMER NAME PLATE

No. 507

BOYS' JUVENILE (CAMEL BACK)

Specifications

No. 507

Size—18/16-inch frame, 26-inch wheels; 17/15-inch frame, 24-inch wheels.
Finish—Dark maroon with white head or blue with white head
Handle Bar—Rollfast, 16-inch.
Grips—Rollfast juvenile rubber.
Saddle—Juvenile suspension.
Crank Hanger—One piece
Pedals—No. 5 Torrington rubber.
Tires—Rollfast juvenile, Non-skid.
Coaster Brake—New Departure.

No.		Each
507-/18/16	Wood Cement Rims, 18/16-inch Frame	$50.50
507-/17/15	Wood Cement Rims, 17/15-inch Frame	50.50

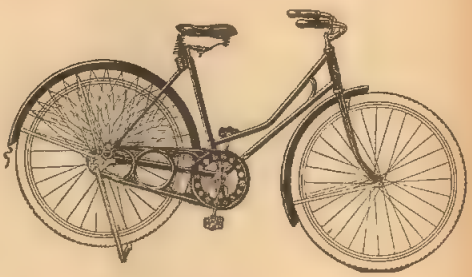
GIRLS' JUVENILE

Specifications

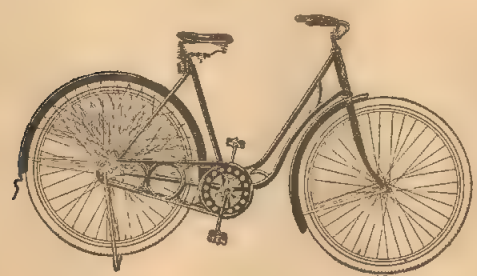
No. 508

Size—18-inch frame, 26-inch wheels; 17-inch frame, 24-inch wheels.
Finish—Dark maroon with white head or blue with white head.
Handle Bar—Rollfast, 16-inch.
Grips—Rollfast juvenile rubber.
Saddle—Juvenile suspension.
Crank Hanger—One piece
Pedals—No. 5 Torrington rubber.
Tires—Rollfast juvenile; Non-skid.
Coaster Brake—New Departure.

No.		Each
508/17	Wood Cement Rims, 17-inch Frame	$60.00
508/18	Wood Cement Rims, 18-inch Frame	60.00



No. 508



No. 506-R

LADIES'

Specifications

No. 506-R

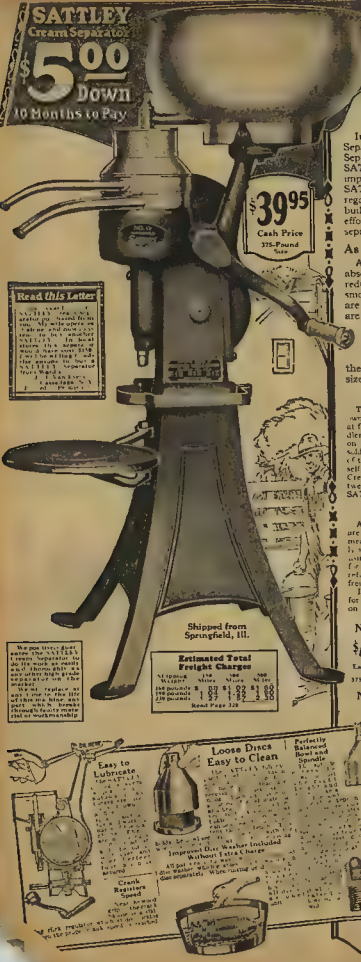
Size—21-inch frame, 28-inch wheels.
Finish—Hudson blue, with white head.
Handle Bar—Rollfast, 19-inch.
Grips—Rollfast; long rubber.
Saddle—Ladies' trophy.
Pedals—No. 5 Torrington rubber.
Crank Hanger—One piece
Tires—Rollfast; Non-skid chain cup.
Coaster Brake—New Departure.

No.		Each
506-R	Wood Cement Rims	$67.00

The above bicycles are completely equipped, except tool bag outfit, and positively no change in equipment will be made.
Average shipping weight, 45 lbs. each.

The Best Separators Ward's Ever Built

SATTLEY Cream Separator
$5.00 Down
10 Months to Pay



Now Sold at New Low Prices

In all the years we have been building high grade Cream Separators, we never before have been able to offer you a Separator as nearly perfect in every way as the new 1925 SATTLEY. We feel no hesitation in saying that with the improvements in design made in our new 1925 models the SATTLEY is equal in every way to the best separators made regardless of price. Experts guided by years of experience in building and operating separators have put their very best efforts into this machine. We believe it is positively the best separator value ever offered.

As Near Perfection as Experts Can Make Them

A sturdy square base holds the SATTLEY Cream Separator absolutely steady. Clean cut gears and positive lubrication reduce friction to a minimum and make the separator so smooth, quiet and light running a child can operate it. There are no sharp corners nor crevices in supply can nor bowl that are hard to get at for cleaning.

The splashproof Supply Can is low enough to be filled easily. Swinging shelf permits placing the cream can in any position. Speed indicator on the handle tells when the separator is being turned at correct speed. Thickness of the cream can easily be regulated. The sturdy frame of each size is painted red.

No Middleman's Profits in Ward's Low Price

The SATTLEY is made in our own factory and sold direct to you at factory prices. You pay no middleman's profit. Compare the prices on machines of the same capacity sold by your local dealer with those of the SATTLEY and see for yourself that in buying a SATTLEY Cream Separator you save from twenty to forty per cent. Every SATTLEY Cream Separator is furnished complete with bowl brush, tinware brush, disc washing rack, all purpose wrench, cream screw wrench which can also be used as rubber bowl ring cutting screws and Book of Instructions.

We suggest that you take advantage of these astounding low prices and select a cream separator that is large enough to take care of your future increased needs.

Take Advantage of This 30-Day Trial Offer

All SATTLEY Cream Separators are sold on a 30 day trial. This means that if you are not thoroughly satisfied with your machine after using it 30 days, you can write us for shipping instructions and we will refund all your money, including freight charges both ways.

It is easy for you to buy and pay for a SATTLEY Cream Separator on our Easy Payment Plan of $5 down and the balance in 10 equal monthly installments. Once a month after the 30 day trial send us payment until the machine is paid for.

Fill out our Easy Payment Order Blank No. ... on Page 329 and send it to us with your deposit of $5.

Remember that Ward's guarantee always protects you against defects in material or workmanship.

Number 15—Skims About 180 Quarts Milk Per Hour

$44.90
Easy Payment Price
375-Pound Size

Just as easy for you to buy one of these splendid separators as it is to buy a sewing machine. Only $5 down and balance in easy monthly payments. Order No. 289 C 4615—No. 15. Capacity, 375 pounds per hour. Easy Payment Price ... Only $5 with order and balance in easy monthly payments of $4.50 each ... $44.90
Cash Price. Full account with order ... 39.95

Number 17—Skims About 250 Quarts Milk Per Hour

$55.90
Easy Payment Price
500-Pound Size

... 289 C 4617 ...
Easy Payment Price ...
Cash Price ... $49.89

Number 19—Skims About 375 Quarts Milk Per Hour

$65.90
Easy Payment Price
750-Pound Size

... 289 C 4619 ...
Easy Payment Price ...
Cash Price ... $59.89

Separator Bowl Rings

In ordering Bowl ... state ... Bowl ... Bowl ... Bowl

$5.00 Down — SATTLEY Power and Electric Separators

Skims More Milk in Less Time

ElectricDrive Separator
$61.50
Cash Price
180-Quart Size

Try It for 30 Days

Same Equipment Furnished That Is Included with the Hand Separators

Use Easy Payment Order Blank No. 2 on Page 697

Hand or Power Separator
$48.95
Cash Price
180-Quart Size

Try It for 30 Days

Use Easy Payment Order Blank No. 2 on Page 697

Same Equipment Furnished That Is Included with the Hand Separators

Electric Motor Drive

Engine Drive

Every Separator Is Tested

State Voltage and Kind of Current

For Electric Company Power

For Farm Power Lighting Outfit

Shipped from Springfield Ill.

Shipped from Springfield Ill.

SATTLEY Bench Separators

$19.95
Cash Only
150-Pound Size

$29.85
Cash Only
300-Pound Size

409 C 4609 — $19.95 — 409 C 4610 — $29.85

The Blue Ribbon Electric Milker

Increases Milk Production

Will Soon Pay for Itself

$170.00 Cash Only

209 C 4600 — $170.00

Shipped from Factory in Chicago

Save Money-Buy Your Farm Equipment Direct from Ward's

$2.15 Adjustable Steel Stanchion

187 C 4771 — $2.18

187 C 4773

Stanchion Anchors

187 C 4792 — 15c

187 C 4793 — 25c

100 Foot Straightaway Carrier Outfit

Moderately priced litter carrier outfit for stables or dairy barns. Put it up yourself. Complete with 4 trips to buy.

Special Low Price

Actual size of Steel Rod Track shown at left

Rod Track Hanger

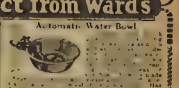
Steel Rod Track

Tension Bolts

$26.50

2 Bushel Lapless Bowl

Automatic Water Bowl



97 C 4805 — $2.39

Sanitary Steel Stalls

$7.50 With Lowered Steam Chain

207 C 4785 — $7.95

207 C 4786 — $7.95

207 C 4725 — 95c

207 C 4748 — 85c

207 C 4787 — $7.95

$3.25

Lend This Catalogue to Your Neighbors

SHEEP AND GRASS SHEARS

FULL POLISHED SHEEP SHEARS

Full hollow ground blades with heavy beveled edges, full polished; bows are extra strong with double springs.
No. V63—6 in. blades, weight per dozen 11 lbs. ..... Per dozen **$54.00**
One half dozen in a box.

CHEROKEE

Forged from bars of selected analysis crucible steel, half polished, swaged bent blades
Cherokee—6½ inch blades, weight per dozen 11 lbs. ..... Per dozen **$12.00**
One half dozen in a box.

TROWEL SHANK

Swaged steel blades, half polished; trowel shank; large full pattern bow.
No. 020—5⅛ inch blades, weight per dozen 11 lbs. ..... Per dozen **$24.00**
One half dozen in a box.

GRASS SHEARS

Forged steel blades with full polished edges; green enameled handle and spring
No. V2—6 in. blades, weight per dozen 8½ lbs... ..... Per dozen **$18.00**
One half dozen in a box.

Cutlery steel blades with trowel shank; green enameled spring, polished handle and edge
No. V52—6 in blades, weight per dozen 10 lbs... ..... Per dozen **$21 75**
No. V31—6 in. blades, with red enameled spring and inside of blades finished in blued steel, top of blades with wale edge full polished, weight per dozen 9 lbs..... Per dozen **19.50**
One half dozen in a box.

CLIPPING MACHINE HEADS

As Supplied on All Stewart Horse Clipping Machines Since Jan. 1, 1915

This clipping head can be used only on a horse clipping machine with square hole in 3 inch ferrule of flexible shaft.
No. B1—Cutting handle and knife, weight 16 oz... ..... Each **$4.50**
No. B2—Clipping knife, without handle, weight 5 oz... ..... Each **3.50**
No. B3—Clipping handle only, weight 11 oz. Each **1.50**

HORSE CLIPPING MACHINES

STEWART NO. 1 BALL BEARING ENCLOSED TYPE

Has a rigid base tubular upright; gears all cut from solid metal and enclosed in dustproof metal box, all wearing parts are of hardened steel, latest style, light, easy running flexible shaft, 6 feet long, and the famous Stewart single tension clipping head; compact –can be carried in a satchel or handled as shelf goods. Size of shipping box only 6x11x12½ inches.

No. 1 Stewart—Weight 36 lbs., complete....Each **$14.00**

*SHEEP SHEARING MACHINES

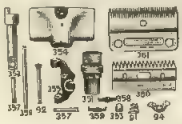
STEWART NO. 9 BALL BEARING

Has substantial tripod base, tubular upright, strong crank and handle, tubular shaft, ball bearing universal joints in shearing shaft, ball bearing No 7 Stewart clipping head, enclosed gear box, gears cut from tool steel, hardened; four sets of knives. These features assist in making a fast, easy running, easily operated machine that will pay owners of even a dozen sheep to use.

No. 9 Stewart—Weight 50 lbs., complete....Each **$24.00**

*EXTRA PARTS FOR STEWART LATEST MODEL SINGLE TENSION CLIPPING HEADS

Always Mention Name and Number When Ordering Parts

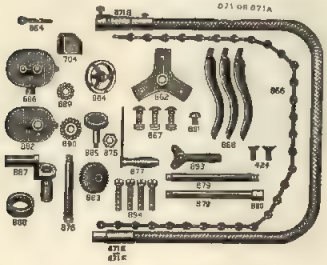


No.	Name of Part	Net Weight, oz.	Each
91	Tension spring	⅛	$0.15
92	Tension bolt	⅛	.10
94	Tension nut	⅛	.10
351	Taper sleeve	2	.50
352	Drive pin	2	.35
353	Drive ball	⅛	.15
354	Brace	5	.75
355	Cross head	1	.50
356	Cross head pin	⅛	.15
357	Guide pins	⅛	.10
358	Ball boss	⅛	.05
359	Socket boss	⅛	.10
360	Top plate	2	1.50
361	Bottom plate	3	2.00
276	Cutter	2	.30
277	Comb	4	1.00

*Not carried in stock; will ship from factory.

CLIPPER ATTACHMENTS AND PARTS

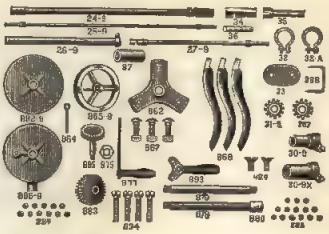
EXTRA PARTS FOR NO. 1 MACHINES



No.		Net Weight	Price Each
424	Grip handle screws (2 used)	¾ oz	$0.05
704	Gear cap (covers cogs in gear head)	5½ oz.	.75
862	Leg bracket	41 oz.	.75
864	Cotter pin	¼ oz.	.02
866	6 ft. chain for shaft	1 lb.	3.00
867	Bracket bolt and nut	2 oz.	08
868	Legs (3 used)	30 oz.	.50
871	6 ft. shaft without chain (old style)	39 oz.	3.50
871-A	6 ft. shaft without chain (new style)	39 oz	3.50
G897	Shaft and chain complete for C-1 clipping head	3½ lbs.	6 50
G898	Shaft and chain complete for B-1 clipping head	3½ lbs.	6 50
875	Hexagon nut for crank	½ oz.	.05
876	Eye spindle	4 oz	.55
877	Crank handle complete	12 oz.	.75
879	Either section of upright	17 oz.	.60
880	Coupling for upright (⅝ in.)	3 oz	.30
882	Gear case cover (depth ⅝ in.)	27 oz.	1.00
883	Intermediate gear and pinion	12 oz	2.50
884	Balance wheel and spindle	22 oz	1.50
884-A	Spindle for balance wheel	3½ oz	.50
885	Drive gear and spindle	19 oz	2.00
886	Gear case	50 oz	1.50
887	Gear head	20 oz.	1.75
888	Balls and ball cup	1 oz.	35
889	Small cog	1 oz	.50
890	Large cog	1½ oz.	.60
891	Gear cap screw	1/16 oz.	.05
893	Grip handle	11 oz.	.35
894	Gear case screw	1 oz.	.05
871-E	3 in. ferrule for old style No. 871	4 oz.	35
871-F	3 in. ferrule for new style No. 871-A	4 oz.	35
871-B	5 in. ferrule for 871 or 871-A shaft	13 oz.	.50
871-C	Thumb screw for 871-B ferrule	1 oz.	.20
871-D	Set screw for 871-B ferrule	⅛ oz.	.05

SHEEP SHEARING MACHINE PARTS

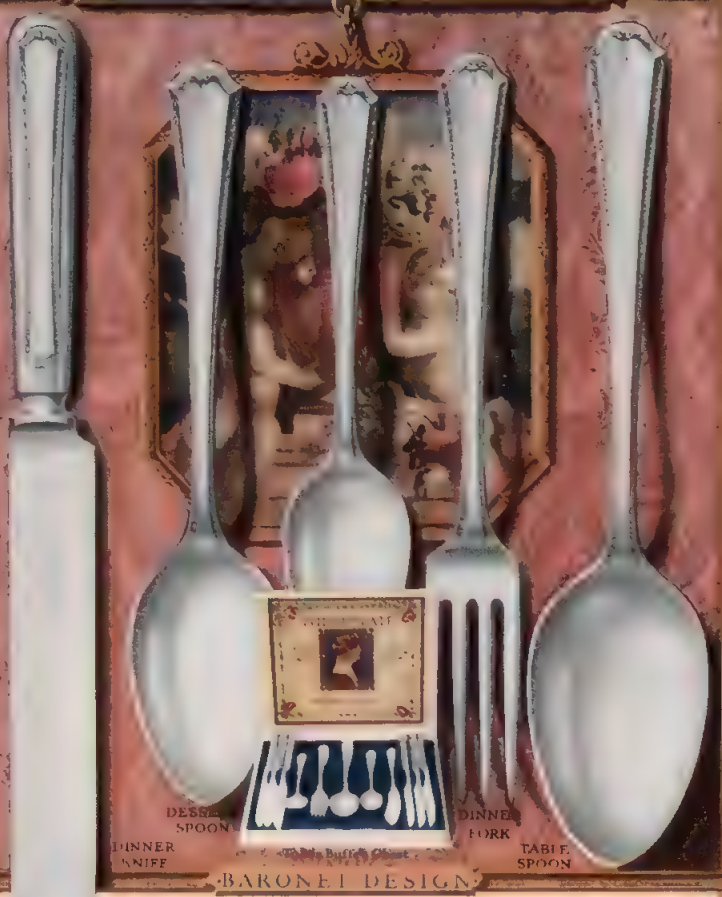
EXTRA PARTS FOR NO. 9 MACHINES



No.		Net Weight	Price Each
24-9	Long tube, complete	14 oz	$2.00
24-9A	Upper ferrule for long tube	3 oz.	35
25-9	Long spindle, complete	13 oz	2.50
26-9	Short tube (length 15 in.)	8 oz	1.50
27-9	Short spindle, complete	6 oz.	1.00
30-9	Upper yoke	5 oz.	1.50
30-9X	Yoke for shaft	5 oz.	1 50
31-9	Cog	1 oz.	.50
32	Upper tube clamp	1 oz	35
32-A	Lower tube clamp	1 oz	.35
33	Leather guard for middle joint	2 oz	.25
33-B	Hook for leather guard	1 oz	.02
34	Bayonet ferrule	2 oz	35
34-A	Pin for No. 34 ferrule (not illustrated)	1/16 oz	05
35	End of long or short spindle	2 oz.	.35
36	Connecting pin	1/16 oz	05
37	Back bushing for balance wheel spindle	1 oz.	.20
267	Cog	1 oz	.50
284	Set of ball bearings for spindles	¼ oz	.40
285	Set of ball bearings for gears	¼ oz	.50
424	Grip handle screw (2 used)	⅛ oz	05
862	Leg bracket	41 oz	.75
864	Cotter pin	¼ oz	.02
865-9	Balance wheel and spindle	40 oz.	1 75
867	Bracket bolt and nut	2 oz.	08
868	Legs (3 used)	30 oz.	.50
875	Hexagon nut for crank	½ oz.	.05
877	Crank handle, complete	12 oz.	.75
879	Either section of upright	17 oz.	.60
880	Coupling for upright (⅝ in.)	3 oz.	30
882-9	Gear case cover (dia. 7⅛ in., depth ⅝ in.)	49 oz.	1 00
883	Intermediate gear and pinion	12 oz.	2 50
884-A	Spindle for balance wheel	3½ oz	.50
885	Drive gear and spindle	19 oz	2.00
886-9	Gear case	65 oz.	1 50
893	Grip handle	11 oz.	.35
894	Gear case screw	1 oz.	05
X42	Middle ball bearing joint for shaft, assembled	15 oz.	4 50
X43	Top ball bearing joint for shaft assembled	13 oz.	4.00
X44	Complete ball bearing jointed shaft	5 lbs	8.50
G2268	Special short tube for using a shear other than the No. 7 Ball Bearing, on the No. 9 machine.	8 oz.	1 50

John V. Farwell Company
CHICAGO

TUDOR PLATE ONEIDA COMMUNITY MADE



BARONET DESIGN

20 YEAR
REPLACEMENT GUARANTEE

(Bright or Lace Finish)

SPOONS
SIX IN BOX

FORKS—SIX IN BOX

CHEST BUFFET 2[illegible] with

KNIVES (Plated Blades)

KNIVES (Stainless Blades)

ONEIDA COMMUNITY, LTD.
COMPANY OF SILVERWARE MAKERS

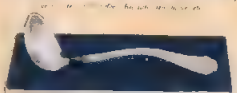
TUDOR PLATE—ONEIDA COMMUNITY MADE

39650 SUGAR SPOON . . . . *each* $ .94

39652 BUTTER KNIFE . . . . . *each* $ 94
39729 BUTTER KNIFE AND SUGAR SPOON . . . *set* 1 88

39641 ORANGE OR GRAPEFRUIT SPOONS . . . *set* $3 76

39629 ICED TEA OR ICED DRINK SPOONS . . . *set* $4 08



39717 SERVING OR GRAVY LADLE . . . . . *each* $1.88
39715 SALAD DRESSING OR SAUCE LADLE . . *each* 1.26
39721 MEDIUM SOUP LADLE . . . . . *each* 5.00

STAINLESS CARVING SET

39728 2-PIECE HOLLOW HANDLE . . . . . *set* $8.00

MISCELLANEOUS

39619	OYSTER OR SEAFOOD FORKS	*set*	$4.06
39622	BOUILLON OR CONSOMME SPOONS.	*set*	4 38
39646	PICKLE OR OLIVE FORK . . .	*each*	1 26
39625	AFTER DINNER COFFEE SPOON	*set*	2 50
39610	5 O'CLOCK TEA OR SHERBET SPOONS	*set*	2 50
39483	JAM SPOON	*each*	94
39657	ICE CREAM OR SUNDAE SPOONS	*set*	3 76
39708	SUGAR TONGS	*each*	1 26
39623	JELLY SERVER	*each*	1 26
39698	PIERCED ROUND SERVER	*each*	2 50

BABY'S AND CHILD'S SETS

In the cut-lined box

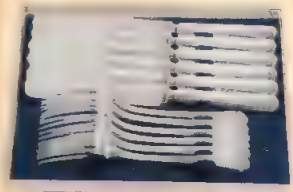
39619	BABY'S SPOON, BENT HANDLE	*set*	$0 82
39624	BABY'S SPOON, STRAIGHT HANDLE	*each*	.82
39628	BABY'S FORK	*each*	.82
39658	BABY'S SET WITH BENT H. SPOON	*set*	1 64
39566	BABY'S SET WITH S. H. SPOON	*set*	1 64
39	3-PIECE CHILD'S SET	*set*	2 50

39669 BUTTER SPREADERS . . . . . *set* $5.32
Individual

39688 SALAD FORKS . . . . . *set* $5 94
Individual

39667 COLD MEAT OR SERVING FORK . . . *each* $1.56
39668 SMALL COLD MEAT OR SARDINE FORK . *each* 1 26

39620 BERRY OR SERVING SPOON . . . . *each* $2 50



KNIFE AND FORK SETS

		With Plated Blade Knives	Per Set
39803	EMB. H. DINNER KNIVES AND FORKS		$ 8 30
39804	EMB. H. DESSERT KNIVES AND FORKS		8 12
39742	H. H. DINNER KNIVES AND FORKS		14 40
39743	H. H. DESSERT KNIVES AND FORKS		14 52
		With Stainless Blade Knives	
3654	EMB. H. DINNER KNIVES AND FORKS		$12 84
39568	H. H. DINNER KNIVES AND FORKS		16 68
39599	H. H. DESSERT KNIVES AND FORKS		15 74

STANDARD 26-PIECE CHESTS

With Drawer

In Mahogany or Oak Finish at Same Price

39860	WITH EMBOSSED DINNER KNIVES . .	$18 88
39896	WITH EMBOSSED DESSERT KNIVES. . .	18.50
39859	WITH HOLLOW H. DINNER KNIVES	25.78

CORRECT SERVICE PIECES

Office Mail Bags

Nos. 1 to 6, inclusive, are made entirely of leather as shown in illustration.

Nos. 7 to 12, inclusive, have canvas bodies with leather bottom and leather welt on each side.

Locks furnished on any of the above bags at an additional cost of 25c per bag.

All Leather			Canvas and Leather	
Size, Inches	No.	Price Each	No.	Price Each
10x13	1	$ 8.00	7	$ 6.50
12x15	2	9.00	8	7.50
14x17	3	10.50	9	8.00
15x20	4	12.00	10	9.50
16x24	5	14.00	11	11.00
18x26	6	15.00	12	12.00

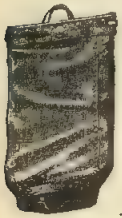
Parcel Post Mail Sacks

Same as used by U. S. Government in mail service. Extra heavy white duck with patent metal fastener.

No. 1. 30x40 inches.
Each.....$3.75

No. 2. 36x48 inches.
Each..... 4.50

Regulation Mail Pouches



Made the same as those of the U. S. Government Postal Service. Very durable.

No.	Size Inches	Price Each	
		All Leather	Canvas with Leather Bottom
20	16x26	$17.00	$13.00
21	18x30	20.00	15.00
22	20x36	22.50	17.00
23	24x42	25.00	19.50
24	30x48	31.00	21.50

Office Mail Bag

A compact bag of rugged construction, designed for rapid handling of small quantities of mail. No lock.

No. 13. 10x10 inches.

Each.....$4.50

Inter-Department Bags

A new type of bag that has proven of unusual service where current papers must be kept sorted.

The messenger going from one place of business to another or from department to department keeps incoming and outgoing matter always in order.

Slow search through the entire lot of mail to find the desired papers is eliminated—the separately consigned papers go in their respective divisions.

Bags are made of strong canvas with edges bound. Each bag equipped with shoulder and lock straps.

No.	Pockets	Price Each
501	10	$10.00
502	15	12.00
503	20	14.00

Messenger Satchels With Lock

For carrying money, jewelry, valuable papers or parcels. Hand made steel frame, heavy white cotton duck upper, with lower sides and base of grain leather. Heavy leather handles and strong lock.

No.	Size Frame Inches	Price Each Including Lock
62	14	$4.50
63	16	4.90
64	18	5.25
65	20	6.00
66	22	6.75
67	24	7.10

Bond Bags

Sturdy of construction and adapted to many uses.

Heavy steel frame, leather covered. Sides are of canvas, with leather base and bottom. Pocket on inside.

No. 53	14 inches long.	Each	$6.75
No. 54	16 inches long.	Each	7.10
No. 55	18 inches long.	Each	8.25
No. 56	20 inches long.	Each	8.65
No. 57	22 inches long.	Each	9.00
No. 58	24 inches long.	Each	9.75

Haversacks

Roomy, Serviceable

Bags for carrying parcel post packages, samples, etc.

Made of white or colored cotton duck, well sewed and leather bound.

No. 70. 14 inches long.
Each..... $3.50

No. 71. 16 inches long.
Each..... 4.00

No. 72. 18 inches long.
Each..... 4.50

Carry-All Bags

Made of brown cotton duck and leather bound with leather handles.

Nos. 16 and 17 have leather flap with strap to lock

No.	Material	Size Inches	Price Each
15	10 oz. Duck	20x27	$ 7.00
16	24 oz. Duck	22x31	11.00
17	24 oz. Duck	24x36	13.50

Shell Bags

Regulation style with shoulder strap and piece.

No.	Material	Capacity Shells	Price Each
130	8 oz. Duck	50 to 100	$2.25
131	10 oz. Duck	50 to 100	3.00
132	10 oz. Duck	100 to 200	3.75
133	15 oz. Army Duck	50 to 100	3.75
134	Russet Grain Leather	50 to 100	6.00

Masons' Tool Bags

Made of heavy duck and lock-stitched with strong twine. Cannot rip unless every thread is cut. Has steel frame, leather handles and lock with key.

Without Pocket			With Pocket		
No.	Size Inches	Each	No.	Size Inches	Each
80	14	$2.00	101	14	$2.15
81	16	2.20	102	16	2.35
82	18	2.40	103	18	2.60
83	20	2.70	104	20	2.95
84	22	3.00	105	22	3.35
85	24	3.35	106	24	3.70

Linemen's Tool Bags

Will Stand Rough Handling

Made of heavy canvas, sewed to a steel frame with leather base—heavy straps over top.

No.	Size Inches	Each	No.	Size Inches	Each
86	14	$4.00	89	20	$5.35
87	16	4.40	90	22	6.00
88	18	4.80	91	24	6.65

Parcel Post Mailing Bags

Approved By Postal Service

The handiest and most practical parcel post carrier made. Closely woven sheeting with strong draw string at top and address tag at bottom of bag.

Size	Price per 100 With Plain Tags	Price per 1000 With Plain Tags
3 x 4	$2.50	$22.50
3½ x 5	2.75	24.75
4½ x 6	3.35	30.15
5 x 7	3.50	31.50
5 x 8½	3.80	34.20
5½ x 10	4.30	38.70

Tags printed with your name and address, $4.00 per thousand extra. For less than 1,000 printed tags, $4.00. Special sizes to order.

Leather Portfolios

For carrying Mail, Documents or other valuables Carefully made of Tine Tan Grained Calf-skin.

No. 260.

Each $6.50

Letter Carriers' Satchels

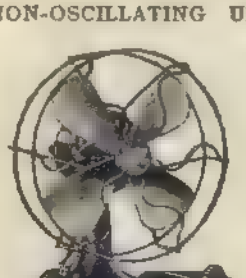
Made of leather or colored canvas.

Size, 15x16 inches.

No.	Material	Price Each
40	Leather	$16.00
41	Canvas	$12.00

WESTERN ELECTRIC FANS

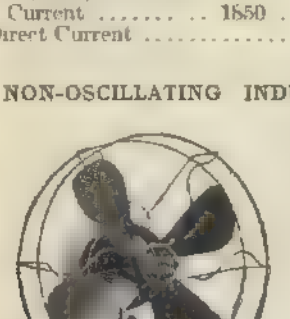
EIGHT-INCH NON-OSCILLATING UNIVERSAL FAN



Eight-Inch Non-Oscillating Universal Fan. Alternating and direct current. Four blades, cast iron frame 110-120 volt universal motor, hinge joint for desk or bracket position, switch in base for starting and stopping, giving operating positions for AC and DC. Will operate on any DC circuit 100 to 120 volts and any AC circuit 100 to 120 volts on 25 to 60 cycles. A low-priced fan for homes and small offices, but of standard Western Electric Quality throughout, and should not be confused with the many low-priced cheaply constructed small fans on the market. Price includes separable plug and 8 feet of black new code reinforced cord attached to base of fan. The fan as listed for 110 volts will operate on all of the circuits mentioned without any appreciable variation in speed. Watts: 110 volts on A.C. position, 35; 110 volts on D.C. position, 35; 32 volts D. C., 35.

No.	Volts	Circuits on which Fan will operate	Speeds R.P.M. Switch Position A.C.	D.C.	Each
7704	110	25, 30, 40, 50 and 60 Cycles Alternating Current, and Direct Current	1850	1950	$10 00
7707	32	Direct Current		1950	10 00

EIGHT-INCH NON-OSCILLATING INDUCTION FAN



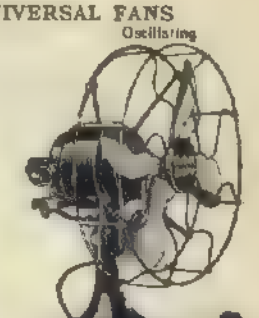
Eight-Inch Non-Oscillating Induction Fan. The alternating current induction type fan has pressed steel motor body and base, the latter felt covered and of large diameter, self starting single speed induction type motor, rigid six arm walnut guard, wick oilers, front and rear pressed steel one-piece blades. Motor body, base and guard are finished in black enamel; blades are black satin finish. This fan is built in only one size, for operation on 110 volt, 60 cycle alternating current circuit. Price includes separable plug and 8 feet of black new code reinforced cord attached to base of fan. Watts on 110 volts, 60 cycle, A. C., 30.

No.	Volts	Circuits on which Fan will operate	Speeds R. P. M.	Each
8100	110	60 Cycles Alternating Current	1550	$10 00

NINE-INCH UNIVERSAL FANS

Non-Oscillating

Oscillating



Nine-Inch Universal Fan. Alternating and direct current. Series type, 100-120 volt universal motor, hinge joint for desk or bracket position, switch in base. 110-volt fans will operate on any D. C. circuit 100 to 120 volts, and any A. C. circuit 25 to 60 cycles, 100 to 120 volts. The fans as listed for 110 volts will operate on all circuits mentioned without appreciable variation in speed. Watts on A. C.—High speed, 35; second speed, 30; low speed, 27. Watts on D. C.—High speed, 45; second speed, 35; low speed, 40.

Non-Oscillating Fans

No.	Volts	Circuits on which Fan will operate	Speeds R. P. M. 1	2	3	Each
6000	110	25, 30, 40, 50 and 60 Cycle A. C. and Direct Current	1850 A.C. to 2200 D.C.	1500 A.C. to 1750 D.C.	1100 A.C. to 1400 D.C.	$15 00
6002	220	60 Cycles A.C.	1850	1500	1100	17 00
6003	32	Direct Current	1850	1500	1100	15 00
6004	220	Direct Current	1850	1500	1100	17 00

Oscillating Fans

No.	Volts	Circuits on which Fan will operate	Speeds R. P. M. 1	2	3	Each
7600	110	25, 30, 40, 50 and 60 Cycle A. C. and Direct Current	1850 A.C. to 2200 D.C.	1500 A.C. to 1750 D.C.	1100 A.C. to 1400 D.C.	21 00
7602	220	60 Cycles A. C.	1850	1500	1100	23 00
7603	32	Direct Current	1850	1500	1100	21 00
7604	220	Direct Current	1850	1500	1100	23 00

Add $1 00 to price of 110 volts, for any voltage between 110 and 220 volts except 32 volts. Add $1 00 to price of 220 volts, for 235 or 250 volts. Special voltages between 110 and 220 volts, same price as 220 volts.

TEN-INCH OSCILLATING FAN

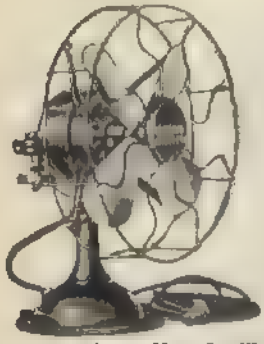
Ten-Inch Oscillating Fan. Alternating current. Induction type motor, adjustable oscillating mechanism, hinge joint for desk or bracket position. 110 volt and 220 volt 50 cycle fans are the same price as 60 cycle fans.

No.	Volts	Cycles	Watts	Speeds R. P. M. 1	2	3	Each
8204	110	60	.32, 26, 22	1530	1300	1100	$21 00
8205	220	60	.32, 20, 22	1530	1300	1100	22 50

WESTERN ELECTRIC FANS

TWELVE-INCH NON-OSCILLATING FANS

Desk Position



Wall Bracket Position

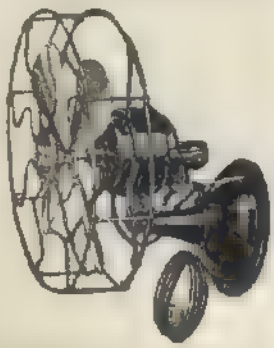
Twelve-Inch Non-Oscillating Fan. Alternating current. Four blades, three speeds, drawn steel frame, non-oscillating, inductor type, trunnion joint for desk or bracket mounting and swivel to turn blades in any horizontal direction, base felt covered and of large diameter to prevent tipping. Bearing bushings, oil cups, switch base, blades, guards and other details interchangeable with other 12-inch fans shown. Price includes separable plug and 8 feet of black new code reinforced cord attached to the base of the fan. The watts are as follows for high, second and low speed respectively: 12-inch, 25-30 cycles—50, 42, 35; 12-inch, 110 volt, 60 cycles—46, 37, 33; 220 volts, 60 cycles—46, 37, 33. All 115 volt, 40 cycle fans are the same price as 110 volt 25-30 cycle fans. All 110 volt and 220 volt, 50 cycle are the same price as the 110 volt and 220 volt, 60 cycle fans.

No.	Volts	Cycles	Speeds R. P. M. 1	2	3	Each
7400	100–120	*25–30	1500	1275	1125	$24 50
7404	110	60	1550	1350	1250	23 50
7405	220	60	1550	1350	1250	25 00

TWELVE AND SIXTEEN-INCH OSCILLATING FANS

Desk Position

Wall Bracket Position



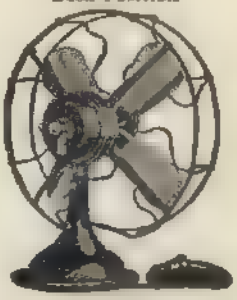
Twelve and Sixteen-Inch Oscillating Fan. Induction type. Standard oscillating mechanism. Similar in design to 12-inch Non-Oscillating fans. The watts are as follows for high, second and low speeds respectively: 12-inch, 25-30 cycles—55, 47, 40; 12-inch, 110 volt, 60 cycles—48, 38, 34; 220 volt, 60 cycles—48, 38, 34; 16-inch, 25-30 cycles—75, 65, 55; 16-inch, 110 volt, 60 cycles—78, 66, 60; 220 volt, 60 cycles—78, 66, 60. All 115 volt, 40 cycle fans are the same price as 110 volt, 25-30 cycle fans.

No.	Volts	Cycles	Speeds R. P. M. 1	2	3	Each
7800	100–120	*25–30	1175	1250	1100	$31 00
7804	110	60	1550	1350	1250	30 00
7805	220	60	1550	1350	1250	31 50
	Sixteen-Inch Oscillating Fan					
7850	100–120	*25–30	1450	1225	1100	$36 00
7854	110	60	1500	1250	1075	35 00
7855	220	60	1500	1250	1075	36 50

*The 25-30 cycle fans are series type.

TWELVE-INCH NON-OSCILLATING FANS

Desk Position



Wall Bracket Position

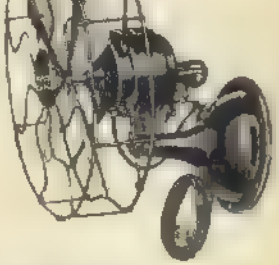
Twelve-Inch Non-Oscillating Fan. Direct current. Four blades, three speeds, drawn steel frame, series type, trunnion joint for desk or bracket mounting, swivel to turn blades in any horizontal direction, base felt covered and of large diameter to prevent tipping. Similar to 12-inch Alternating Current fans, and bearings, oil cups, switch base, blades, guard and other important parts are interchangeable. Through the use of drawn steel parts, the fan is very light in weight; 15 pounds for 12-inch size, yet is easily portable but very rugged. Price includes a separable plug and 8 feet of black new code reinforced cord attached to base of fan. The watts are as follows for high, second and low speeds respectively: 12-inch, 32, 110 and 220 volts—44, 38, 34.

No.	Volts	Speeds R. P. M. 1	2	3	Each
6400	32	1550	1300	1100	$23 50
6401	110	1550	1300	1100	23 50
6402	220	1550	1300	1100	26 00

TWELVE AND SIXTEEN-INCH OSCILLATING FANS

Desk Position

Wall Bracket Position



Twelve and Sixteen-Inch Oscillating Fan. Standard oscillating mechanism. Similar in design to 12-inch Direct Current Non-Oscillating fans and to Alternating Current Oscillating and Non-Oscillating fans. The watts are as follows for high, second and low speeds respectively: 12-inch, 110 volts—46, 40, 35; 32 and 220 volts—46, 40, 35; 16-inch, 110 volts—59, 52, 47; 32 and 220 volts—59, 52, 47.

Twelve-Inch Oscillating Fan

No.	Volts	Speeds R. P. M. 1	2	3	Each
7900	32	1550	1300	1100	$30 00
7901	110	1550	1300	1100	30 00
7902	220	1550	1300	1100	32 50
	Sixteen-Inch Oscillating Fan				
7950	32	1500	1250	1075	$35 00
7951	110	1500	1250	1075	35 00
7952	220	1500	1250	1075	37 50

Add $1 00 to price of 110 volts for any voltage between 20 and 110 volts (except 32).

Add $1.00 to price of 220 volts for 235 or 250 volts. Special voltages between 110 and 220 volts same price as 220 volts.

WRENCHES

WILLIAMS DISPLAY BOARDS

STYLE C

STYLE C

GENERAL ASSORTMENT

Size, 8x27 inches; weight of board and 30 wrenches, 16 lbs. Ten sizes—three of each size.

Engineers' Wrenches—15° Angle, Double Head

3 each size, No.	For U. S. std. nuts, size bolts	For hex. head cap screws, diam. screws	For S. A. E. std. nuts and cap screws, size bolts	Openings milled	Extreme length	Thickness heads	Semi-finished, each
		Dimensions in inches					
21	1/8 and 3/16	5/16		1/4 and 11/32	3 1/2	7/32	$ 0.34
23	3/16 and 1/4		1/4	11/32 and 1/2	4	1/4	.42
25	1/4 and 5/16	3/8	5/16	1/2 and 19/32	4 7/8	9/32	.50
27	5/16 and 3/8			19/32 and 11/16	5 3/8	5/16	.62
29	3/8 and 7/16			11/16 and 25/32	6 3/8	11/32	.74
31	7/16 and 1/2	7/16	3/8	25/32 and 7/8	7 3/8	3/8	.90
34	1/2 and 5/8	5/8	7/16 and 3/4	7/8 and 1 1/16	9 3/4	1/2	1.30

Light Service "S"—22½° Angle, Double Head

3 each size, No.	For U. S. std. nuts, size bolts	For hex. head cap screws, diam. screws	For S. A. E. std. nuts and cap screws, size bolts	Openings milled	Extreme length	Thickness heads	Semi-finished, each
		Dimensions in inches					
75-A	1/4	7/16 and 1/2	7/16	3/8 and 1/2	6 1/4	1/4	$ 0.54
79-C		7/16 and 1/2	7/16 and 1/2	5/8 and 3/4	8 1/4	1/4	.86
83-B	1/2	5/8 and 3/4	7/16 and 1/2	7/8 and 1	10 3/8	1/2	1.40
Complete Wrench Assortment "C"							$23.04

STYLE D

AUTOMOTIVE ASSORTMENT

Size, 15x24 inches; weight of board and 84 wrenches, 41 lbs. Fourteen sizes—six of each size.

Check Nut, or "Thin" Wrenches—15° Angle, Double Head

6 each size, No.	For U. S. std. nuts, size bolts	For hex. head cap screws, diam. screws	For S. A. E. std. nuts and cap screws, size bolts	For set screws, size	Openings milled	Extreme length	Semi-finished, each
		Dimensions in inches					
623-D	1/4	1/4 and 7/16	1/4 and 7/16	1/8 and 1/8	7/16 and 1/2	4 3/4	$ 0.50
626-S		3/8 and 7/16	3/8 and 7/16	7/16 and 5/8	7/16 and 5/8	5	.64
627	5/16 and 3/8			11/32 and 11/32	6		.64
630-E	1/2	1/2 and 5/8	1/2 and 5/8	3/4 and 7/8	3/4 and 7/8	7 1/2	.80
632	7/16 and 1/2			29/32 and 29/32	8 3/4		1.12
632-A		3/4	5/8 and 11/16	1	11/16 and 1	8 3/4	1.12

STYLE D

Engineers' Wrenches—15° Angle, Double Head

STYLE E

6 each size, No	For U. S. std. nuts, size bolts	For hex head cap screws, diam screws	For S. A. E. std. nuts and cap screws, size bolts	For set screws, size	Openings milled	Extreme length	Semi-finished, each
		Dimensions in inches					
21	1/8 and 3/16	5/16		1/8	1/4 and 11/32	3 1/2	$ 0.34
23	3/16 and 1/4		1/4		11/32 and 1/2	4	.42
725	1/4	1/4 and 5/16	1/4 and 5/16	1/8 and 1/8	7/16 and 1/2	4 7/8	.50
27	5/16 and 3/8				19/32 and 11/16	5 3/8	.62
727		3/8 and 7/16	3/8 and 7/16	5/16 and 5/16	7/16 and 5/8	5 7/8	.62
731-A	1/2	1/2 and 5/8	1/2 and 5/8	3/4 and 7/8	3/4 and 7/8	7 7/8	.90
32	7/16 and 1/2				29/32 and 29/32	8 3/4	1.10
33-C		3/4	5/8 and 11/16	1	11/16 and 1	8 3/4	1.10
Complete Wrench Assortment "D"							$62.52

STYLE E

GENERAL ASSORTMENT

Size, 8x27 inches; weight of board and 36 wrenches, 14 lbs. Twelve sizes—three of each size.

Engineers' Wrenches—15° Angle

3 each size, No	For U. S. std. nuts, size bolts	For hex. head cap screws, diam. screws	For S. A. E. std. nuts and cap screws, size bolts	Openings milled	Extreme length	Thickness heads	Semi-finished each
		Dimensions in inches					
23	3/16 and 1/4	5/16	5/16	11/32 and 1/2	4	1/4	$ 0.42
725	1/4	1/4 and 5/16	1/4 and 5/16	7/16 and 1/2	4 7/8	5/16	.50
725-B	1/4	5/16 and 3/8	5/16 and 3/8	1/2 and 5/8	4 7/8	5/16	.50
25	1/4 and 5/16	5/16	5/16	1/2 and 11/32	4 7/8	5/16	.50
727		3/8 and 7/16	3/8 and 7/16	5/8 and 5/8	5 7/8	3/8	.62
27	5/16 and 3/8			11/32 and 11/32	5 7/8	3/8	.62
29	3/8 and 7/16			11/32 and 29/32	6 7/8	11/32	.74
731-A	1/2	1/2 and 5/8	1/2 and 5/8	3/4 and 7/8	7 7/8	1/2	.90

Continued on page 225

WRENCHES

WILLIAMS DISPLAY BOARD[illegible]

STYLE E—(CO[illegible]TINUED)

(For description and d[illegible], see page 224)

STYLE F

Light Service "B" Wre[illegible]hes—22½° Angle

3 each size, No.	For U. S. std. nuts, size bolts	For hex. head cap screws, diam. screws	For S. A. E. std. nuts and cap screws, size bolts	Openings milled	Extreme length	Thickness, heads	Semi-finished, each
		Dimensions in inches					
75-B		7/16 and 1/2	7/16	[illegible]and 1/2	6 1/4	1/4	$ 0.54
77-B	1/4	1/2 and 9/16	1/2 and 3/8	[illegible]and 5/8	7 1/4	5/16	.68
79-C		5/8 and 3/4	5/8 and 1/2	[illegible]and 3/4	8 1/4	3/8	.86
81-A	1/2	1/2 and 5/8	1/2 and 5/8	[illegible]and 7/8	9 1/4	3/8	1.10
Complete Wrench Assortment "E"							$23.94

STYLE

GENERAL ASSO[illegible]TMENT

Size, 8x27 inches; weight of boar[illegible] and 36 wrenches, 13 lbs.

Twelve sizes—three[illegible] each size

Engineers' Wrenche[illegible]—15° Angle

3 each size, No.	For U. S. std. nuts, size bolts	For hex. head cap screws, diam. screws	For S. A. E. std. nuts and cap screws, size bolts	O[illegible]	[illegible]nings [illegible]lled	Extreme length	Thickness, heads	Semi-finished, each
		Dimensions in inches						
23	7/16 and 1/2	7/16	7/16	1/2	[illegible]nd 1/2	4	1/4	$ 0.42
725	1/2	1/2	1/2	9/16	[illegible]nd 1/2	4 7/8	5/16	.50
725-B	1/4	1/4 and 7/16	1/4 and 7/16	7/16	[illegible]d 7/8	4 7/8	5/16	.50
25	1/4 and 7/16	7/16	7/16 and 5/8	5/8	[illegible]d 2 1/2	4 7/8	5/16	.50
727		5/8 and 7/16	5/8 and 7/16	11/16	[illegible]d 3/4	5 7/8	7/16	.62
27	7/16 and 5/8			11/16	[illegible]d 1 1/2	5 7/8	7/16	.62
29	5/8 and 7/16			13/16	[illegible]d 2 1/2	6 7/8	1/2	.74
731-A	1/2	1/2 and 5/8	1/2 and 7/16	3/4	[illegible]d 7/8	7 7/8	1/2	.90

Check Nut or "Thin" Wre[illegible]hes—15° Angle

3 each size, No.	For U. S. std. nuts, size bolts	For hex. head cap screws, diam. screws	For S. A. E. std. nuts and cap screws, size bolts	Op[illegible] [illegible]nings [illegible]lled	Extreme length	Thickness, heads	Semi-finished, each
		Dimensions in inches					
023-D	3/4	5/8 and 7/16	3/4 and 7/16	7/16 a[illegible]d 1/2	4 3/4	1/4	$ 0.50
626-S		5/8 and 1/2	5/8 and 1/2	1/2 a[illegible]d 5/8	6	5/16	.64
630-E	1/2	1/2 and 5/8	1/2 and 7/16	5/8 a[illegible]d 7/8	7 1/2	3/8	.80
632-X		5/8	5/8 and 1/2	1/2 a[illegible]d 1	8 3/4	1/4	1.12
Complete Wrench Assortment "F"							$23.58

STYLE H

GENERAL ASSORTMENT

Size, 8x27 inches; weight of board and 36 wrenches, 12½ l[illegible]

Twelve sizes—three of each size.

Engineers' Wrenches—15° Angle

3 each size, No.	For U. S. std. nuts, size bolts	For hex. head cap screws, diam. screws	For S. A. E. std. nuts and cap screws, size bolts	Openings milled	Extreme length	Thickness, heads	Semi-finished, each
		Dimensions in inches					
28	7/16 and 1/4	7/16	7/16	1/2 and 1/4	4	1/4	$ 0.42
725	1/4	1/4 and 7/16	1/4 and 7/16	7/16 and 1/2	4 7/8	5/16	.50
725-B	1/4	7/16 and 5/8	7/16 and 5/8	1/2 and 7/16	4 7/8	5/16	.50
25	1/4 and 7/16	7/16	7/16	1/2 and 11/16	4 7/8	5/16	.50
727		5/8 and 7/16	5/8 and 7/16	7/16 and 5/8	5 7/8	7/16	.62
27	7/16 and 5/8			11/16 and 1/2	5 7/8	7/16	.62
29	5/8 and 7/16			1/2 and 13/16	6 7/8	1/2	.74
731-A	1/2	1/2 and 5/8	1/2 and 7/16	3/4 and 7/8	7 7/8	1/2	.90

Alloy Steel Tappet Wrenches—15° Angle

3 each size, No.	For U. S. std. nuts, size bolts	For hex. head cap screws, diam. screws	For S. A. E. std. nuts and cap screws, size bolts	Openings milled	Extreme length	Thickness, head	Sem.-finished, each
		Dimensions in inches					
90	1/4	1/4 and 7/16	1/4 and 7/16	7/16 and 1/2	6	1/2	$ 1.10
92		5/8 and 7/16	5/8 and 1/2	7/16 and 5/8	7	5/8	1.30
94	1/2	1/2 and 5/8	1/2 and 7/16	5/8 and 7/8	8	3/4	1.50
96		5/8	5/8 and 1/2	7/8 and 1	9 1/4	3/4	1.70
Complete Wrench Assortment "H"							$31.20

STYLE H

John V. Farwell Company
CHICAGO

Wm. Rogers & Son

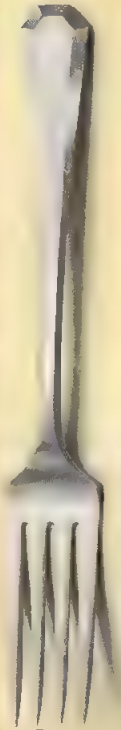
"THE BEST AT THE PRICE"

"Reinforced Plate," or an Extra Deposit of Silver, where the Most Wear Comes

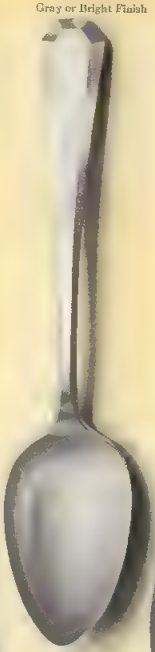
LINCOLN

Gray or Bright Finish

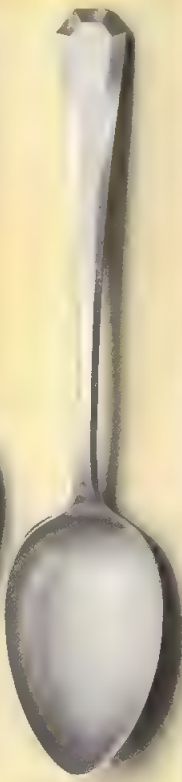
Heavy Plate



Dessert Forks, $7.20 doz.
Medium Forks, 7.60 ,,



Tea Spoons
$4.80 doz



Dessert Spoons, $7.20 doz.
Table Spoons, 7.60 ,,

Triple Plate

Hollow Handles

Medium Knives or Forks $22.50 doz.
Dessert Knives or Forks 21.00 ,,
Breakfast Knives . . . 22.90 ,,
Pack 4 6 in lined box

Solid Handles

Medium Knives or Forks $9.20 doz
Dessert Knives . . 9.00 ,,
Breakfast Knives, Cutlery and Swaged . 9.30

Illustrations actual size. Dessert Knives of own.

H2

INTERNATIONAL SILVER CO.

Wm. Rogers & Son

"THE BEST AT THE PRICE"

LINCOLN

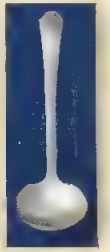
Bright Finish

Cold Meat Fork
Each $1.32

Pickle Fork
Long
Each, $1.20

Butter Knife
Lunch Box
Each, $1.78
Bulk each, $0.6

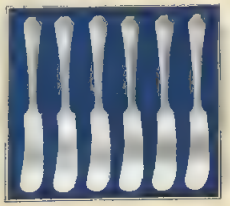
Sugar Shell
Individual box
Each, $0.75
Bulk each, $3.60



Gravy Ladle
Each $1.60
Cream Ladle
Each $1.20

Lazy Spoon
Each $3.12

Individual Salad Forks, set of six, $5.00



Butter Spreaders
Set of six $4.16

Orange Spoons, set of six $3.20

No. 1 Child's Set
$2.12

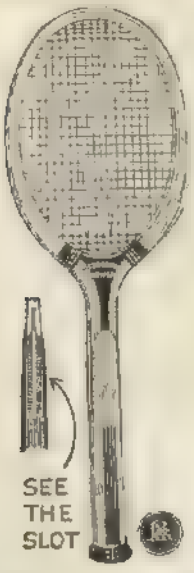
No. [illegible] Set [illegible] $14.
Blue Lined Silver Chest

No. [illegible] Salad Fork and
No. 706 Flat Spoon and Fork
Per set $1.32

All fancy pieces are packed in Blue Lined Gift Boxes

TENNIS RACKETS

LEE DREADNAUGHT DRIVER



Dreadnaught Driver. Has a walnut slotted throat. Frame is ash with beveled edge. Shoulders are heavily reinforced on both sides. Strings are super-quality split lamb gut. Double center strung, main strings white, cross strings red.

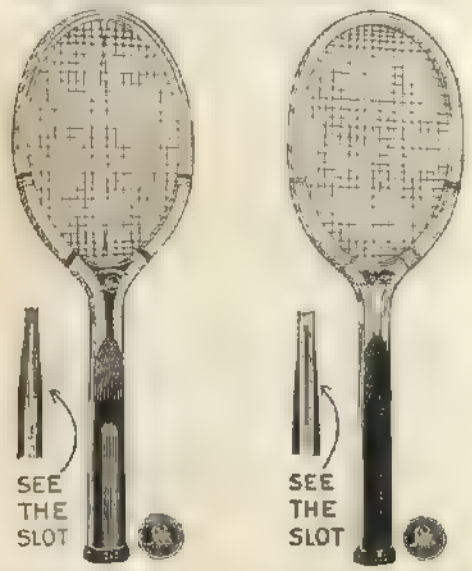
Dreadnaught Driver Tennis Racket ..... each $17 00
With rough side split lamb gut..... " 15 00

GEORGE WRIGHT TENNIS RACKET

George Wright. Strung with Permatite or lamb's gut, if specified; bound with black and red whipping on shoulders. Black laminated throat. Weights: Light, medium and heavy. Handle, 5¼ in.

George Wright Tennis Racket.....each $13 50

LEE MONOGRAM AND BAT RACKETS



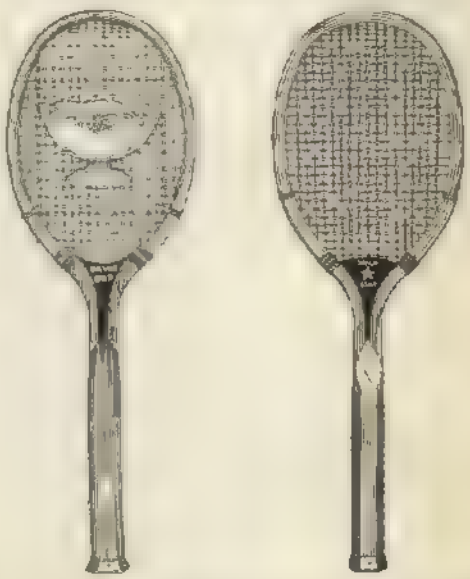
Lee Monogram. Frame is double strip of selected ash, upper part inlaid with rawhide. Both outside and inside of shoulders reinforced with rawhide. Smooth side split lamb gut; semi-grooved handle.

Lee Monogram Tennis Racket.....each $16 00

The Bat. The throat is white hollywood. Bow is beveled inside and out. Shoulders strengthened with African Water Buffalo Hide. Corrugated handle.

With smooth side split lamb's gut ..... each $18 00
With rough side split lamb's gut..... " 15 00

DAVIS CUP AND GOLD STAR RACKETS



Davis Cup. Has laminated concave throat. Strung with superior quality lamb's gut or Permatite if specified. Weights: Light, medium and heavy. Grip, 5¼-in.

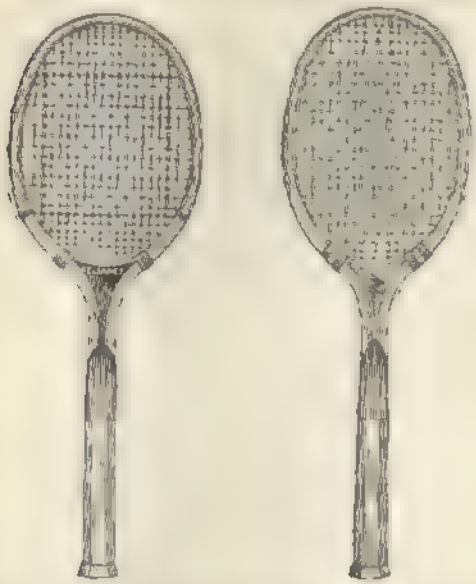
Davis Cup Tennis Racket.....each $13 50

Gold Star. Has long narrow head. 5¼-in. grip entire distance from handle. Has best quality lamb's gut, or Permatite if desired. Green and white binding. Weights: Light, medium and heavy.

Gold Star Tennis Racket.....each $13 50

WRIGHT AND DITSON TENNIS RACKETS

RELIANCE AND ALL AMERICAN RACKETS



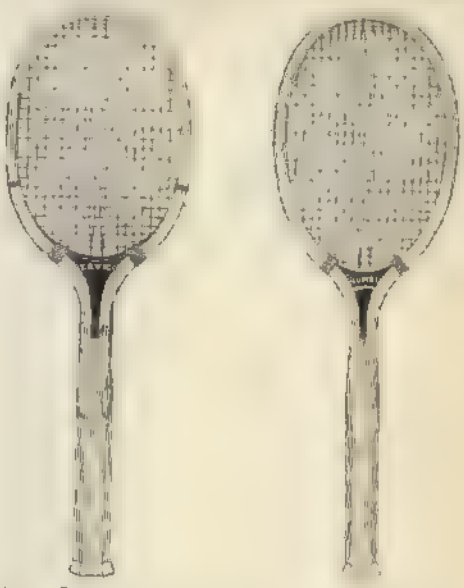
Reliance. Made with patented bow on full oval shape. Good quality gut. Attractively bound. Weights: Light, medium and heavy.

Reliance Tennis Racket ..... each $10 00

All American. Oval shape, depressed white holly throat, ash frame, new style chamfering. ¼ in. handle. Weights: Light, medium and heavy.

All American Tennis Racket..... ..each $8 00

SERVICE AND COLUMBIA RACKETS



Service. Flat chamfered frame, bound at shoulders, elm insertion. Good quality gut, double center style. Weights: Light, medium and heavy.

Service Tennis Racket .....each $8 00

Columbia. Black depressed throat and trimming; single style stringing. Weights: Light, medium and heavy.

Columbia Tennis Racket.....each $6 00

COUNTRY CLUB AND PARK RACKETS

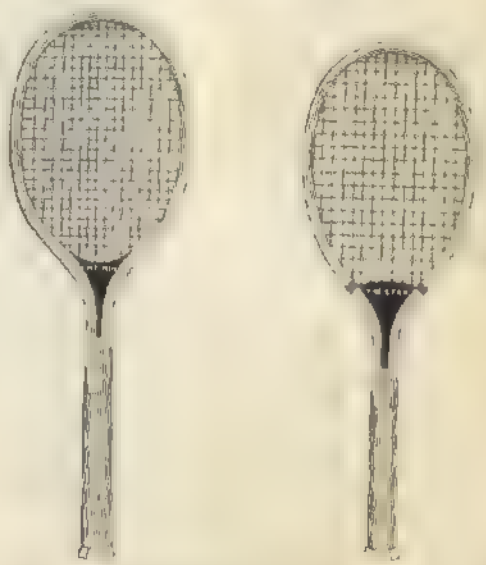
Country Club. Depressed throat; single stringing of good quality gut. Weights: Light, medium and heavy.

Country Club Tennis Racket.....each $4 00

The Park. Ash frame; walnut depressed throat. Single stringing; good quality gut. Weights: Light, medium and heavy.

Park Tennis Racket ....each $3 50

HUB AND STAR RACKETS



The Hub. For beginners. Good quality gut. Weights: Light, medium and heavy.

Hub Tennis Racket.....each $3 00

The Star. Children's size. Good quality gut. Weights: Light, medium and heavy.

Star Tennis Racket.....each $2 50

WAGON BOX RODS

WROUGHT STEEL

Patent Shoulder, with Wrought Nut and Washer

Note—Length given is from under shoulder to point of rod

No. 3104A—Wide track; diameter ⅝ inch, length 43 inches .....Per Hundred $45 15

Open stock.

Common, with Wrought Nut and Washer

Note—Length given is from under eye to point of rod.

No. 3121A—Wide track; diameter ⅝ inch, length 43 inches .....Per Hundred $42 90

Open stock.

WAGON BOX STRAP BOLTS

WROUGHT STEEL

Straight

Half oval pattern.

Nos.	Diameter Shank In	Length Over All, In.	Length of Shank, In.	Per Set of Eight
3153C	½	10	3¼	$1.80
3153D	½	12	3¼	1 98
3153M	⅝	12	3¼	1.98
3153P	⅝	14	3¼	2.43
3153S	⅝	16	3¼	2.70

Open stock.

WAGON BOX SIDE BRACES

WROUGHT STEEL

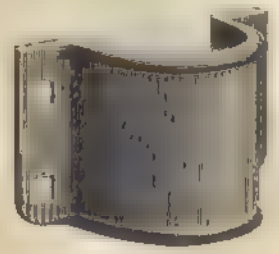
Note—Side braces are measured from center of hole to end on a vertical line.

Nos.	Inches Diam.	X Center of Hole to End, In.	Per 100
3155G	⅞	10	$14.00
3155H	⅞	12	14.00
3155K	⅞	14	15.00
3155A	⅞	15½	16.00
3155E	½	12	16.50
3155F	½	14	18.00
3155B	½	15½	19.50
3155C	⅝	15½	28.00
3155D	⅝	15½	28 25

Open stock

WAGON STAKE IRONS

MALLEABLE IRON



For Round Stake

No.	6010F
Pocket, inches	2⅛x2⅛
Depth, inches	2¾
For bolts, inches	⅝
Per Pound	$.....

Open stock.

WAGON STAKE IRONS

WROUGHT STEEL

Light Pattern, Two Hole

No. 2381B — For stakes 2¼x1⅛ inches; length over all 6 inches, depth 2 inches, ⅜ inch steel, ½ inch holes .....Each $1 00

Open stock

HORSE AND MULE SHOES

BURDEN LIGHT, IRON

Front				Hind			
Size, Nos	Wt Ea Ozs.	Av No in Keg	Extras Per Keg	Size, Nos	Wt, Ea. Ozs.	Av No in Keg	Extras Per Keg
0	12	133	$.....	0	10	160	$0 25
1	14½	110	.	1	12½	128	.25
2	18	89	Base	2	15½	103	Base
3	22	73	Base	3	19	84	Base
4	26	64	Base	4	23½	68	Base
5	31	52	Base	5	28	57	Base
6	37	43	Base	6	33	49	Base
7	43½	37	Base	7	38	42	Base
8	48	33	Base	8	45	35	Base

100 pounds in a keg.

BURDEN MULE, IRON

Size, Nos.	Weight Each Oz.	Av. No. in Keg	Extras Per Keg
1	11½	139	$0.25
2	14½	110	Base
3	18	89	Base
4	22	73	Base
5	27	59	Base
6	30½	53	Base

100 pounds in a keg.

JUNIATA SHORT HEEL, STEEL

Front and Hind

Size, Nos.	Weight Each Oz.	Average No in Keg	Extras Per Keg
0	9	178	$0.25
1	10	160	.25
2	11½	139	Base
3	14½	110	Base
4	17	85	Base
5	21	71	Base
6	26	60	Base

JUNIATA MULE, STEEL

Size, Nos.	Wt. Ea. Oz.	Average No. in Keg	Extras Per Keg
1	10	160	$0.25
2	12	132	Base
3	15	107	Base
4	18½	80	Base
5	22	70	Base

100 pounds in a keg.

JUNIATA PONY, STEEL

Hind

Size Nos.	0	1	2	3
Weight each, oz.	..	6½	8	9½
Extras, Per Keg	$1.50	1.25	1.00	1.00

100 pounds in a keg.

TOE CALKS

JUNIATA

Nibs set back from the end; they are properly placed, pointed and tapered, insuring perfect welding and preventing the possibility of fracturing the shoe or interfering with the crease and nail hole and hard enough to insure driving into the shoe firmly.

Blunt

Blunt—In 25 pound boxes, all sizes .....Per Box $....

Blunt—In less than box lots, all sizes...Per Pound $.

Dimensions of Blunt Calks, Regular

Size Nos.....	1	2	3	4
Size, inches	1½x½x⅜	1¾x⅝x7/16	2x⅝x½	2¼x¾x½

Country Pattern

Country Pattern—In 25 lb. boxes, all sizes..Per Box $ ..

Country Pattern—In less than box lots, all sizes. . .. .Per Pound $ ..

Dimensions of Country Pattern Calks, Regular

Size Nos.	1	2	3	4
Size, inches.....	1½x9/16x7/16	1¾x11/16x11/16	2x¾x½	2¼x13/16x7/16

Sharp

Sharp—In 25 pound boxes, all sizes .....Per Box $....

Sharp—In less than box lots, all sizes ..Per Pound $....

Dimensions of Sharp Calks, Regular

Size Nos	1	2	3	4
Size, inches.	1⅝x⅝x⅜	2x¾x11/16	2¼x⅞x½	2½x1 1/16x11/16

HORSE SHOE NAILS

UNION

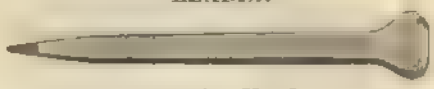
Made of high quality, specially rolled material, by cold rolling process. Heads well centered, blades well tapered, sides and edges smoothly rolled to aid in driving. Reinforced bevel joints. Uniform sizes; inspected before packing

Regular Head			City Head		
Nos.	Length, In.	Per Lb.	Nos.	Length, In.	Per Lb
4	1 15/16	$0.40	4	1 15/16	$0 40
5	2	.26	5	2	.26
6	2 1/16	.24	6	2 1/16	24
7	2 1/8	.23	7	2 1/8	23
8	2 ½	.22	8	2 ½	22

Packed in 5 pound cartons; 25 pounds in a wood box.

HORSE SHOE NAILS

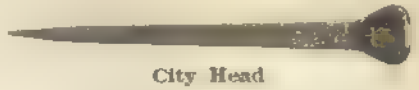
LEADER



Regular Head

Nos.	4	5	6	7	8
Length, inches	1.69	1.94	2.13	2 31	2.47
Per Pound	$0.40	.30	.24	.23	.22

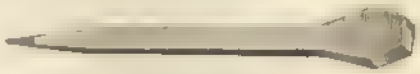
Packed in 5 pound cartons; 25 pounds in a wood box.



City Head

Nos.	5	6	7	8
Length, inches	1.94	2.06	2.20	2.37
Per Pound	$0 26	.24	.23	22

Packed in 5 pound cartons, 25 pounds in a wood box



Frost Head

Nos.	5	6	7
Length, inches	2 1/16	2⅜	2⅝
Per Pound	$0.28	.27	.26

Packed in 5 pound cartons; 25 pounds in a wood box.

HARROW TEETH

STEEL

Square Body, Swell Head, Pointed

Size, inches	Weight Per 100, lbs.	Pieces Per 100 lbs.	Per 100 lbs.	Size, inches	Weight Per 100, lbs.	Pieces Per 100 lbs.	Per 100 lbs.
⅛x10	66	152	$	⅜x12	170	58	$..
5/32x10	97	103	....	7/16x12	231	43	..
3/16x12	119	84	....	1 x12	290	32	. .
¾x10	140	71	....	.....	...		

Two hundred pounds in a keg.

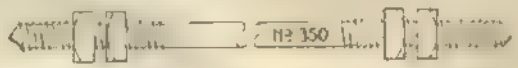
GRASS RODS

With Patent Flat Tail Nut

No. 807—Length, inches.....	14	14	16	16
Diameter, inches	½	5/8	½	5/8
Weight per 100, lbs.....	135	160	150	175
Per Hundred .	$			

Open stock

SPREADER RODS



Threaded 4 to 6 inches, Two Square Nuts on Each End

No. 350—Length, inches..	11	12	14
Diameter, inches	½	⅝	½
Weight per 100, lbs.....	75	83	90
Per Hundred	$....	....	....

Open stock

1847 ROGERS BROS.
SILVERPLATE

AMBASSADOR PATTERN

Correct in outline and original in decoration Ambassador pattern retains the durable qualities characteristic of all 1847 Rogers Bros. ware.

All fancy pieces are supplied, singly or in sets, in white kid finish gift boxes, blue velvet lined, without extra charge

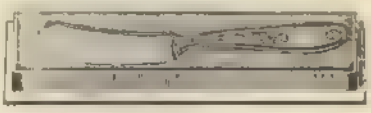
Tea Spoon Actual Size

Staples

	Per Dozen		Per Dozen
No. 8401—Tea Spoons	$ 8.50	No. 8404—Soup Spoons; round bowl.	$17 00
No. 8402—Dessert or Oval Soup Spoons	16 40	No. 8405—Dinner Forks, flat handle	17 00
No. 8403—Table or Serving Spoons	17 00	No. 8406—Dessert or Luncheon Forks, flat handle	16 40

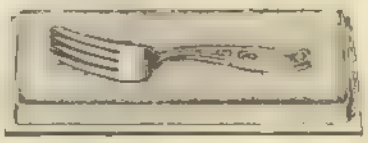
No. 84005—Bouillon Spoons; in velvet lined box.....Per Dozen $16 00

No. 84301 Butter Knife and Sugar Shell .Per Set $3.34

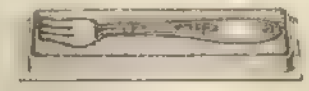


No. 84201—Butter Knife . . . Each $1 78

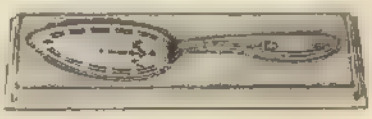
No. 84017—Sugar Shell .....Each $1.56



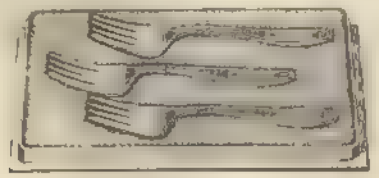
No. 84101—Baby Fork; short handle.....Each $1 20



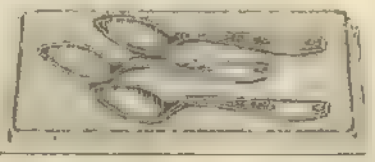
No. 84108—Pickle Fork, short.....Each $1.66



No. 84253—Dessert Server .....Each $5 00



No. 84111 Salad Forks Individual Set of Six $8 80



No. 84014 Orange or Grape Fruit Spoons Set of Six $6 00

All 1847 Rogers Bros. silverplate is wrapped in anti-tarnish parchment

1847 ROGERS BROS.

SILVERPLATE

AMBASSADOR PATTERN

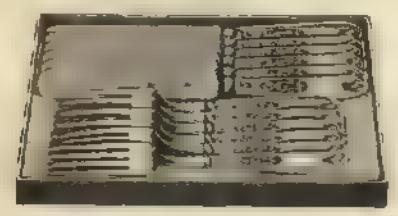
All fancy pieces are supplied, singly or in sets, in white kid-finish gift boxes, blue velvet lined, without extra charge.

No. 84003—Berry Spoon, large... Each $3 60
No. 84004—Berry Spoon, small ... Each 3.10

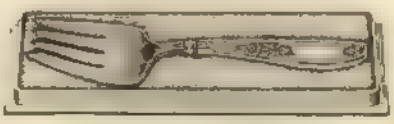
No. 84227—Gravy Ladle ..... Each $2.70
No. 84226—Cream Ladle .. Each 2.08

No. 84106—Oyster Forks .... Set of Six $5 60

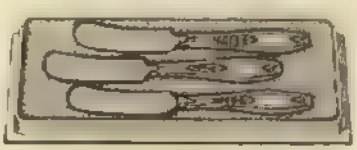
No. 84254 Pie or Ice Cream Server. ... Each 5 74



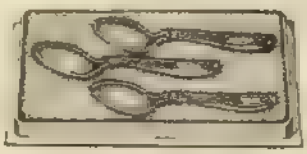
No. 844818—Six each Solid Handle Dinner Knives Stainless French Blades and Forks.....Per Set $14.40
No. 84481—Above, Plated Blades.....Per Set 11 60
No. 84482—Six each Solid Handle Dessert Knives and Forks .....Per Set 11 20



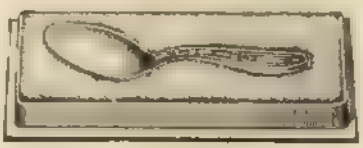
No. 84103—Cold Meat Fork, large.... Each $2 34
No. 84104—Cold Meat Fork, small..... Each 1 90



No. 84202—Butter Spreaders . . . Set of Six $7.20

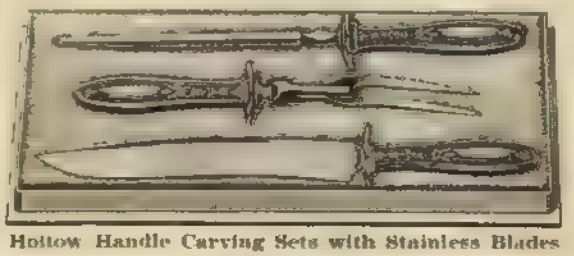


No. 84008—Coffee Spoons .....Set of Six $4 25



No. 84002—Baby Spoon, short handle .. .. .Each $1.20

No. 844218—Six each H H Dinner Knives, Stainless Blades and Flat Forks.....Per Set $23.50
No. 84421—Above, Plated Blades.....Per Set 22.30
No. 844248—Six each H H Breakfast Knives, Stainless Blades and Flat Dessert Forks.....Per Set $23 10
No. 84424—Above, Plated Blades.....Per Set 21 90



Hollow Handle Carving Sets with Stainless Blades

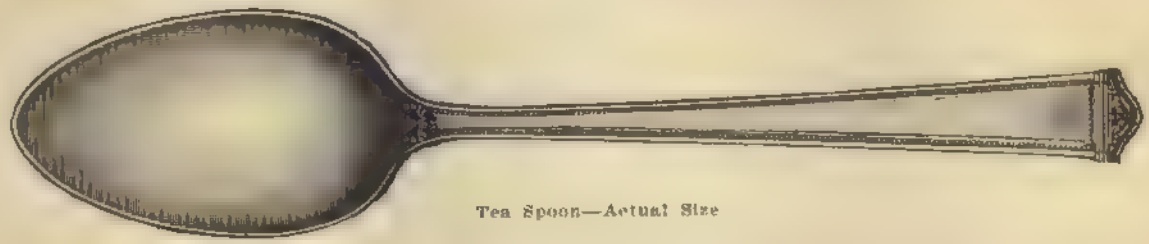
No. 844368—Meat Set, 2 pieces.....Per Set $20 00
No. 844378—Game Set, 2 pieces.....Per Set 15 60
No. 844388—Bird or Steak Set, 3 pieces.....Per Set 14.00
No. 844398—Bird or Steak Set, 2 pieces.....Per Set 10.00

All 1847 Rogers Bros. Silverplate is wrapped in anti-tarnish parchment

1847 ROGERS BROS.
SILVERPLATE
ANNIVERSARY PATTERN

The simple yet rich Colonial design suggests cordial hospitality and the atmosphere of family re-union and anniversary celebration.

All fancy pieces are supplied, singly or in sets, in white kid finish gift boxes, blue velvet lined, without extra charge.



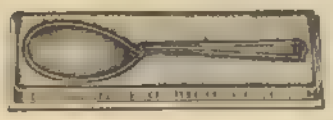
Tea Spoon—Actual Size

Staples

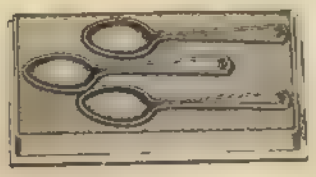
	Per Dozen
No. 8501—Tea Spoons	$ 8 50
No. 8502—Dessert or Oval Soup Spoons	16 40
No. 8503—Table or Serving Spoons	17 00
No. 8504—Soup Spoons, Round Bowl	$17.00
No. 8505—Dinner Forks, Flat Handle	17.00
No. 8506—Dessert or Luncheon Forks, Flat Handle	16.40

No. 85005—Bouillon Spoons; (in velvet lined box) . . . . . Per Dozen $16.00

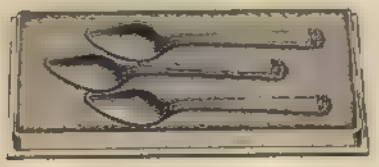
No. 85301 Butter Knife and Sugar Shell Per Set $3 34



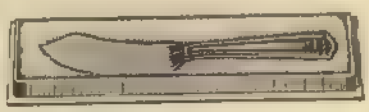
No. 85017 Sugar Shell . Each $1 56



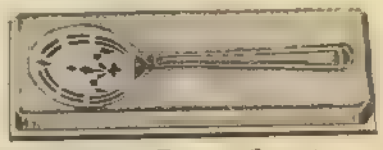
No. 85008 Coffee Spoons . . . . Set of Six $4 25



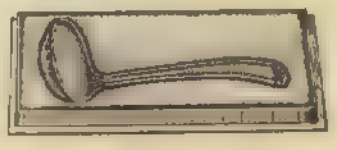
No. 85014—Orange or Grape Fruit Spoons . . . . . Set of Six $6.00



No. 85201—Butter Knife . . . . . Each $1.78



No. 85232 Cucumber or Tomato Server . . Each $3.76



No. 85227—Gravy Ladle . . . . Each $2 70
No. 85226—Cream Ladle . . . . . Each 2 08

No. 85111—Salad Forks, Individual . . . . . Set of Six $8.80

All 1847 Rogers Bros. Silverplate is wrapped in anti-tarnish parchment.

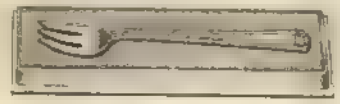
1847 ROGERS BROS.

SILVERPLATE

ANNIVERSARY PATTERN

All fancy pieces are supplied singly or in sets, in white kid finish gift boxes, blue velvet-lined without extra charge.

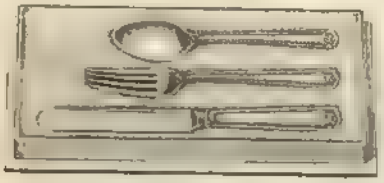
No. 85008—Berry Spoon, large ..... Each $3 60
No. 85004—Berry Spoon, small ..... Each 3 10



No. 85108—Pickle Fork, short ..... Each $1 60

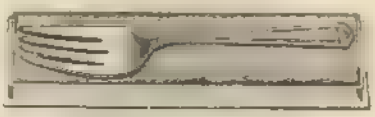
No. 85106—Oyster Forks ..... Set of Six $5 60

No. 85204—Jelly Knife ..... Each $2 00



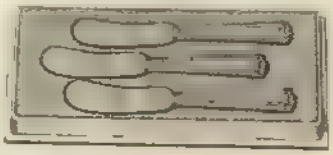
No. 85353—Child's Set, 3 pieces, Hollow Handle Knife ..... Per Set $4.40
No. 85356—Child's Set, 3 pieces, Solid Handle Knife ..... Per Set $3.34
No. 85352—Child's Set, 3 pieces ..... Per Set 3 60

No. 854818—Six each Solid Handle Dinner Knives Stainless French Blades and Forks.....Per Set $14.40
No. 85481—Above, Plated Blades.....Per Set 11.60
No. 85482—Six each Solid Handle Dessert Knives and Forks .....Per Set $11.20

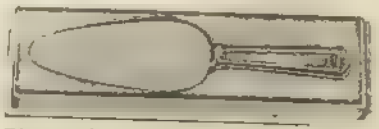


No. 85103—Cold Meat Fork, large.....Each $2 34
No. 85104—Cold Meat Fork, small.....Each 1.90

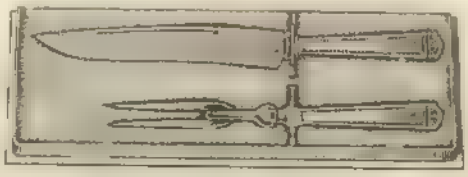
No. 85101—Baby Fork, short handle.....Each $1 20
No. 85002—Baby Spoon, short handle.....Each 1.20
No. 85301—Baby Spoon and Fork, short handle .....Per Set $2.40



No. 85202—Butter Spreaders ..... Set of Six $7 20

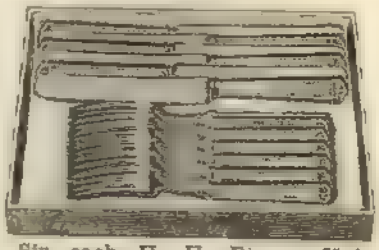


No. 85254—Pie or Ice Cream Server, Hollow Handle.....Each $5.74



Hollow Handle Carving Sets, with Stainless Blades.

No. 854398—Bird or Steak Set, 2 pieces..Per Set $10.00
No. 854388—Bird or Steak Set, 3 pieces..Per Set 14.00
No. 854378—Game Set, 2 pieces.....Per Set 15.60
No. 854368—Meat Set, 3 pieces.....Per Set 20.00



No. 854218—Six each H. H. Dinner Knives, Stainless Blades and Flat Forks.....Per Set $23.50
No. 85421—Above, Plated Blades.....Per Set 22.30
No. 854248—Six each H. H. Breakfast Knives, Stainless Blades and Flat Dessert Forks.....Per Set $23.10
No. 85424—Above, Plated Blades ..... Per Set 21.90

All 1847 Rogers Bros. Silverplate is wrapped in anti-tarnish parchment.

John V. Farwell Company
CHICAGO

1847 ROGERS BROS.

CROMWELL PATTERN

Bright

Tea Spoon

Six in Box, Prices per Dozen

Tea Spoons	$8.30
Dessert Spoons	16.40
Table Spoons	21.00
Soup Spoons	17.00
Dinner Forks, flat	17.00
Dessert Forks, flat	16.40
Bouillon Spoons, six in blue velvet lined box, per set of six	8.00

Dessert Knife
Hollow Handle

Dessert Fork
Flat Handle

Hollow Handles, Nickel Silver, Silver Soldered, Six in Flannel Roll, Prices per Dozen

Dinner Knives, Stainless Blades	$30.00	Dessert Knives, Stainless Blades	$24.40
Dinner Knives, Plated Blades	27.60	Dessert Knives, Plated Blades	21.00
Breakfast Knives, Stainless French Blades	29.80	Dinner Forks	27.60
Breakfast Knives, Plated Blades	27.40	Dessert Forks	24.00

Soup Spoon

Solid Handles, No. 55, Six in Rocked Box, Prices per Dozen

Dinner Knives, Stainless Blades, S & S	$17.20	Dinner Forks	$11.60
Dinner Knives, Plated Blades	11.60	Dessert Knives	11.20
Dessert Knives, Plated Blades	$11.20		

INTERNATIONAL SILVER CO.

1847 ROGERS BROS.

CROMWELL PATTERN

Illustrations One-third Scale

Fancy pieces in velvet Lined Gift Boxes without extra charge

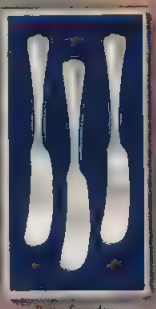
Child's Set, 3 pieces
Per set, $5 60

Child's Set, 3 pieces
With Nickel Silver Silver Soldered, Hollow Handle Knife
Per set, $4 40

Child's Set, 3 pieces
With Embossed Solid Handle Knife, per set, $3 34

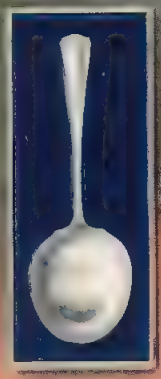
Salad Forks, individual
Set of six, $6 80

Cold Meat Fork
Each $2 34



Butter Spreaders
Set of six, $7 20

Iced Tea Spoons
Set of six, $7 30



Berry Spoon
Each, $5 60

No. 79421s Six each Hollow Handle Dinner Knives, Stainless Blades, and Dinner Forks, per set, $24 50

No. 79421 Above, Plated Blades, per set, $18 30

No. 79422s Dessert, Stainless Blades, per set, $22 90

No. 79422 Above, Plated Blades, per set, $21 70

No. 79483s Six each No. 53 Dinner Knives, Stainless Blades, and Flat Dinner Forks, per set, $17 70

No. 79483 Above, Plated Blades, per set, $14 30

No. 79484 Dessert, Plated Blades, per set, $13 80

No. 79485s Six each No. 53 Dinner Knives, Stainless Blades, and No. 53 Dinner Forks, per set, $14 40

No. 79481 Above, Plated Blades, per set, $11 60

No. 79482 Dessert, Plated Blades, per set, $11 20

Gravy Ladle
Each, $6 70

Cream Ladle
Each, $2 08

Oyster Ladle
Each, $6 34

Medium Ladle
Each, $8 34

Butter Knife and Sugar Shell
Per set, $3 34

Sugar Shell
Each, $1 56

Butter Knife
Bent Handle
Each, $1 76

INTERNATIONAL SILVER CO.

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1847 ROGERS BROS.
SILVERPLATE

OLD COLONY PATTERN

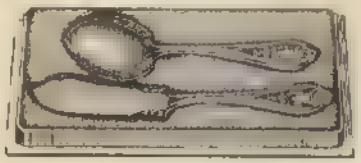
Note the pierced and the sterling effect of the design Its popularity stamps it as one of the most remarkable patterns ever produced in silver-plate.
All fancy pieces are supplied singly or in sets, in blue velvet-lined gift boxes, without extra charge.

Tea Spoon—Actual Size

Staples

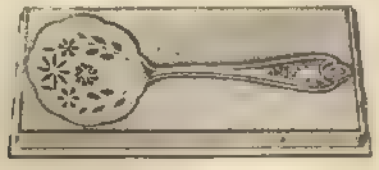
	Per Dozen
No. 7801—Tea Spoons	$ 8 50
No. 7802—Dessert or Oval Soup Spoons	16 40
No. 7803 Table or Serving Spoons	17 00
No. 7804—Soup Spoons; round bowl	$17.00
No. 7805—Dinner Forks; flat handle	17 00
No. 7806—Dessert or Luncheon Forks flat handle	16 40

No. 78005—Bouillon Spoons; in velvet-lined box Per Dozen $16 00

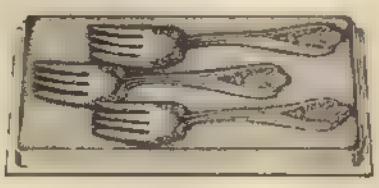


No. 78301—Butter Knife and Sugar Shell Per Set $3 34

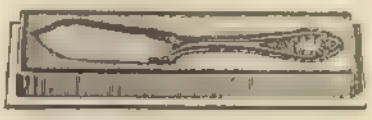
No. 78008—Coffee Spoons Set of Six $4 25



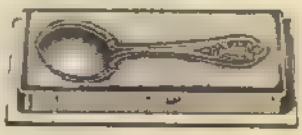
No. 78252 Tomato or Cucumber Server Each $3.76



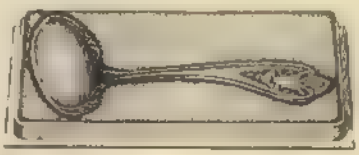
No. 78111 Salad Forks, individual Set of Six $8.80



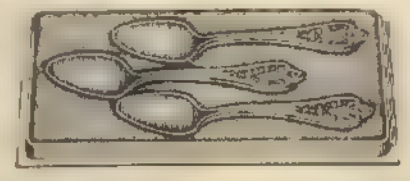
No. 78201—Butter Knife Each $1 78



No. 78017—Sugar Shell Each, $1.56



No. 78227—Gravy Ladle Each $2 70
No. 78228—Cream Ladle Each 2.08



No. 78014—Orange or Grape Fruit Spoons Set of Six $6 00

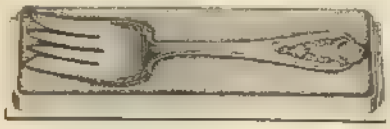
All 1847 Rogers Bros. Silverplate is wrapped in anti-tarnish parchment.

1847 ROGERS BROS.

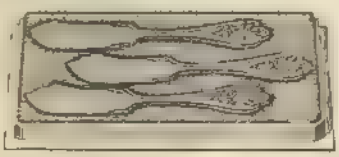
SILVERPLATE

OLD COLONY PATTERN

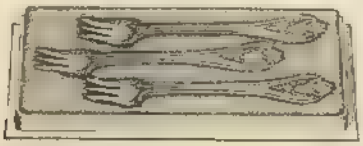
All fancy pieces are supplied, singly or in sets, in blue velvet lined gift boxes, without extra charge



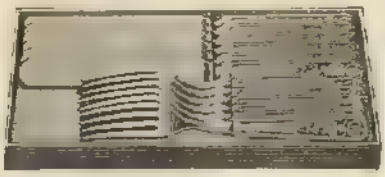
No. 78103—Gold Meat Fork . . . . Each $2.34



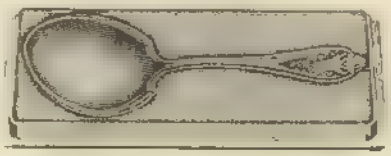
No. 78202—Butter Spreaders . Set of Six $7 20



No. 78100—Oyster Forks . . . . . Set of Six $5 60

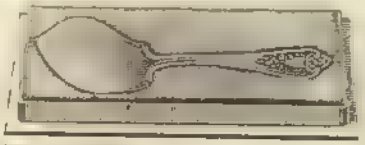


No. 78481—Six each Solid Handle Dinner Knives and Forks . . . . . Per Set $11.60
No. 78483—Six each Solid Handle Dinner Knives and Flat Forks . . . . . Per Set $14 30
No. 78482—Six each Solid Handle Dessert Knives and Forks . . . . . Per Set $11.20

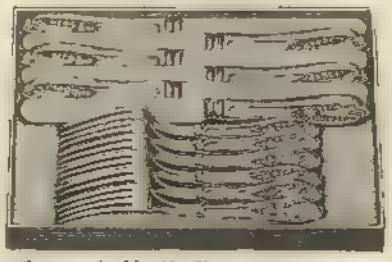


No. 78003—Berry Spoon . . . . . Each $3 60

No. 78109—Pickle Fork; long . . . . . Each $1.94



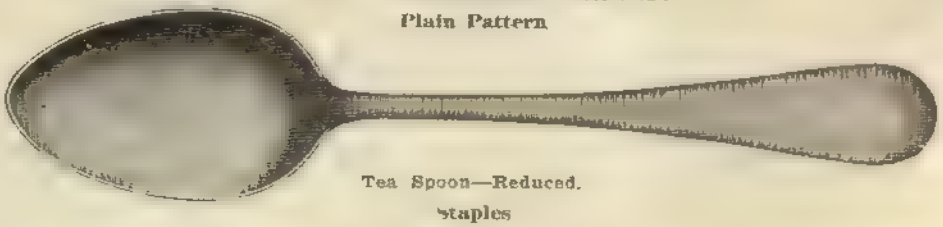
No. 78204 Jelly Knife . Each $2 00



No. 78421S—Six each H H. Dinner Knives, stainless and Flat Forks . . . . . Per Set $23.50
No. 78421 —As above; plated blades . Per Set 22 30
No. 78422S—Six each H H Dessert Knives, stainless, and Flat Forks . . . . . Per Set $22.90
No. 78422—As above; plated blades . . . . . Per Set 21.70

1847 ROGERS BROS.

Plain Pattern



Tea Spoon—Reduced.

Staples

	Per Dozen
No. 5201—Tea Spoons	$ 8.05
No. 5202—Dessert or Oval Soup Spoons	16 40
No. 5203—Table or Serving Spoons .	$17 00
No. 5204—Soup Spoons round bowl . . .	17 00

Plain Round End Solid Handle Knives and Forks

	Per Dozen
No. 1211—Dinner Knives	$10 40
No. 1212—Dinner Forks	10 40
No. 1213—Dinner Knives; swaged .	10 32
No. 1214—Dinner Knives: S. and S. . . .	10 64
No. 1215—Breakfast Knives; S. and S. .	10.40
No. 1216—Dessert or Luncheon Knives .	10.00
No. 1217—Dessert or Luncheon Forks .	10 00
No. 1218—Dessert Knives; swaged .	10 12
No. 1219—Dessert Knives; S. and S . .	10 24
No. 1220—Fruit	8 00

Plain Round End Solid Handle Knife and Fork Sets

No. 1221—Six each Dinner Knives and Forks . . . . . Per Set $10.40
No. 1222—Six each Dinner Knives; S. and S., and Forks . . . . . Per Set $10 52
No. 1223—Six each Breakfast Knives, S. and S. and Dessert Forks . . . . . Per Set $10.20
No. 1224—Six each Dessert Knives and Forks. . . . . Per Set $10.00
No. 1225—Six each Dessert Knives, S. and S., and Forks. . . . . Per Set $10.12

All 1847 Rogers Bros. silverplate is wrapped in anti-tarnish parchment.

1847 ROGERS BROS.

SILVERPLATE

AMBASSADOR PATTERN

Correct in outline and original in decoration, Ambassador pattern retains the durable qualities characteristic of all 1847 Rogers Bros. ware.

All fancy pieces are supplied, singly or in sets, in white kid-finish gift boxes, blue velvet-lined, without extra charge.

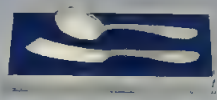
STAPLES

		Per Dozen
No. 8401	Tea Spoons	38.50
8402	Dessert or Oval Soup Spoons	18.40
8403	Table or Serving Spoons	17.00
8404	Soup Spoons, Round Bowl	17.00
84005	Bouillon Spoons (in velvet-lined box)	16.00

FORKS

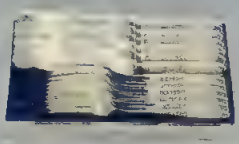
8405	Dinner, Flat Handle	17.00
8406	Dessert or Luncheon, Flat Handle	16.40
84478	Dinner, Solid Handle	14.00
84479	Dessert or Luncheon, Solid Handle	11.20

No. 84013 Olive Spoon — Each $2.00



No. 84301 Butter Knife and Sugar Shell — Per Set $3.34
84201 Butter Knife — Each 1.70
84017 Sugar Shell — Each 1.86

No. 84252 Tomato or Cucumber Server — Each $3.76



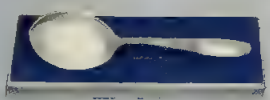
No. 84481a Six each Solid Handle Dinner Knives, Stainless Blades, and Forks — Per Set $14.40
84481 Above Plated Blades — Per Set 11.60
84482 Six each Solid Handle Dessert Knives, Plated Blades, and Forks — Per Set 11.20
84483a Six each Solid Handle Dinner Knives, Stainless Blades, and Flat Forks Per Set 17.10
84483 Above, Plated Blades — Per Set 14.30

TEA SPOON
Actual Size

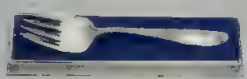
KNIVES

		Per Dozen
No. 84401a.	Dinner, Hollow Handle, Stainless Blades	$30.00
84401	Dinner, Hollow Handle	27.60
84403.	Breakfast, Hollow Handle	25.80
84404.	Dessert or Luncheon, Hollow Handle	21.80
84406a.	Fruit, Hollow Handle, Stainless Blades, S. & S.	19.60
84451.	Dinner, Modeled Handle	14.80
84453.	Fruit, Modeled Handle, Stainless Blades, S. & S.	17.80
84471	Dinner, Solid Handle	17.80
84474	Dessert or Luncheon, Solid Handle	11.20

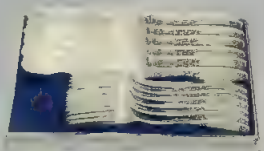
No. 84108 Pickle Fork shown — Each $1.65



No. 84083 Berry Spoon, large — Each $3.60
84084 Berry Spoon, small — Each 2.10



No. 84103 Cold Meat Fork, large — Each $2.94
84104 Cold Meat Fork, small — Each 1.90



No. 84421a Six each H. H. Dinner Knives, Stainless, and Flat Forks — Per Set $23.50
84421 Above Plated Blades — Per Set 22.30
84424a Six each H. H. Breakfast Knives, Stainless, and Flat Dessert Forks Per Set 23.10
84424 Above, Plated Blades — Per Set 21.90
84422a Six each H. H. Dessert Knives, Stainless, and Flat Dessert Forks Per Set 22.90
84422 Above, Plated Blades — Per Set 21.70

All 1847 ROGERS BROS. Silverplate is wrapped in anti-tarnish parchment

1847 ROGERS BROS.
SILVERPLATE

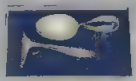
AMBASSADOR PATTERN

All fancy pieces are supplied, singly or in sets, in white kid-finish gift boxes, blue velvet-lined, without extra charge.

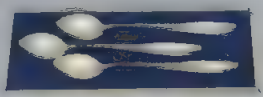
No. 84304 Jelly Knife — Each $2.00

No. 84014 Orange or Grape Fruit Spoons — Set of Six $6.00

No. 84304 Baby Spoon and Fork, short handle — Per Set $2.40
84002 Baby Spoon, short handle — Each 1.20
84101 Baby Fork, short handle — Each 1.20



No. 84303 Baby Spoon, bent handle, and Food Pusher — Per Set $2.40
84001 Baby Spoon, bent handle — Each 1.20
84176 Food Pusher — Each 1.20



No. 84013 Iced Tea Spoons — Set of Six $7.00

No. 84202 Butter Spreaders — Set of Six $7.20

No. 84253 Dessert Server — Each $5.00

No. 84352 Child's Set, 2 pieces, Illustrated — Per Set $2.60
84353 Child's Set, 2 pieces, Heavy Handle Knd. — Per Set 2.40
84356 Child's Set, 2 pieces, Small Handle Knife — Per Set 1.34

No. 84227 Gravy Ladle (Illustrated) — Each $2.70
84226 Cream Ladle — Each 2.08

Hollow Handle Carving Sets with Stainless Blades

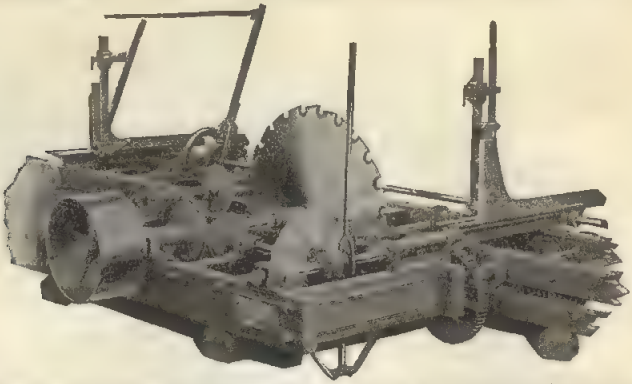
No. 84437a Game Set, 2 pieces, (Illustrated) — Per Set $15.60
84436 Meat Set, 2 pieces — Per Set 20.00
84438 Bird or Steak Set, 2 pieces — Per Set 14.00
84435a Bird or Steak Set, 2 pieces — Per Set 10.00

No. 84111 Salad Forks, Individual — Set of Six $8.40

No. 84294 Pie or Ice Cream Server, Hollow Handle — Each $6.74

All 1847 ROGERS BROS. Silverplate is wrapped in an Ltarnish parchment

"American" Improved Variable Friction Feed Saw Mills



These mills are light running, easy to install, and do not easily get out of order. The latest improved features are embodied in their design, which enables them to cut more timber than other mills using same power.

Variable Feed—Bevel frictions are used as drivers, insuring positive motion, reducing end and lateral thrust, and maintaining a wide range of feed variation. The "gig back" is also positive and will start on highest speed without any slipping; it is many times faster than the feed.

Husk Frames are made of selected timber, well bolted together and thoroughly braced. All shafts are turned and ground perfectly true, and run in self-oiling bearings throughout.

Carriages are of sufficient strength to withstand any reasonable load and hard usage to which saw mill carriages are usually subjected.

Trucks—On all carriages trucks are large diameter, fitted with steel axles running in self-oiling babbitted boxes, with ample provision for taking up all lost motion, and accurately turned to perfectly fit guide track.

Track furnished is rolled steel in 12-foot sections and furnished with suitable holding down spikes.

Set Works—We usually furnish patented combination set works and quick receder, which are accurate and possess many advantages. Two or three pulls of lever will recede the blocks as far as is usually required. We can also furnish the larger mills with double acting set works and spring or foot receder as may be ordered.

Carriage Drives—All standard mills are furnished with rack and pinion carriage drive, but manila or wire rope drive will be supplied, if preferred, with small additional cost.

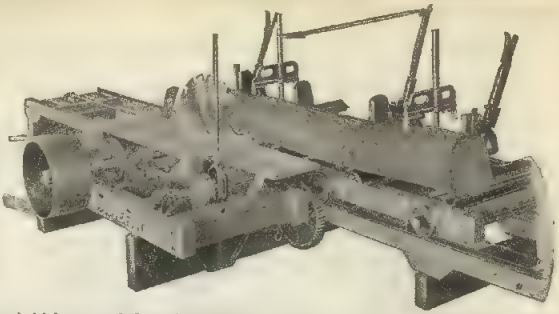
Equipped with board roll spreader wheel and saw guide.

Standard mill is furnished with rack and pinion carriage drive. Wire cable drive furnished at additional price.

Number of mill	1	2	3
Length of husk, feet	7	7½	8
Width of husk, feet	3	3½	4
Size of husk timbers, inches	3½x7½	3½x9½	4½x11½
Diameter of mandrel, inches	2⅝	2⅝	2⅞
Largest saw can be used, diameter, inches	50	54	60
Diameter of largest log mill will cut, inches	36	40	48
Mandrel pulley, inches	20x18	20x10	20x12
Length of carriage, feet	16	20	20
Width of carriage, inches	26	30	36
Size of carriage timbers	3½x5½	3½x5½	4½x5½
Length of feed rack, feet	22	26	32
Size of truck wheels, inches	6	7	8
Number of trucks	4	6	6
Head of blocks, open, inches	34	38	44
Length of set shaft, feet	14	16	18
Length of steel track, feet	40	56	56
Horse power required	6 to 15	6 to 20	10 to 30
Approximate capacity feet per day	2,000 to 7,000	2,000 to 10,000	5,000 to 15,000
Weight complete, pounds	2550	3550	4530
Price standard mill, complete, except without saw, with cable drive	$475.00	$580.00	$685.00

Larger mills quoted on application. Right hand mills furnished unless otherwise ordered. Mandrel pulleys of any size up to 24 inches in diameter furnished without extra charge if ordered with mill. Mills can all be furnished mounted on trucks. Prices quoted on application.

American Short Saw Mill and Boiler



With variable friction feed, which is light running, admits of wide variation and adapts the mill for light or heavy power.

Any kind of short log sawing, mine or railroad ties, fence posts, handle stock, shooks, slats, etc., can be handled on this machine.

By flitching a log into cuts of desired thickness and then placing several of these, one on top of the other, on the carriage, thin slats, laths, etc., may be made, several at one cut and very rapidly.

Regularly furnished with manila rope drive which is strong, quick in operation and allows carriage to travel the full length of the track. Wire rope drive furnished at extra cost.

Built regularly in two sizes as per specifications below.

No. 1½ Mill

Husk frame 7x3 feet, timbers 3½x7½ inches.
Mandrel 2⅞ inches with pulley 20x10 inches.
Carriage 8 feet by 30 inches, timbers 3½x5½ inches.
Trucks 3 with 7-inch wheels 1¼-inch axles.
Track and ways complete, 28 feet long.
Floor space required 28x10 feet.
Weight of mill complete, 3,000 lbs.
Weight of track ways only, 350 lbs.
Weight of foundation timbers, 450 lbs.
Weight of truck, if wanted, 1,000 lbs.
Weight of Mill complete, boxed for export, gross, 3,500 lbs.; net, 3,000 lbs.
Carriage..... 10 feet
No. 1½ mill complete.....$445.00

No. 2½ Mill

Husk frame 7½x3½ feet, timbers 3½x9½ inches.
Mandrel 2⅞ inches with pulley 20x10 inches.
Carriage 8 feet by 36 inches, timbers 4½x6½ inches.
Trucks 3 with 8-inch wheels, 1⅞-inch axles.
Track and ways complete, 28 feet long.
Floor space required 28x11 feet.
Weight of mill complete, 3,700 lbs.
Weight of track ways only, 400 lbs.
Weight of foundation timbers, 500 lbs.
Weight of truck, if wanted, 1,000 lbs.
Weight of mill complete, boxed for export, gross, 4,500 lbs.; net, 3,700 lbs.
Carriage..... 10 feet
No. 2½ mill complete.....$885.00

Mounting on four-wheel truck, $155 00 extra. Foundation timbers, if not wanted, deduct $12.00. Track way timbers, if not wanted, deduct $17 50. Pulleys of any size furnished to suit speed of engine and size of saw. Extra charge made for pulleys over 24-inch diameter.

Power Wood Saw Frames

No. 44 Wood Frame

Frame of seasoned timber, securely bolted and braced. Bearings are cast on a solid iron beam extending entire length of the frame which holds them in alignment at all times.

Table is of the swing type, pivoted at bottom on a cast bearing.

This frame can be used with saws 20 to 30-inch diameter. Speeds 1000 to 1500 R. P. M. Pulley 6x6 inches. Weight 250 lbs.

Price.....$30.00

Price does not include saw blade.

No. 40 Steel Frame

Frame of steel and cast iron securely riveted and bolted together and strongly braced in every direction. Balance wheel is placed on an independent shaft directly under saw arbor, so that poles and long sticks can be sawed to best advantage.

Fly wheel shaft has adjustable bearings.

Frame can be used with saws 20 to 30-inch diameter. Speeds 1000 to 1500 R. P. M. Pulley 6x6 inches. Weight 360 lbs.

Price.....$40.00

Price does not include saw blade.

High Grade Leather Traveling Bags

DEPARTMENT 30—FIFTH FLOOR

Sold in any quantity.

466 J30—Black Leather Bag; Arabian grain cowhide leather; 3 piece, English hand-sewed frame, brass trimmings, champagne color leather lining, sewed corners; leather handle; three pockets, 18 inches only ..... **Each 27 00**

467 J30—Brown leather Bag; 3 piece, heavy cowhide, English sewed in frame brass trimmings champagne color leather lining, sewed corners, three pockets, leather handle, 18 inches only . **Each 27 00**

511/J30—Black Amazon Grain Leather Bag; leather handle, three piece bag, leather lining, sewed frame, brass locks, brass pull up catches, sewed protected leather corners; 18 inch only **Each 27.00**
512/J30—Brown Amazon Grain Leather; as above, 18 inch only .... **Each 27 00**

340 J30—Brown Cowhide Bag; 5 piece; reinforced corners, hand sewed full stock cowhide leather flap over lock with space for name plate or card; brass lock and catches, seamless handle, leather lined; three inside pockets.

Size, inches	16	18
Each	28 00	30.00

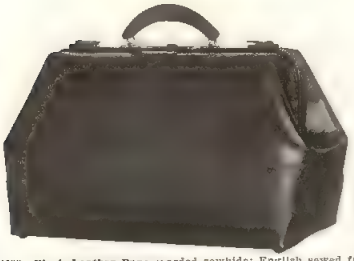
408 J30—Brown Hand Boarded Leather Bag; 3 piece English sewed in frame, brass trimmings, champagne color leather lining, raised sewed corners, three pockets, seamless leather handle; 18 inches only..... **Each 30 00**

506/J30—Black Hand Boarded Leather Bag; Tussah leather lining, with gusseted pockets, extra reinforcements around entire bottom of bag adjustable leather strap inside bag, identification name card holder on each bag, 18 inch only .. **Each 36 00**
507/J30—Black Shark Grain Leather; as above, 18 inches only... **Each 38.00**
508/J30—Mahogany Hand Boarded Leather, as above; 18 inches only **Each 38.00**

High Grade Leather Traveling Bags

DEPARTMENT 50—FIFTH FLOOR

Sold in any quantity.



438/350—Black Leather Bag; boarded cowhide; English sewed frame and corners, leather lined; ring leather handle, claw catch, 18 inches only ..... **Each 33 00**

518/350—Black Bore Walrus Leather Bag; leather handle, 2 piece, lug, leather lining, sewed frame; brass locks, brass pull up catches, sewed protected leather corners; 18 inch only ..... **Each 36.00**

Business Man's Leather Bag; Tuscan lined with commercial stationery pockets as illustrated; extra leather reinforcements around entire bottom of bag, adjustable leather strap inside, identification name card holder, 18 inch only

524.350—Black hand boarded **Each 40 00**
525.350—Black shark grain **Each 40 00**
526/350—Chocolate hand boarded **Each 40 00**

460.350—Black Leather Bag; long grain leather, English sewed frame, nickel trimmings, champagne color leather lining, raised sewed corners, three pockets, seamless handle; 18 inches only ..... **Each 44 00**

515.350—Black Walrus Leather Bag; two leather handles; 3 piece bag, sewed frame; leather lining, brassed shackle catches, brass double post lock, sewed protected corners; 18 inch only ..... **Each 45 00**
516/350—Brown Walrus Leather Bag; as above 18 inch only..... **Each 45.00**

423/350—Tan Full Stock Cowhide Bag; extra high English frame 1¼ inch straps all around, leather lining, three inside pockets.

Size, inches	16	18
Each	48.00	50.00

BOKER POCKET KNIVES

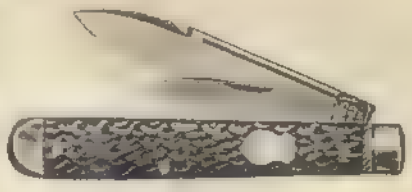
TREE BRAND

One Blade

Length closed, 3⅞ inches; clip blade half polished; nickel silver bolster and cap; brass lining

No. 9418—Stag handle . . Per Dozen $18 00

Half dozen in a box



Two Blades

Length closed, 4¼ inches; spear and pen blades; blades half polished; nickel silver bolsters and cap; brass lining.

No. 9624—Stag handle. . . Per Dozen $21.60

Half dozen in a box

Two Blades

Length closed, 3½ inches; spear and pen blades; blades half polished; nickel silver bolsters and cap, brass lining.

No. 9675—Stag handle Per Dozen $18 00

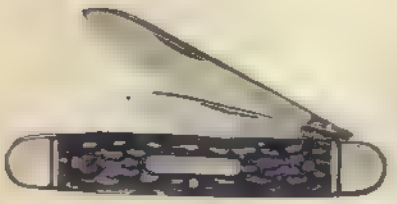
Half dozen in a box

Two Blades

Length closed, 3½ inches; spear and pen blades; blades half polished; nickel silver bolsters and cap brass lining

No. 9830—Stag handle. . . . . Per Dozen $17 00

Half dozen in a box



Two Blades

Length closed, 3⅛ inches, spear and pen blades; blades half polished; nickel silver bolsters and cap; brass lining.

No. 9311—Stag handle . Per Dozen $17 00

Half dozen in a box

Two Blades

Length closed, 4⅛ inches; spear and pen blades; blades half polished; nickel silver bolsters and cap; brass lining

No. 9678—Stag handle . . Per Dozen $18 00

Half dozen in a box

Two Blades

Length closed, 3¼ inches; spear and pen blades; blades half polished; nickel silver bolsters and cap; brass lining

No. 9340—Stag handle Per Dozen $18 00

Half dozen in a box.

Two Blades

Length closed 4 inches; clip and pen blades; blades half polished; nickel silver bolsters and cap; brass lining

No. 9308—Stag handle. Per Dozen $21 60

Half dozen in a box

Two Blades

Length closed, 3½ inches; spear and pen blades; blades half polished; nickel silver bolsters and cap; brass lining

No. 9325—Stag handle. . . . . Per Dozen $18 00

Half dozen in a box

Two Blades

Length closed 3½ inches; sheepfoot and pen blades; blades half polished; polished steel bolsters and cap; brass lining

No. 9653—Stag handle. . . . . Per Dozen $20.00

Half dozen in a box.

BOKER POCKET KNIVES

TREE BRAND

Two Blades

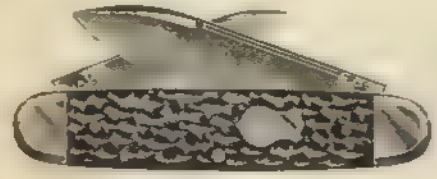
Physician's knife; length closed, 3¼ inches; spear and pen blades; blades crocus polished; German silver bolster and cap; brass lining.

No. 6818—Stag handle .....Per Dozen **$20.00**
Half dozen in a box.

Two Blades

Length closed, 4 inches; clip and spey blades blades half polished; nickel silver bolsters and cap; brass lining

No. 9344—Stag handle . . . . . Per Dozen **$20 80**
Half dozen in a box



Two Blades

Length closed, 3⅝ inches; spear and pen blades; blades half polished; nickel silver bolsters and cap; brass lining.

No. 9334—Stag handle ..... .Per Dozen **$21.00**
Half dozen in a box.

Three Blades

Length closed, 4 inches; spear sheepfoot and pin blades; blades full crocus polished; nickel silver bolsters and cap, cap; brass lining

No. A6066—Stag handle. .....Per Dozen **$36 00**
Half dozen in a box

Three Blades

Manicure knife, length closed, 3 inches; spear, pen and file blades; blades crocus polished; German silver bolsters; brass lined.

No. 6171—Pearl handle .....Per Dozen **$54.00**
Half dozen in a box

Four Blades

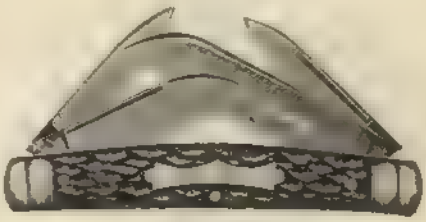
Length closed, 4¼ inches; spear, sheepfoot and two pen blades; blades fine glazed, nickel silver bolsters; brass lining

No. 5074—Stag handle.....Per Dozen **$36.00**
Half dozen in a box

Four Blades

Length closed, 4⅛ inches; two sheepfoot and two pen blades; blades fine glazed; nickel silver bolsters; brass lining.

No. 5073—Stag handle . . . . Per Dozen **$32 00**
Half dozen in a box



Four Blades

Length closed 3¾ inches; two sheepfoot and two pen blades; blades fine glazed; nickel silver bolsters; brass lining.

No. A6006—Stag handle .....Per Dozen **$32.00**
Half dozen in a box

Four Blades

Length closed, 3¼ inches; sheeepfoot, two pen and file blades; blades fine glazed, polished steel bolsters; brass lining.

No. 5733—Stag handle .....Per Dozen **$30 00**
Half dozen in a box.

Four Blades

Length closed, 3¼ inches; sheeepfoot, two pen and file blades; blades fine glazed; German silver bolsters; brass lined.

No. 4817—Pearl handle... . . Per Dozen **$18 00**
Half dozen in a box

POCKET KNIVES

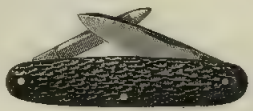
BOKER'S TREE BRAND

Two blades, 1 spear and 1 pen, full crocus polished, flat gun metal handle.

Per Dozen

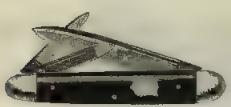
No. 6824—3 in. long handles $13.50

Two blades, 1 spear and 1 file, full crocus polished, brass lined, stag handle.



Per Dozen

No. 6651—2¾ in. long handles $14.00



Three blades, 1 spear, 1 pen and 1 file, full crocus polished, brass lined, nickel silver bolsters, stag handle.

Per Dozen

No. 5605S—3¾ in. long handles $24.00

Three blades, 1 spear and 2 pens, blue glazed finish, brass lined, nickel silver bolsters, white bone handle

Per Dozen

No. 6062—3½ in. long handles $18 00

Four blades, 1 spear, 2 pens and 1 file, full crocus polished, brass lined, milled center scale, nickel silver tips, stag handle.

Per Dozen

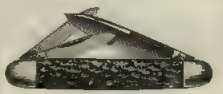
No. 5613—3¼ in. long handles $24.00

Weight per Dozen About 3 Pounds

One-half Dozen in a Box.

POCKET KNIVES

BOKER'S TREE BRAND

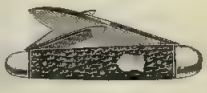


Three blades, 1 spear and 2 pens, blue glazed finish, brass lined, nickel silver bolsters, stag handle.

Per Dozen

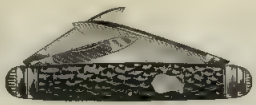
No. 6063—3½ in. long handles $18 00

Three blades, 1 spear, 1 pen and 1 file, full crocus polished, brass lined, nickel silver bolsters, stag handle.



Per Dozen

No. 5607—3¾ in. long handles $27.00

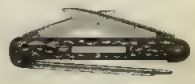


Three blades, 1 spear, 1 pen and 1 file, full crocus polished, brass lined, scored nickel silver bolsters, stag handle.

Per Dozen

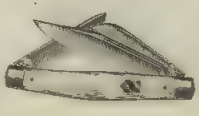
No. 6118—3¾ in. long handles $22.50

Three blades, 1 spear, 1 pen and 1 file, full crocus polished, brass lined, stag handle.



Per Dozen

No. 6232—3 in. long handles $24 50



Three blades, 1 clip, 1 sheep-foot and 1 spey, full crocus polished, brass lined, milled center scale, nickel silver bolsters, pearl handle.

Per Dozen

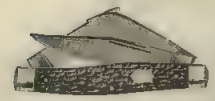
No. 6914—3½ in. long handles $48 00

Weight per Dozen About 3 Pounds.

One-half Dozen in a Box.

POCKET KNIVES

BOKER'S TREE BRAND



Three blades, 1 clip, 1 sheep-foot and 1 spey, full crocus polished, brass lined, milled center scale, nickel silver bolsters, stag handles.

Per Dozen

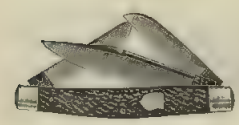
No. 6066S—4 in. long handles $36 00

No. 6065 —Same as No. 6066S, but with horn handle 30.00

Three blades, 1 clip, 1 sheep-foot and 1 punch, full crocus polished, brass lined, milled center scale, nickel silver bolsters, stag handles

Per Dozen

No. 7304—4 in. long handles $36.00



Three blades, 1 clip, 1 sheep-foot and 1 spey, blue glazed finish, brass lined, nickel silver bolsters, stag handles.

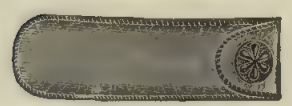
Per Dozen

No. 6894—3¼ in. long handles $24 00

Weight per Dozen About 8 Pounds.

One half Dozen in a Box.

POCKET KNIFE PURSES



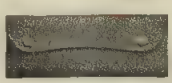
Russet calf skin, red silk stitched, glove fastener.

Nos.	2	3	4	5
Length, in.	2½	3	3½	4
Weight per gross, lbs.	1⅛	1¼	1½	1¾
Per dozen	$1 70	1.70	1.70	1.70

Open Stock.

SCISSOR SETS

WISS & SONS CO.



In attractive case made of genuine leather, satin lined and silk stitched.

Per Set

No. 1—Gift set, contains one pair No. 815, 5 in. ladies' scissors, one pair No. 773½, 3½ in. embroidery scissors, with gold plated handles, in 6⅜x2½ in. case $4 50

No. 1B—Gift set, contains one pair No. 815, 5 in. ladies' scissors, one pair No. 503⅜, 3¾ in. manicure scissors, and one pair No. 623½, 3½ in. nail scissors, with gold plated handles, in 6¾x2½ in. case 5.50

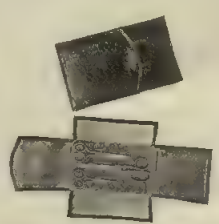
One Set in a Case.

In genuine leather case, richly stamped with leaf design, silk lined and silk stitched.

Per Set

No. 2—Gift set, contains one pair No. 337, 7 in. sewing shears with comfortable handle for two fingers, one pair No. 773½, 3½ in. embroidery scissors, both with gold plated handles, in 7¼x3 in. case $6.00

One Set in a Case.



In gorgeous case of striking colors, outside: black patent leather, richly grained; inside: rose colored satin and plush.

Per Set

No. 3B—Gift set, contains one pair No. 337, 7 in. sewing shears, one pair No. 815, 5 in. ladies' sewing scissors, one pair No. 773½, 3½ in. embroidery scissors, all with gold plated handles, in 7½x4½ in. case $8.00

One Set in a Case.

Remington Game Loads

Remington Game Loads are scientifically loaded to a uniform standard of velocity, pattern and penetration —with moderate recoil. They will outshoot shell for shell any make or brand of specified loads on the market. Shoot out the Facts!

Remington Heavy Duck Loads possess remarkable long range shooting qualities. They are fast, close shooting, hard hitting, and will pull the ducks down when they're wild and flying high. Fine for "pass" shooting

Remington Game Loads are thoroughly Weiproof—top wad, crimp and body—another Remington exclusive, patented feature. The crimp remains hard and firm, does not get fuzzy, break down, flatten, swell or mushroom.

12 Ga. Recommended for Duck, Brant, Jack Rabbit

Chilled Shot	List per 1000
12 Ga. Rem. Heavy Duck Load No. 4-5-6 Ch	$55.25
16 Ga. Rem. Heavy Duck Load No. 4-5-6 Ch.	52.25
20 Ga. Rem. Heavy Duck Load No. 5-6-7½ Ch.	50.50

12 Ga. and 20 Ga. Recommended for Duck, Pheasant, Rabbit, Partridge, Prairie Chicken, Grouse

Soft (Drop) Shot	List per 1000
12 Ga. Rem. Heavy Duck Load No. 4-5-6 Soft	$52.25
16 Ga. Rem. Heavy Duck Load No. 4-5-6 Soft	49.25
20 Ga. Rem. Heavy Duck Load No. 5-6-7½ Soft	47.50

Heavy Duck Loads in the 20 Ga. are furnished only in 2¾ in. shells—a real man's load for the Model 17 Remington Pump Gun

Specify Shot Size on Heavy Duck Loads

Recommended for Duck, Pheasant, Hawk, Crow, Rabbit, Partridge, Prairie Chicken, Grouse

Chilled Shot	List per 1000
12 Ga. Rem. Duck Load No. 4-5-6-7½ Ch.	$52.25
16 Ga. Rem. Duck Load No. 5-6-7½ Ch.	49.25
20 Ga. Rem. Duck Load No. 5-6-7½ Ch.	47.50
Soft (Drop) Shot	
12 Ga. Rem. Duck Load No. 4-5-6-7½ Soft	49.25
16 Ga. Rem. Duck Load No. 5-6-7½ Soft	46.25
20 Ga. Rem. Duck Load No. 5-6-7½ Soft	44.50

Specify Shot Size on Duck Loads

Recommended for Quail, Dove, Woodcock, Rail, Plover, Snipe

Chilled Shot	List per 1000
12 Ga. Remington Quail Load No. 8 Ch.	$51.00
16 Ga. Remington Quail Load No. 8 Ch.	48.00
20 Ga. Remington Quail Load No. 8 Ch.	47.50
Soft (Drop) Shot	
12 Ga. Remington Quail Load No. 8 Soft	48.00
16 Ga. Remington Quail Load No. 8 Soft.	45.00
20 Ga. Remington Quail Load No. 8 Soft.	44.50

Recommended for Goose, Fox, Turkey, Raccoon

	List per 1000
12 Ga. Remington Goose Load No. 2 Ch.	$55.25
12 Ga. Remington Goose Load No. 2 Soft	52.25

Recommended for Rabbit, Squirrel

Chilled Shot	List per 1000
12 Ga. Remington Rabbit Load No. 4-6-7½ Ch.	$40.25
16 Ga. Remington Rabbit Load No. 4-6-7½ Ch.	46.25
20 Ga. Remington Rabbit Load No. 4-6-7½ Ch.	45.75
Soft (Drop) Shot	
12 Ga. Remington Rabbit Load No. 4-6-8 Soft	46.25
16 Ga. Remington Rabbit Load No. 4-6-8 Soft.	43.25
20 Ga. Remington Rabbit Load No. 4-6-8 Soft.	42.75

Specify Shot Size on Rabbit Loads

Furnished Only in the Famous Nitro Club Weiproof Shells

Remington Game Loads

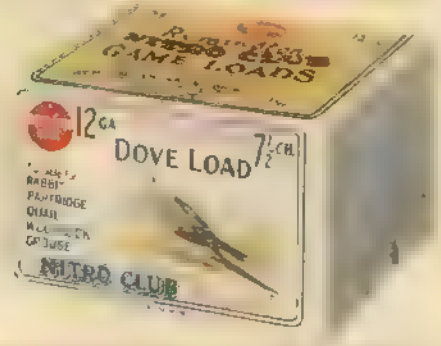
They are thoroughly wetproofed—top wad, crimp and body.

Recommended for Grouse, Partridge, Prairie Chicken, Pheasant, Dove, Rabbit, Duck, Squirrel

	List per 1000
Chilled Shot	
12 Ga. Remington Grouse Load No. 7 Ch.	$52 25
16 Ga. Remington Grouse Load No. 7 Ch.	48.00
20 Ga. Remington Grouse Load No. 7 Ch.	47.50
Soft (Drop) Shot	
12 Ga. Remington Grouse Load No. 7 Soft	49.25
16 Ga. Remington Grouse Load No. 7 Soft	45.00
20 Ga. Remington Grouse Load No. 7 Soft	44.50

Recommended for Squirrel, Rabbit

	List per 1000
Chilled Shot	
12 Ga. Remington Squirrel Load No. 6 Ch.	$51.00
16 Ga. Remington Squirrel Load No. 6 Ch.	48.00
20 Ga. Remington Squirrel Load No. 6 Ch.	47.50
Soft (Drop) Shot	
12 Ga. Remington Squirrel Load No. 6 Soft	48.00
16 Ga. Remington Squirrel Load No. 6 Soft	45.00
20 Ga. Remington Squirrel Load No. 6 Soft	44.50



Recommended for Dove, Quail, Rabbit, Partridge, Grouse, Woodcock

	List per 1000
Chilled Shot	
12 Ga. Remington Dove Load No. 7½ Ch.	$51.00
16 Ga. Remington Dove Load No. 7½ Ch.	48.00
20 Ga. Remington Dove Load No. 7½ Ch.	47.50
Soft (Drop) Shot	
12 Ga. Remington Dove Load No. 7½ Soft	48.00
16 Ga. Remington Dove Load No. 7½ Soft	45.00
20 Ga. Remington Dove Load No. 7½ Soft	44.50

Recommended for Snipe, Rail, Plover, Woodcock, Quail

	List per 1000
Chilled Shot	
12 Ga. Remington Snipe Load No. 9 Ch.	$51.00
16 Ga. Remington Snipe Load No. 9 Ch.	48.00
20 Ga. Remington Snipe Load No. 9 Ch.	47.50
Soft (Drop) Shot	
12 Ga. Remington Snipe Load No. 9 Soft	48.00
16 Ga. Remington Snipe Load No. 9 Soft	45 00
20 Ga. Remington Snipe Load No. 9 Soft	44.50

Recommended for Deer, Black Bear, Wolf, Riot Purposes, Guard Duty

	List per 1000
12 Ga. Remington Buck Shot Load	$53.75

Shot Size No. 0 Eastern same as No. 4 Western Size
12 Pellets in this load.

Trap Loads

Remington Trap Loads are loaded with greatest care in the famous Nitro Club **Wetproof** Shell, with regulation charge of 1⅛ ounces of No. 7½ chilled shot, 2¾ inch shell, and special wadding. A real trap load Patterns even and uniform, shot after shot, whether you shoot a few loads or several hundred Uniform velocity high enough to get real smashing power into the shot charge—fewer dusted targets! Yet the recoil is less—a feature which appeals to every trapshooter.

	List per 1000
12 Ga. Remington Trap Load No. 7½ Ch. Shot	$52.75

Powder specifications accepted for **Trap Loads** only —specify E. C., Deadshot or Dupont Powder.

Furnished Only in the Famous Nitro Club Wetproof Shells.

STEEL ROW BOATS

MULLINS
SULTAN

Modeled on perfect lines and will make an admirable boat for family use where a good capacity is required. Equipped with bottom boards, rowing braces, one pair oarlocks, tying rings at bow and stern, air-tight compartments and one pair 7½ foot straight ash oars. (When ordering specify whether loose or pin type oarlocks are wanted).

	Each
No. 16S—Length 16 ft; beam 60 ins; height at bow 25 ins; at stern 25 ins; amidship 15 ins. Finished in aluminum outside, light blue inside, natural wood trimmings; large air chambers under decks like a life boat	+$237 60

Crated; wt 275 lbs.

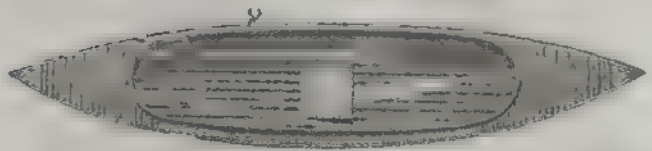
MULLINS
PRINCE

A first class fishing boat, also a very fine family and pleasure resort boat. Equipped with bottom boards, rowing braces, one pair oarlocks, tying rings at bow and stern, air-tight compartments and one pair 7½ foot straight ash oars. (When ordering specify whether loose or pin type oarlocks are wanted).

	Each
No. 14P—Length 14 ft; beam 44 ins; height at bow 22 ins; at stern 21½ ins; amidship 13½ ins. Finished in aluminum outside, light blue inside; natural wood trimmings; air chamber under decks like a life boat.	+$217 80

Crated; wt 235 lbs.

MULLINS
GET THERE



Constructed of heavy gauge, puncture-proof galvanized steel. The bracing is secured by bead shaped steel ribs, riveted at equal distance apart making a light yet strong construction. Recognized as the standard sportsman's boat. Equipped with bottom board, movable seat, oars and oarlocks and one long or short paddle.

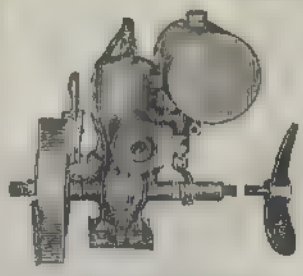
	Each
No. 14GT Length 14 ft, beam 36 ins, height to top of coaming at ends, 12½ ins; height amidship 10 ins. cockpit 9 ft long and 30 ins wide	+$181 50

Crated; wt about 120 lbs.

+F. O. B. Ohio Factory Only.

CANOE GASOLINE MOTOR ATTACHMENTS

CAILLE—Bantam.



Ideal for canoes because of its light weight and occupies a space of only 9x13 inches. It is so light and so compact that it will not affect the stability of the most cranky canoe.

Also suitable installation for rowboats and tenders, especially good for the latter because its light weight permits swinging the tender on davits without danger from weight of the equipment.

Will drive a 17 foot canoe at a speed of 9 to 12 miles an hour. Rowboat 6 to 8 miles an hour

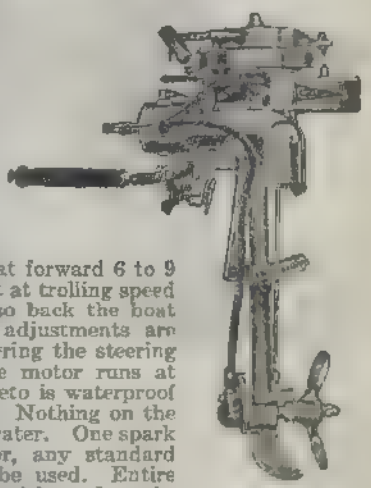
Complete with fuel tank, shaft propeller, muffler and everything but exhaust piping.

	Each
No. 1B—With battery ignition	+$210 45
No. 2B—With magneto in fly-wheel ignition	+ 266 55
Salt Water Fittings Extra	+ 5 10

One in box; wt each 40 lbs.

ROWBOAT GASOLINE MOTOR ATTACHMENTS

CAILLE-FIVE-SPEED MOTOR



This motor represents the last word in rowboat motor design in every detail. It is the only rowboat motor that enables control of the boat like a big launch.

Has five speeds, two forward, two backward and neutral. When set at neutral can leave motor run while boat stands still. Will drive boat forward 6 to 9 miles an hour or can be set at trolling speed of one mile an hour. Also back the boat fast or slow. All speed adjustments are secured by raising or lowering the steering handle in a ratchet while motor runs at normal speed. The magneto is waterproof and wetting wont hurt it. Nothing on the motor will be affected by water. One spark plug goes with the motor, any standard S A E ⅝ inch plug may be used. Entire motor embodies best materials and workmanship. Beautifully finished.

To start motor have it in neutral, then shift from first to second speed so the motor gradually receives the load. This saves quite a strain on the motor and is not possible on any other motor.

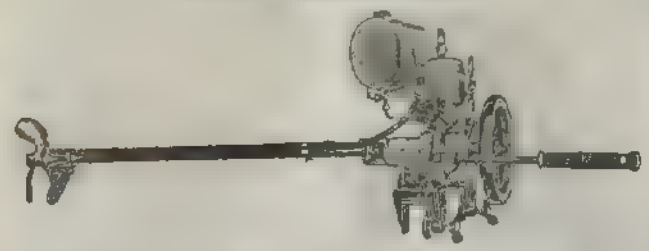
	Each
No. 1FS—With magneto in fly-wheel ignition, **without starting device**	+$308 55
No. 2FS—With magneto in fly-wheel, **with starting device**	+331 50
No. 3FS—With battery ignition, **no starting device**	+252 45

One in box; wt each 85 lbs.

+F. O. B. Michigan Factory Only.

ROWBOAT GASOLINE MOTOR ATTACHMENTS

CAILLE—LIBERTY DRIVE



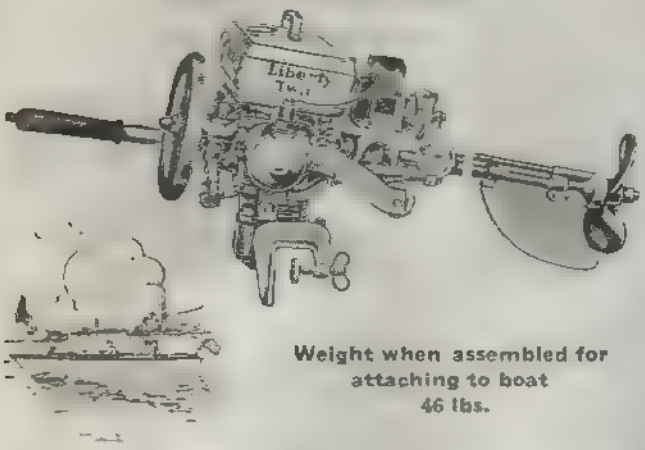
Made with the same high grade materials and workmanship as the famous Five-Speed Motor but it does not embody the five-speed feature nor has it a starter. This motor has made a big hit with sportsmen because of its ability to go through weeds like an eel. It pivots on the stern of the boat in both an up-and-down and sidewise movement. It rises over stones, sunken logs and other obstructions and enables one to motor in very shallow water.

Will drive a boat 7 to 9 mile an hour, or the speed can be reduced to less than 2 miles an hour. One spark plug with each motor, any standard S.A.E. ⅜ inch plug may be used.

	Each
No. 1LO—With battery ignition	+$229 50
No. 2LO—With magneto ignition	+ 255 45
Salt Water Fittings Extra	+ 13 50

One in box; wt each 72 lbs

CAILLE—LIBERTY TWIN



Weight when assembled for attaching to boat 46 lbs.

This motor is a refinement of the single cylinder Liberty drive a motor without gears and with a direct drive from crank shaft to propeller wheel and equipped with rope starter. Motor pivoted so that shaft and wheel will rise and fall when striking and passing over obstructions. Can be used in fresh or salt water without change of equipment. Chrome nickel steel crank shaft ¾ inch in diameter; phospher bronze main bearings, 2½ inches long; solid phospher bronze connecting rods. Shaft easily detachable and telescopic measuring closed 29 inches; extended 43 inches. Cylinders are water jacketed, plunger pump keeps flow of water circulating around cylinders, water cooled exhaust and silencer. Special Bosch H. T. Magneto ignition and Zenith carburetor. Rubber cushion steering handle with speed, steering, ignition and shut-off switch all in one hand control.

Pressed aluminum gasoline tank highly polished, capacity 2 gallons sufficient for 4 hours running.

	Each
No. 1LTM—2 H. P; 200 to 1200 R P M	+$390 00

One in box; ship wt each 85 lbs.

+F. O. B. Michigan Factory Only.

OAR LOCKS

Malleable iron, galvanized, with socket.

	Per Doz Pair
No. 0—Width between horns 1½ ins; wt per pair about 1 lb	$7 95
No. 1—Width between horns 2 ins; wt per pair about 1¾ lb	9 45
No. 2—Width between horns 2¼ ins; wt per pair about 2¼ lbs	10 95

Packed loose.

Malleable iron; plain with side plate.

	Per Doz Pairs
No. 5—Width between horns 1½ ins	$16 95

Packed loose; wt per pair about 2¼ lbs.

North River Pattern.

Malleable iron, galvanized, with pins and sockets.

	Per Doz Pair
No. 10—Width between horns 2 ins	$9 45

Packed loose; wt per pair about 1¼ lbs.

Galvanized malleable iron socket and plate.

	Per Doz Pair
No. 8—Diam hole 2¼ ins	$11 25

Packed loose; wt per doz prs 16 lbs.

CANOE PADDLES

Plain Ends.

Made of best quality, well finished linden with plain, straight 6 inch blade.

Nos.	1CP-5	1CP-5½
Length, ft	5	5½
Wt per pair, lbs	5	6
Per Pair	$7 80	7 80

Packed loose.

BOAT OARS

Plain Ends.

First quality, well finished white ash, with plain straight blade.

Nos.	Length, ft	Wt per pair, lbs	Per Pair
6P	6	5	$7 05
6½P	6½	6	7 95
7P	7	8	8 55
7½P	7½	9	9 00
8P	8	10	9 45

Packed loose.

Copper Tipped.

First quality, well finished white ash, with copper tipped straight blade.

Nos.	Length, ft	Wt per pair, lbs	Per Pair
6T	6	5	$7 95
6½T	6½	6	8 70
7T	7	8	9 45
7½T	7½	9	10 05
8T	8	10	10 50

Packed loose.

GASOLINE LAMPS

COLEMAN QUICK-LITE

The Coleman Principle—In just a few seconds the Coleman Quick-Lite generates into a full brilliance from the heat of common matches. No torch or alcohol required. Gives 300 candle power of pure white light, which is more light than 20 old style oil lamps.

The fount holds three pints of gasoline—enough for eighteen hours continuous service, or 2 or 3 hours every night for an entire week on one filling.

White Opal Shade

Match lighting burner, no alcohol torch required.

The Quick-Lite Lamp is the Match-Lighting Air-O-Lite. It gives a 300 candle-power light of a wonderfully soft and eye-restful quality. It makes and burns its own gas from common gasoline—costs less than half a cent per hour to operate. Has no wicks to trim, no chimney to wash. Can't spill fuel or explode even if upset. Can't be filled while lighted. Burns 18 hours on one filling. Complete with shade, mantles, pump, wrench, hanger cleaning pick and extra generator.

Uses two No. 41 Coleman Junior mantles.

No. CQ329—Made of Brass, nickel plated; white opal glass shade; 300 candle power, diameter of fount 8 inches, capacity 3 pints; height over all 20 inches; shipping weight 10 pounds.....Each **$13.00**

One in a carton.

LAMP SHADES

COLEMAN QUICK-LITE

No. 329—Opal glass, paneled; designed especially for Quick Lite Lamps; diameter 10 inches; weight each 1¾ pounds.....Each **$1.50**

Open stock.

LAMP SCREENS

COLEMAN QUICK-LITE

White Asbestos Coated Wire

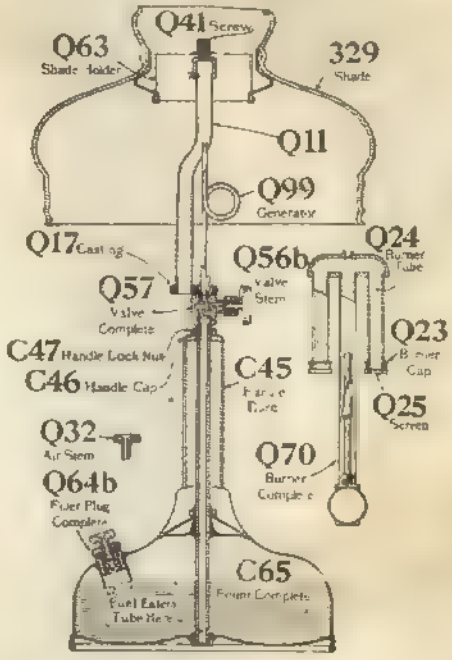
Protects mantels from damage by flying insects. Is held in place by set screw and lowers easily for lighting the lamp. Very popular in the summer time

No. 333—For No. CQ329 Lamp; weight each about ¾ pound .....Each **$1.50**

Open stock.

GASOLINE LAMP PARTS

REPAIRS FOR COLEMAN QUICK-LITE



The "CQ" Quick-Lite lamps are sold with a large variety of shades, the letters designating the kind of lamp and the numbers the style of shade.

The "C" indicates the shape of the fount, the "Q" the Quick-Lite burner, and the numerals the Coleman number of the shade used.

The repair parts except the shade are the same on all "CQ" lamps

Unless otherwise ordered, all parts are furnished in regular nickel finish. If parts are wanted for fancy lamps with colored founts, be sure to specify color of finish required, as: (1) Flemish brass, which is black and brushed brass, (2) Antique gold, which is orange tan; (3) Roman bronze, which is chocolate brown.

Parts listed as "Q" are interchangeable on CQ, BQ or PQ Quick-Lite lamps

No. C5	—Finishing shell	$0.50
No. Q11	—Burner support tube only	.60
No. CL13	—Nipple	.20
No. Q17	—Burner support casting	.20
No. Q18	—Gas tip	.10
No. Q23-25	—Burner cap complete	.30
No. Q24	—Burner tube	.20
No. Q25	—Burner cap screen, 2 for	.10
No. Q26	—Mixing chamber	.80
No. Q32	Air stem	.30
No. C35	Handle metal washer 3 for	.10
No. Q36	—Lead gasket, 2 for	.10
No. AQ38	—Extension feed tube	.60
No. Q41	Shade holder screw	.10
No. C45	—Handle (fibre only)	.40
No. C45b	-Handle complete (handle, cap and hat)	.60
No. C46	—Fibre handle cap	.10
No. C47	—Handle lock nut	.10
No. Q56b	—Valve stem and nut	.40
No. Q57	—Valve complete	1.00
No. Q63	—Shade holder complete	.40
No. Q64b	—Filler plug complete	.80
No. C65	—Fount complete	7.50
No. C69	—Hanger	.10
No. Q70	—Burner, generator and valve, assembled	4.00
No. Q99	Generator complete	.50
No. Q	—Pump	1.00
No. Q	—Pump leather	.10
No. Q	—Wrench	.30
No. Q	—Tip wrench	.10
No. Q	—Tip cleaning needle	.10

KITCHEN SIDE LAMPS

RADIANT

Japanned steel frame, bright tin reflector, glass filler fount

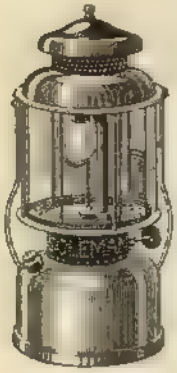
Radiant—Complete with No 2 Sun burner with 1 inch wick and No. 2 Sun chimney; weight per dozen about 25 pounds.....Per Dozen $12.00

Half dozen in a box

GASOLINE LANTERNS

COLEMAN QUICK-LITE

Note—No. LQ327 is the regular Quick-Lite lantern which is rapidly replacing all other styles. It is intended for gasoline and when this fuel is used lights easily with common matches.



Mica Chimney

For watchmen, warehousemen, janitors, dockmen, plumbers, builders, station men, etc. On the farm, for camping, night fishing, automobile trips, and a thousand other uses, it fills a great need

It can't blow out as it is wind-proof and rainproof. Can't spill fuel even if tipped over. Can't be filled while lighted. It burns perfectly in any wind, at any temperature. It gives a brilliant light in hundreds of places where the oil lantern is useless.

Burns 12 hours on a single filling, or more than 40 hours per gallon of fuel used. Uses two No. 41 Coleman Junior mantles.

A regular daylight maker. It gives a brilliant light of 300 candle power. It is far brighter than the ordinary electric bulb and gives a light equal to twenty old style oil lanterns

The Quick-Lite generates into full brilliance from the heat of common matches. There is no hunting around for an alcohol torch. Just use two matches and in a few seconds you have a wonderful light

No. LQ327—Brass, nickel plated; capacity of fount 3 pints; height of lantern 14 inches; diameter of fount 6 inches; mica chimney and reflector; complete with chimney, mantels, pump wrench, cleaning pick and extra generator; shipping weight each about 6 pounds .....Each $11 00

One in a box.

LANTERN CHIMNEYS

COLEMAN QUICK-LITE

Mica

For use on No LQ327 Coleman Quick-Lite gasoline lantern

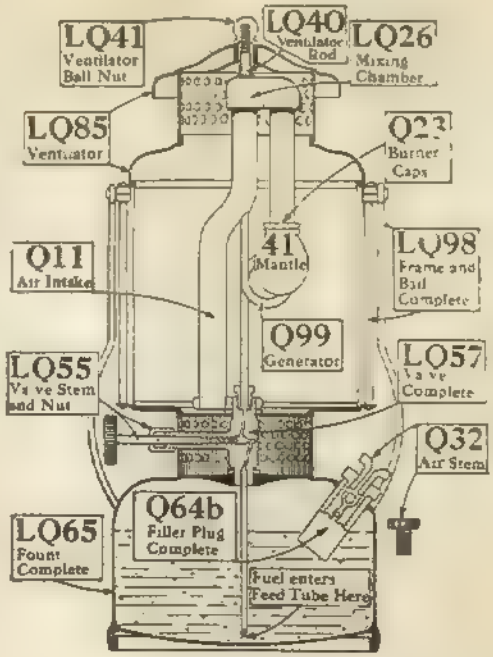
No. 327—Complete with reflector.....Each $0 75

No. 327½—With mica only.....Each .75

One in a box.

GASOLINE LANTERN PARTS

REPAIRS FOR COLEMAN QUICK-LITE



Under the new system of numbering the Quick-lite lantern has been changed from QL327 to LQ327 the "L" indicating the fount, the "Q" the burner and the number, the style of mica chimney used

Orders for repair parts for this lantern will be properly filled whether specified QL or LQ.

Note—On all 1922 Quick-Lite lanterns, a new feature will be noted in the LQ baffle plate which attaches to the Q11 and is supported by the Q89 base rest. This admits cool fresh air to the burner at all times and prevents the overheating of the lower parts of the lantern

			Each
No.	Q11	—Burner support tube only	$0 60
No.	Q17	—Burner support casting	.20
No.	Q18	—Gas tip	.10
No.	LQ19	—Burner frame washer	.10
No.	LQ20	—Air baffle plate	.10
No.	Q23	—Burner cap complete	.30
No.	Q24	—Burner tube	.20
No.	Q25	—Burner cap screens, 2 for	.10
No.	LQ26	—Mixing chamber	.80
No.	LQ32	—Air stem	.30
No.	Q36	—Lead gasket, 2 for	.10
No.	LQ40	—Ventilator rod	.10
No.	LQ41	—Ventilator ball nut	.10
No.	LQ55	—Valve stem and nut	.40
No.	LQ57	—Valve, complete	1.00
No.	Q64b	—Filler plug complete	.80
No.	LQ65	—Fount complete	6 00
No.	LQ70	—Burner, generator and valve assembled	3.50
No.	LQ85	—Ventilator complete	2.40
No.	LQ89	—Globe base rest	.60
No.	LQ98	—Frame and bail	1.60
No.	Q99	—Generator	.50
No.	Q	—Pump	1.00
No.	Q	—Pump leathers	.10
No.	LQ	—Wrench	.30
No.	Q	—Tip wrench	.10
No.	Q	—Tip cleaning needle	.10

WRENCHES

CRESCENT ADJUSTABLE DISPLAY ASSORTMENTS

No. DB-5

No. DB-5

The Display Board is made of quartered oak, natural finish and will bear favorable comparison with the finest store fixtures.

A transfer is mounted on each board showing the wrenches in life size and actual color. The lettering is in gold.

Hooks on the board allow an assortment to be carried and sold direct from the board.

Size of board, 25x25 inches.

Assortment contains the following tools:

		Each
6 only—	4 in. Genuine Crescent Wrenches	$0.65
12 only—	6 in Genuine Crescent Wrenches	.65
12 only—	8 in. Genuine Crescent Wrenches	.80
6 only—	10 in. Genuine Crescent Wrenches	1.00
3 only—	12 in Genuine Crescent Wrenches	1.50
1 only—	15 in Genuine Crescent Wrench	2.25
1 only—	18 in. Genuine Crescent Wrench	3.25
6 only—	6-8 in. Genuine Crescent Wrenches	1.25
3 only	-8-10 in. Genuine Crescent Wrenches	1.50

No.	Wt. per asst.	Per asst.
DB-5	70 lbs.	$49.30

One assortment in a wooden case.

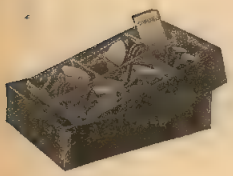
No. DB-9

Assortment consists of six each 6 and 8-inch genuine Crescent Wrenches. Three of each size are mounted on a heavy display card, and three of each size are packed in individual cartons. The complete assortment is packed in a heavy shipping carton.

No.	Size of card	Wt. asst.	Per asst.
DB-9	8 ½x11 in.	6 ½ lbs.	$8.70

One assortment in a carton.

No. DB-9



No. RP-1

CRESCENT WRENCH PART ASSORTMENTS

No. RP-1

Cardboard container with compartments for each size. Contents as follows.

Jaws	Knurls	Pins	Springs
2 only 4 in.	2 only 4 in.	2 only 4 in.	2 only 4 in.
5 only 6 in.	3 only 6 in.	3 only 6 in.	3 only 6 in.
4 only 8 in.	4 only 8 in.	3 only 8 in.	3 only 8 in.
2 only 10 in.	2 only 10 in.	2 only 10 in.	3 only 10 in.
1 only 12 in.	1 only 12 in.	1 only 12 in.	2 only 12 in.

No.	Wt. per asst.	Per asst.
RP-1	2 lbs.	$7.18

WRENCHES

CRESCENT ADJUSTABLE

Engineers' standard 22½-degree angle jaws. Drop forged steel handle, 4 to 12 inch, polished; 15 and 18-inch handle, black. Especially adapted for automobiles, gas engines, and all machines requiring a high grade adjustable wrench. **Fully warranted.**

REGULAR

NOS. A-14 TO A-118

No.	Length	Opens	Wt each	Each
A-14	4 in.	⅞ in.	3 ozs.	**$1.00**
A-16	6 in.	¾ in.	5 ozs.	**1.00**
A-18	8 in.	1⅛ in.	10 ozs.	**1.20**
A-110	10 in.	1⅛ in.	1 lb	**1.55**
A-112	12 in.	1⅜ in.	2 lbs.	**2.35**
A-115	15 in.	1 11/16 in.	4⅛ lbs.	**3.50**
A-118	18 in.	2 1/16 in.	7 lbs.	**5.05**

One in a box.

DOUBLE END

NOS. B-146 TO B-11012

No.	Size	Opens	Wt. each	Each
B-146	4-6	⅛ and ⅝ in.	6 ozs.	**$1.70**
B-168	6-8	⅝ and 1⅛ in.	10 ozs.	**1.95**
B-1810	8-10	1⅛ and 1⅛ in.	1 lb.	**2.35**
B-11012	10-12	1⅛ and 1 7/16 in.	2¼ lbs.	**3.10**

One in a box.

CRESCENT EXTRA PARTS

Size, inches	4	6	8	10	12	15	18
Jaws, each	**$0.25**	**.25**	**.30**	**.40**	**.60**	**.85**	**1.15**
Thumb Screws, each	**.10**	**.10**	**.12**	**.15**	**.25**	**.35**	**.55**
Pins, each	**.05**	**.05**	**.05**	**.05**	**.10**	**.10**	**.10**

CRESCENT AUTO

No. 019

Entirely forged from special analysis steel Hardened and oil tempered. Accurately milled teeth. Hand polished finish.

No.	Length	Opens	Wt. each	Each
019	9 in.	3 in.	1 lb.	**$1.00**

One in a box.

MASTERENCHES

No. 8

"Its vise-like grip will never slip."

Fits every nut from ½ to 1⅛ inches outside diameter, without adjustment.
Positive ratchet action on hexagon nuts.
Takes hold instantly, without adjustment.
Drop forged steel throughout. **Fully warranted.**

No.	Length	Wt. each	Each
8	8 in.	9 ozs.	**$1.50**

One in a box; six in a carton

Electric Table Lamps

Complete with silk Cord and Chain Pull Sockets.

J75075—Two light, black and white porcelain vase with decorations of pink roses, old gold metal base, 22 inch blue and gold silk shade with heavy silk fringe, height 26 inches **Each 50 00**

J75077—Two light, black glazed pottery vase with bronze metal base, 18 inch glaze parchment shade with gold silk lining and heavy black fringe, the top of the shade is decorated in natural color and being transparent gives a very handsome effect, height 23 inches **Each 30 00**

J75076—Two light, dark blue glazed porcelain base with polished gold metal trimmings, 20 inch figured maroon colored silk shade, rose silk lined with 5 inch heavy two colored silk fringe, length 26 inches, a very handsome lamp ..... **Each 90 00**

J75078—Two light, dark bottle green astra glass base, gold trimmed, the base has the appearance of dark green enamel with a lustrous sparkle; complete with 20 inch octagon silk shade, taupe top with yellow silk lining, gold braid and heavy black and gold silk fringe, height 24¼ inches... ...**Each 70 00**

J75079—Two light, black glazed pottery vase with bronze metal base, 20 inch oblong black georgette silk shade with gold silk lining and heavy black fringe; height 24 inches ..... **Each 48 50**

Electric Table Lamps

COMPLETE WITH SILK CORD AND CHAIN PULL SOCKETS

J75089—Two light; metal base; finished in old ivory and polychrome complete with 18 inch silk shade, has taupe silk top with rose silk lining, gold braid trimming and 4 inch gold and black silk fringe, height of lamp 24 inches ..... Each 45 00

J75081—Two light, black glazed pottery vase with bronze metal base; 19 inch octagon black silk georgette shade with rose silk lining and heavy black silk fringe, height 21 inches ..... Each 45 00

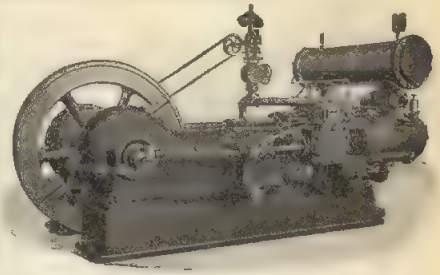
J75082—Two light, burnt orange color glazed pottery vase with bronze metal base, 20 inch oblong blue silk georgette shade with rose silk lining and heavy blue silk fringe, gold plated finial top with jewel pendant, height 22 inches Each 47 50

J75083—Two light black glazed pottery vase with bronze metal base, 16 inch parchment effect shade with parrot and floral decorations in bright colors on a shaded background; height 21 inches ..... Each 25.00

J75084—Two light, black glazed pottery vase with bronze metal base, 15 inch parchment effect shade with dancing silhouette figures and trees in black on a shaded background; height 20 inches ..... Each 22 50

Gardner Horizontal Air Compressors

Duplex, Belt Driven, Two Stage



Duplex, Steam Driven, Two Stage

Two-stage compression consists in compressing air in consecutive cylinders, the air being cooled between the stages of compression.

Air is admitted into the low pressure cylinder at atmospheric pressure and is compressed to a pressure determined by cylinder ratios Compressing air raises its temperature so it is then passed through an intercooler, where the air is broken up into thin streams and cooled by the nest of tubes, within the intercooler, through which cold water is continuously circulating. The temperature of the air is reduced to approximately the temperature of the atmosphere, after which it passes into the high pressure cylinder where it is compressed to the final pressure desired and discharged, under that pressure, into the air receiver.

The efficiency of two-stage compression is high and therefore an economy is effected by using this type machine. The same general construction is carried out in the two-stage type as is found in the single stage machines.

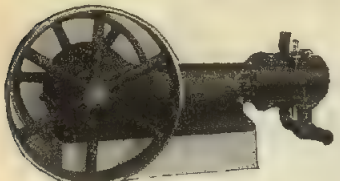
Duplex, Belt-Driven, Two-Stage

Displacement Cu Ft Per Min			Size Cylinder			Revolutions Per Minute		Brake Horse Power		Pipe Openings			Band Wheel		Floor Space			WEIGHT On Skids	Price
Maximum Speed	Normal Speed	Maximum Pressure	Low Pressure	High Pressure	Stroke	Maximum	Normal	Maximum Speed	Normal Speed	Suction	Discharge	Jacket, In.	Diameter	Face	Length, Ft. Inches	Width, Ft. Inches	Height, Ft Inches		
68	49	350	6	3	6	350	250	19	14	2	1	¾	36	8¼	5- 7	4-2	4-11	2575	$1375.00
122	87	350	8	4	6	350	250	34	24	3	1¼	¾	36	8¼	5-11	4-3	4-10	2875	1550.00
259	204	250	10	5	10	285	225	63	50	3½	1½	⅞	56	12⅝	8- 6	5-1	4- 7	6500	2200.00
423	314	250	12	6	12	270	200	103	76	4½	2	⅞	72	14½	10- 3	5-2	5- 9	10750	3000.00
507	401	125	14	9	10	285	225	94	75	5	3	⅞	56	12¾	8- 5	5-1	5- 3	8150	2700.00
582	460	125	15	9	10	285	225	108	86	5	3	⅞	56	12¾	8- 5	5-1	5- 3	8300	2760.00
753	558	125	16	10	12	270	200	140	104	6	4	¾	72	14½	10- 2	5-4	6- 5	11175	3350.00
851	630	125	17	10	12	270	200	158	117	6	4	¾	72	14½	10- 2	5-4	6- 5	11700	3450.00
954	707	125	18	12	12	270	200	177	132	6	4½	¾	72	18¾	10- 3	6-9	6- 9	15600	4150.00
1180	873	100	20	12	12	270	200	197	146	8	4½	¾	72	18¾	10- 5	6-9	6- 9	16000	4335.00

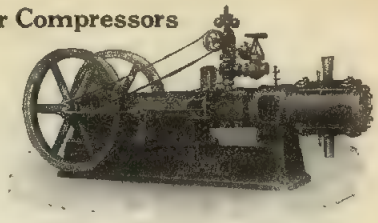
Duplex, Steam-Driven, Two-Stage

Displacement Cu Ft Per Min.			Size Cylinder				Revolutions Per Minute		Indicated Horse Power		Pipe Openings					Flywheel		Floor Space			WEIGHT On Skids	Price
Maximum Speed	Normal Speed	Maximum Pressure	Steam Cylinder	Low Pressure Air Cylinder	High Pressure Air Cylinder	Stroke	Maximum	Normal	Maximum Speed	Normal Speed	Suction	Discharge	Steam Inlet	Exhaust	Jacket, In.	Diameter	Face	Length, Ft. Inches	Width, Ft. Inches	Height, Ft. Inches		
68	49	350	6	6	3	6	350	250	19	14	2	1	1¼	2	¾	36	3½	7- 1	4-4	4-2	3400	$1700.00
122	87	350	6	8	4	6	350	250	34	24	3	1¼	1½	2	¾	36	3½	7- 3	4-4	4-2	3700	1900.00
259	204	250	9	10	5	10	285	225	63	50	3½	1½	3	4	⅞	48	4¾	10- 3	6-2	6-3	8000	3000.00
423	314	250	10	12	6	12	270	200	103	76	4½	2	3½	4½	⅞	54	5	11-11	6-3	6-5	13250	3925 00
507	401	125	9	14	9	10	285	225	94	75	5	3	3	4	⅞	48	4¾	10- 2	6-2	6-3	10078	3890.00
582	460	125	9	15	9	10	285	225	108	86	5	3	3	4	⅞	48	4¾	10- 2	6-2	6-3	10225	3560.00
753	558	125	10	16	10	12	270	200	140	104	6	4	3½	4½	¾	54	5	11-11	6-3	6-5	13650	4300.00
851	630	125	10	17	10	12	270	200	158	117	6	4	3½	4½	¾	54	5	11-11	6-3	6-5	13850	4400.00
954	707	125	12	18	12	12	270	200	177	132	6	4½	4	6	¾	56	4¾	12- 7	7-2	7-9	19000	5200.00
1180	873	100	12	20	12	12	270	200	197	146	8	4½	4	6	¾	56	4¾	12- 9	7-2	7-9	19500	5400.00

Gardner Horizontal Air Compressors



Single Cylinder



Class "B-S" Belted

Class "S-S" Steam Driven

Enclosed, automatic self-oiling type, permitting higher speeds than the older style open frame machines. Massive frames, bored guides, balanced fly-wheels, light seating valves, easy adjustments. Discharge valves, steel and cup shaped, poppet type, light and durable—inlet valve is a ground light steel disc—seating very quietly. Valves are set radially, giving good cooling—around cylinder walls also through both heads. Piston is double acting with spring rings—travels with minimum clearance, 1-32 to 1-16, giving high volumetric efficiency. First four sizes are of the open frame type.

Class B. S. Belt Driven

Displacement Max. Speed Cu. Ft. Per Min.	Displacement Normal Speed Cu. Ft. Per Min.	Max. Pressure	Diam. Cylinder	Stroke	R. P. M. Max.	R. P. M. Normal	Brake Horse Power Max. Speed	Brake Horse Power Normal Speed	Price Complete Compressor with Suction Unloader	Price Complete Compressor without Suction Unloader	Price Extra Last Short Belt Drive, No Belt	Weight On Skids
68	49	150	6	6	350	250	12.3	8.8	$515.00	$480.00	$45.00	1400
93	66	120	7	6	350	250	17	12	550.00	515.00	45.00	1425
122	87	90	8	6	350	250	21	15	585.00	550.00	45.00	1550
191	136	40	10	6	350	250	22	16	645.00	605.00	45.00	1800
139	105	125	8	8	300	225	26	20	785.00	750.00	60.00	2475
177	133	100	9	8	300	225	29	22	845.00	805.00	60.00	2550
218	164	70	10	8	300	225	33	24	900.00	860.00	60.00	2675
314	236	40	12	8	300	225	36	27	1030.00	970.00	60.00	2850
427	320	25	14	8	300	225	36	27	1130.00	1080.00	60.00	3250
210	165	125	9	10	285	225	41	31	1040.00	1005.00	85.00	2870
259	204	100	10	10	285	225	45	36	1100.00	1060.00	85.00	3035
373	294	60	12	10	285	225	52	41	1200.00	1150.00	85.00	3300
507	401	35	14	10	285	225	54	43	1395.00	1375.00	85.00	3600
582	460	30	15	10	285	225	57	45	1385.00	1335.00	85.00	3750
293	218	125	10	12	270	200	58	43	1280.00	1230.00	100.00	3950
355	263	115	11	12	270	200	68	50	1330.00	1280.00	100.00	4050
423	314	100	12	12 L.	270	200	74	55	1380.00	1330.00	100.00	4225
575	426	55	14	12 L.	270	200	77	57	1475.00	1425.00	100.00	4800
753	558	35	16	12 L.	270	200	81	60	1600.00	1535.00	100.00	5200
851	630	30	17	12 L.	270	200	83	61	1670.00	1605.00	100.00	5400
954	707	25	18	12 L.	270	200	81	60	1740.00	1675.00	100.00	5750

Fittings—Price of complete compressor includes handwheel, flywheel, sight feed lubricator for air cylinder, fibrous packing for all stuffing boxes, and all necessary special wrenches.

Class S. S. Steam Driven

Displacement Max. Speed Cu. Ft. Per Min.	Displacement Normal Speed Cu. Ft. Per Min.	Max. Pressure	Diam. Steam Cylinder	Diam. Air Cylinder	Length of Stroke	R. P. M. Max.	R. P. M. Normal	Horse Power Max. Speed	Horse Power Normal Speed	Price Complete Compressor	Weight On Skids
68	49	150	6	6	6	350	250	12.3	8.8	$ 940.00	1850
93	66	120	6	7	6	350	250	17	12	975.00	1875
122	87	90	6	8	6	350	250	21	15	1010.00	2000
191	136	40	6	10	6	350	250	22	16	1100.00	2250
139	105	125	8	8	8	300	225	26	20	1245.00	3330
177	133	100	8	9	8	300	225	29	22	1300.00	3500
218	164	70	8	10	8	300	225	33	24	1345.00	3675
314	236	40	8	12	8	300	225	36	27	1445.00	3950
427	320	25	8	14	8	300	225	36	27	1555.00	4200
210	165	125	9	9	10	285	225	41	31	1550.00	4330
259	204	100	9	10	10	285	225	45	36	1600.00	4500
373	294	60	9	12	10	285	225	52	41	1700.00	4765
507	401	35	9	14	10	285	225	54	43	1825.00	5050
582	460	30	9	15	10	285	225	57	45	1885.00	5200
293	218	125	10	10	12	270	200	58	43	1870.00	5950
355	263	115	10	11	12	270	200	68	50	1930.00	6025
423	314	100	10	12	12	270	200	74	55	1990.00	6250
575	426	55	10	14	12	270	200	77	57	2110.00	6825
753	558	35	10	16	12	270	200	81	60	2230.00	7225
851	630	30	10	17	12	270	200	83	61	2310.00	7425
954	707	25	10	18	12	270	200	81	60	2400.00	7775

Fittings—Price of complete compressor includes speed and pressure governor, throttle valve, mechanically operated lubricator, fibrous packing for all stuffing boxes and all necessary special wrenches

RAZORS

GENCO

Made from the finest quality razor steel, carefully tempered, hollow ground; best grade polishing material used to obtain highly colored finish; honed ready for use.

OLD DUTCH

Imitation oak handle, oval with fancy metal ornaments; blade forged with special shoulder; extra full concave; highly colored polish. Barber, half-round or quarter-honed points.

Each

Old Dutch—Blade Widths, 5/8, 5/8 and 6/8 Inch; Weight Each, 2 Ozs. **$5.00**

GOLD SEAL

Transparent amber handle, flat with beveled edges, blade extra full concave; oval tang; highly polished, with back and tang heavily gold plated. Barber, half-round or quarter-honed points.

Each

Gold Seal—Blade Widths, 5/8, 5/8 and 6/8 Inch, Weights Each, 2 Ozs. **$5.00**

EXPERT

Imitation ivory handle, flat with beveled edges and round ends; blade ground extra full concave; highly polished; colored. Designed especially for those who can handle an extremely flexible blade. Barber, half-round or quarter-honed points.

Each

Expert—Blade Widths, 5/8, 5/8 and 6/8 Inch; Weight Each, 2 Ozs. **$5.00**

Each Razor in a Box

RAZORS

GENCO

Forged from the finest quality razor steel, uniformly hardened and tempered, carefully ground, honed and set ready for use.

DE ROMA

Plain blade, highly polished with crocus back and tang, extra full concave; oval ivory handle with metal ornaments. Barber, half-round or quarter-honed points.

Each

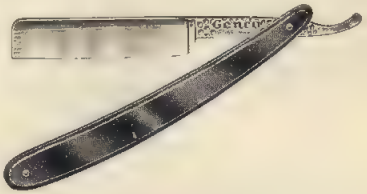
De Roma—Blade Widths, 4/8 and 5/8 Inch; Weight Each, 2 Ozs. **$5.00**

ARMY AND NAVY

Blade ground extra full concave, highly polished, half-round or quarter-honed points; oval imitation ivory handle with round ends. Especially recommended for the man with a hard stiff beard.

Each

Army and Navy—Blade, Widths, 5/8 and 6/8 Inch; Weight Each, 2¾ Lbs. **$5 00**



FORGE MARK

Extra full concave, highly polished with natural forge finish tang, Flat Black Rubber handle with beveled edges. Barber, half-round or quarter-honed points.

Each

Forge Mark—Blade Widths, 5/8, 5/8 and 6/8 Inch; Weight Each, 2½ Ozs. **$5.00**

Each Razor in a Box

EXTRA RAZOR HANDLES

Black hard rubber handles ready for blade to be riveted in. Flat or oval sides; For ½, 5/8, 6/8 and 7/8 Inch Razor Blades.

Per Dozen

Any Size **$2.00**

RAZORS

GENCO

Forged from the finest quality razor steel, uniformly hardened and tempered, carefully ground, honed and set, ready for use.

SENECA CHIEF

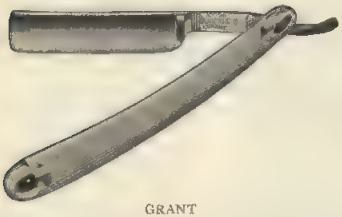
Ground concave and finely polished half-round or quarter-honed points, oval cocabolo handle with metal tips.

	Each
Seneca Chief—Blade Widths, 5/8 and 6/8 Inch; Weight Each, 2¾ Ozs.	**$4.50**

MASTER BARBER

Extra full concave; oval tang; highly polished; flat ivory handle, barber, half-round or quarter-honed points.

	Each
Master Barber—Blade Widths, 5/8, 5/8 and 6/8 Inch. Weight Each, 2¾ Ozs.	**$4.50**



GRANT

Forged with oval tang, ground with special concave; special colo polish; half-round or quarter-honed points; imitation ivory oval handle with metal tips.

	Each
Grant—Blade Widths, 5/8 and 6/8 Inch; Weight Each, 2½ Ozs.	**$3.75**

Each Razor in a Box

RAZORS

GENCO

Forged from the finest quality razor steel, uniformly hardened and tempered, carefully ground, honed and set, ready for use.

HEAVY

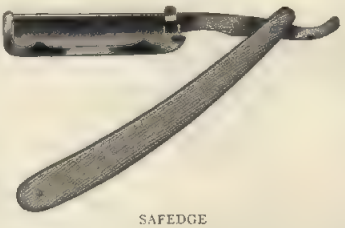
Ground half concave with staff bevel finely polished half-round or quarter-honed points, imitation ebony oval handle with metal tips.

	Each
Heavy—Blade Widths, 5/8 and 6/8 Inches; Weight Each, 2½ Ozs.	**$3.50**

HENRY'S XXX

Ground ¾ concave with high thin bevel; extremely fine polish; half-round or quarter-honed points; imitation gray pearl handle, oval with metal tips.

	Each
Henry's XXX—Blade Widths, 5/8, 5/8 and 6/8 Inch; Weight Each, 2¾ Ozs.	**$2.75**



SAFEDGE

Hollow ground, finely polished, especially built with safety guard attached; guard is reversible and can be used on either side of razor; can be removed quickly for stropping, cleaning or honeing; blade and guard fold entirely into the handle· ⅝ inch width.

	Each
Safedge—Imitation Ivory Handle; Weight Each, 3 Ounces.	**$4.00**

Each Razor in a Box

SAFETY RAZORS

GILLETTE—NEW IMPROVED TYPE

TRAVELER

Complete shaving outfit in leather case, purple velvet lined. New improved Gillette razor, shaving brush and stick soap in metal containers. Ten blades in metal blade box.

	Wt each	Each
Traveler, Silver	15 ozs.	$ 7.50
Traveler, Gold	15 ozs.	10.00

CHIPPENDALE

Handsome engine-turned case and blade box. Chippendale silver has heavy silver plated razor, case and blade box, whereas Chippendale gold has gold plated razor, case and blade box. Ten blades.

	Wt each	Each
Chippendale, Silver	10 ozs.	$ 9.00
Chippendale, Gold	10 ozs.	10.00

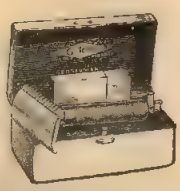
CHESTERFIELD

Flat style, handsome engine-turned case and blade box. Purple velvet lined. Chesterfield silver has heavy silver plated razor, case and blade box.

Chesterfield gold has heavy gold plated razor, case and blade box. Ten blades.

	Wt each	Each
Chesterfield, Silver	8 ozs.	$ 9.00
Chesterfield, Gold	8 ozs.	10.00

BOSTONIAN



Opening of cover automatically raises tray containing razor and blade box. Bostonian silver has heavy silver plated razor, case and blade box. Bostonian gold has gold plated razor, case and blade box. Ten blades.

	Wt each	Each
Bostonian, Silver	10 ozs.	$5.00
Bostonian, Gold	10 ozs.	6.00

RICHWOOD

Mahogany finished wood case. Richwood silver has silver plated razor and blade box. Richwood gold has gold plated razor and blade box. Ten blades.

	Wt. each	Each
Richwood, Silver	6 ozs.	$5.00
Richwood, Gold	6 ozs.	6.00

TUCKAWAY

A small, compact set. Tuckaway silver has silver plated razor, case and blade box. Tuckaway gold has gold plated razor, case and blade box. Ten blades

	Wt each	Each
Tuckaway, Silver	7 ozs.	$5.00
Tuckaway, Gold	7 ozs.	6.00

All the above, one in a box.

SAFETY RAZORS

GILLETTE—NEW IMPROVED TYPE

BIG FELLOW

Selected natural finished gumwood case. Long, thick handle Silver plated razor and blade box. Big Fellow Gold has gold plated case and blade box. Ten blades.

	Wt. each	Each
Big Fellow, Silver	9 ozs.	**$5.00**
Big Fellow, Gold	9 ozs.	**6.00**

ARISTOCRAT

Imitation ivory case, purple velvet and satin lined. Has gold plated, new improved Gillette razor. Blade box to match case. Ten blades.

	Wt. each	Each
Aristocrat	7 ozs.	**$6.00**

MILADY DECOLLETTE

Imitation ivory case, old rose velvet and satin lined. An appropriate set for ladies. To keep the under-arm smooth. Consists of special gold plated razor and blade box. Ten blades.

	Wt. each	Each
Milady Decolette	5 ozs.	**$6.00**

Above, one in a box.

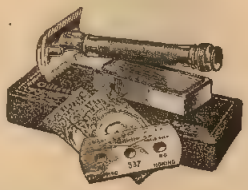
NEW STANDARD

Genuine leather covered case, purple velvet and satin lined. New Standard silver has triple plated razor and blade box. New Standard Gold has gold plated razor and blade box. Ten blades.

	Wt each	Each
New Standard, Silver	7 ozs.	**$5.00**
New Standard, Gold	7 ozs.	**6.00**

One in a box.

SHAWMUT



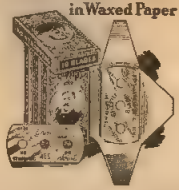
Handsome two-tone green case, velveteen lined. Panelled cover with attractive gold border. A genuine gold plated old type razor and blade box. One blade

	Wt. each	Each
Shawmut	5 ozs.	**$1.00**

One in a box, twelve in a carton.

BLADES

Genuine Gillette Blades in Waxed Paper



Gillette (new process) double edged wafer blades Each double edged blade is wrapped in waxed paper and placed in a sealed package of either five or ten blades.

	Wt. per carton	Per pkg.
Gillette Blades, package of 5s	7 ozs.	**$0.50**
Gillette Blades, package of 10s	6 ozs.	**1.00**

Twenty packages of 5s in a carton.

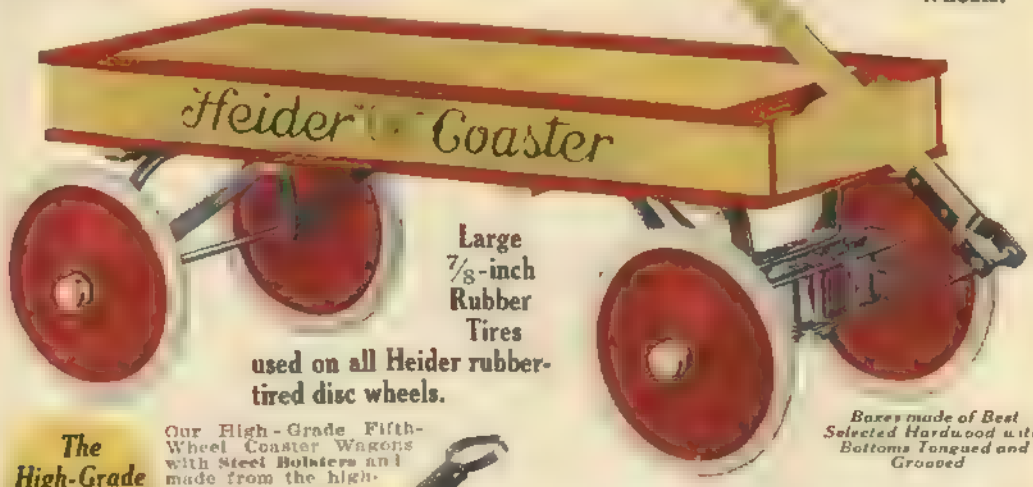
Ten packages of 10s in a carton.

Heider-Coasters.

THIS **Patented Auto-Axle Non-Tip Coaster Wagon with Steel Bolsters** will get business for you. It is something new and very attractive. It is a good seller because it fairly bristles with good selling points. Good features, the sensible kind, stick out all over it. The Auto-Axle Coaster Wagon is almost impossible to upset. The reason is self-evident if you look at the way the front axle is made. No danger in coasting or upsetting a load. Safe for the kids. Weight on front axle does not overbalance the wagon in turning. The exclusive good points appeal to every man and woman, and to all the boys and girls. You can sell these Coaster Wagons because they have the good talking and good selling points. Will give satisfaction and help to establish a permanent trade

The Auto-Axle Non-Tip Wagon

Heider Wagons are equipped with either Wood, Malleable or Disc Wheels.



Large 7/8-inch Rubber Tires used on all Heider rubber-tired disc wheels.

Boxes made of Best Selected Hardwood with Bottoms Tongued and Grooved

The High-Grade Fifth-Wheel Wagon

Our High-Grade Fifth-Wheel Coaster Wagons with **Steel Bolsters** and made from the highest quality materials, perfect in construction, in a thoroughly modern factory with latest improved machinery and by experienced workmen who know how to make good wagons

AUTO-AXLE NON-TIP WAGONS.

Wheels	Tires	Box	No.	Wheels	Tires	Box	No.
Wood	Steel	14x32 in.	36	Disc	Steel	14x32 in.	19
Wood	Steel	14x36 in.	60	Disc	Steel	14x36 in.	20
Wood	Steel	16x36 in.	36	Disc	Steel	16x36	39
Wood	Steel	16x40 in.	46	Disc	Steel	16x40	49
Malleable	Malleable	14x32 in.	18	Disc	Rubber	14x32 in.	9 R
Malleable	Malleable	14x36 in.	28	Disc	Rubber	14x36 in.	29 R
Malleable	Malleable	16x36 in.	38	Disc	Rubber	16x36 in.	39 R
Malleable	Malleable	16x40 in.	48	Disc	Rubber	16x40 in.	49 R

"Heider and Quality" Go Together.

Always Give Wagon Numbers On Your Order

Large malleable fifth-wheel, steel steering mechanism and braces. Cold rolled steel axles. They are better made, stronger, more carefully finished than any other coaster wagons on the market. Special construction features insure long and satisfactory service under all conditions

HIGH-GRADE FIFTH-WHEEL WAGONS.

Wheels	Tires	Box	No.	Wheels	Tires	Box	No.
Wood	Steel	14x32 in.	56	Disc	Steel	14x32 in.	59
Wood	Steel	14x36 in.	60	Disc	Steel	14x36 in.	69
Wood	Steel	16x36 in.	76	Disc	Steel	16x36 in.	79
Wood	Steel	16x40 in.	86	Disc	Steel	16x40 in.	89
Malleable	Malleable	14x32 in.	58	Disc	Rubber	14x32 in.	59-R
Malleable	Malleable	14x36 in.	68	Disc	Rubber	14x36 in.	69-R
Malleable	Malleable	16x36 in.	78	Disc	Rubber	16x36 in.	79-R
Malleable	Malleable	16x40 in.	88	Disc	Rubber	16x40 in.	89-R

Heider-Young America Coasters.

LATEST TYPE DISC WHEELS.

The above illustration of the Heider improved disc wheel is the latest feature [illegible] to. This wheel is made of two steel discs.

LARGE 7/8-INCH RUBBER TIRES.

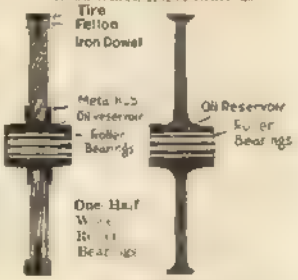
Such heavy-duty construction makes the disc wheel indestructible from any kind of ordinary use. The hub bearing is 2½ inches with self-contained roller type bearings. Nickel-plated hub caps cover the hub-nuts protecting the bearings from dust and dirt. Besides being the most durable wheel for all-around wear it is very attractive. Heider disc wheels may be obtained with steel tires in place of rubber if desired.

HERE are shown the wood, malleable and disc wheels used on the Heider Coaster Wagons. Also illustrations of the roller bearings, which make these wagons run so easily. Note extra long bearings.

The WOOD WHEELS are made with one-piece iron hubs, select hard-wood spokes set in white lead into hubs, which prevents them from coming loose and prevents decay. Felloe held to spokes with iron dowel pins; one piece rock elm felloe; ⅛ x ¾ inch steel tires, electrically welded and shrunk on by hydraulic press and riveted to felloe, making an exceptionally strong wood wheel.

The MALLEABLE WHEELS are one-piece malleable castings with the same general appearance as the wood wheel and almost indestructible. Both the wood and malleable wheels have a 2½ inch long axle bearing, and on the inside of the hub there is provided an oil reservoir, which if filled with hard oil will supply the rollers for an indefinite period. The rollers are ⅛ x 2½ inch cold rolled steel. It is a very desirable bearing in the malleable wheel as well as in the wood wheel

Wood Wheel, Roller Bearings.



This shows the **steel** front axle, steering mechanism, bolster and the two braces to box [illegible] our **patented** Auto-Axle Non-Tip Coaster Wagon. Spindles are malleable iron—axles and spindle pivot pins made of cold rolled steel. Front axle does not turn crosswise under the wagon when turning as the wheels are pivoted to front axle as on automobiles. This makes the strongest and most practical front axle construction on the market.

Malleable Wheel Roller Bearings.

Shows High-Grade Fifth-Wheel — special front bolster and axle construction where cold rolled steel axle is firmly riveted to channel steel bolster. Bolsters are reinforced at the top and bottom of large malleable fifth-wheel plates. Steel steering mechanism with brace to channel steel bolster. Large steel brace to box. This is an exceptionally strong bolster and axle construction.

Rear bolster and axle construction used on both Auto-Axle Non-Tip and High-Grade Fifth-Wheel Coaster Wagons. Strong steel braces from axle to box. Cold rolled steel axle is riveted firmly to channel steel bolster—making it very strong and practical.

THIS IS THE WAY HEIDER COASTER WAGONS COME TO YOU.

Explosives and Blasting Supplies

Dynamite

Dynamite is a High Explosive, commonly used in mining and quarrying operations, excavating and earth moving, breaking log and ice jams and for the improvement of agricultural lands.

It is made in various grades and percentages and is packed in cartridges 8 inches long with various diameters, the standard diameter being 1¼ inch. It is packed in 25 and 50 lb. cases.

Low Freezing Extra—This is an ammonia Dynamite and is not frozen as readily as other grades and can be used for most all kinds of work with the exception of work in water and underground work where the air is poor. Manufactured in strengths of 15% to 60%.

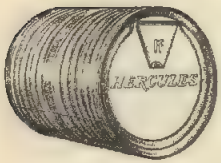
Nitroglycerin—This is very similar in looks to the **Low Freezing Extra** but has more of a shattering force and can be used in quarry work as well as for ditch blasting on the farm. Manufactured in strengths of 40, 50 and 60%.

Gelatin—This is a plastic Explosive and can be used where the work is very wet and under-ground as it does not give off the amount of injurious fumes as the other grades. **Gelatin** is manufactured in percentages of 35% to 100% but only from 40% to 75% is carried in stock **Prices on application.**

IMPORTANT

Dynamite, Caps or Powder cannot be shipped with hardware or other goods, neither can they be shipped by express. When entered on order with other goods, we will ship direct from nearest magazine. Shipments of 200 lbs. Dynamite, or more, will be delivered to any point on the line of transportation companies accepting High Explosives. Shipments of less than 200 lbs. f. o. b. nearest distributing point.

Hercules Blasting Powder



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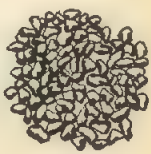

FFF

Blasting Powder is packed in metal kegs of 25 lbs. each and is used in blasting soft materials such as dirt and soft coal as well as in some quarry work. It comes in various granulations and the most commonly used are those shown. The F granulation being slowest and the FFF fastest **Prices on application.**

Hercules Blasting Caps

These are a small copper capsules about ¼ inch in diameter containing a charge of fulminate of mercury which is exploded by the spit of the fuse. These are manufactured in No. 6 and No. 8, and the No. 6 may be used for all practical purposes.

Prices on application.

Safety Fuse

Used for firing Blasting Powder directly by its spark or exploding Dynamite when attached to Blasting caps. Prices per 1,000 feet:

Beaver Brand used for Agricultural Purposes	$7.00
Clover Brand for use in very wet work	7.70
Single Tape for use in damp work	7.70
Double Tape for use in wet work	8.65
Anchor Brand for metal mining	8.65

Electric Blasting Caps

These consist of copper capsules similar to those of ordinary Blasting Caps, but longer and slightly larger in diameter, having two insulated copper wires inside the cap which are bare and joined together by platinum bridge embedded in guncotton. When current passes thru this bridge it is heated and sets off gun cotton which in turn fires the charge of fulminate.

Made in both No. 6 and No. 8 in lengths of 4 to 30 feet, **Prices on application.**

Hercules Blasting Machines

Hercules Blasting Machines or **Batteries** are used for generating electricity for the detonation of Electric Blasting Caps, and are manufactured in three sizes as mentioned below:

	Capacity List
Hercules Midget for testing purposes generally four Electric Blasting Caps	$18.00
Hercules No. 2. Capacity of one to ten Electric Blasting Caps	22.50
Hercules New Style. Capacity of one to fifty Electric Blasting Caps	35.00

Leading Wire

Leading Wire

Leading Wire made in Single and Duplex coils of No. 14 copper wire in various lengths. Standard coils are 250 ft. in length, used to connect Blasting Machine to Electric Blasting Caps.

Connecting Wire

Connecting Wire

This is No. 20 copper wire put up in one lb. spools and for use in connecting Electric Blasting Caps to each other

Tools for Blasting Purposes

Such as Stone Drills, Earth Augers, Chisels, etc., are listed elsewhere in this catalog. See index.

ICE TONGS

[illegible] FAMILY

Cast steel, painted blue; tempered points; heavy rivet at joint wire grip.

	Per Doz
No. 25—Open 11½ ins; length over all 12 ins	$4 80

Packed loose, wt per doz 6 lbs.

FAMILY

Forged steel, natural finish; tempered points; heavy rivet at joint; oval grip; one link at each end of grip.

	Per Doz
No. 50—Open 12 ins, length over all 13[illegible] ins	$8 70

Packed loose; wt per doz 12½ lbs.

HAND MADE

Large—Forged from steel, natural finish; tempered points; heavy rivet at joint; three links of chain at each end of grip.

Nos.	12	14	15
Open, ins	12	14	15
Lgth over all, ins	14¼	16	16¼
Wt doz, lbs	24¾	27½	28
Per Doz	$19 50	22 50	24 75

Packed loose.

INVINCIBLE

Cast steel, natural finish; extra tempered points; heavy rivet at joints; round grips.

Nos.	0	1
Open, ins	14	17
Length over all, ins	17	[illegible]
Wt per doz, lbs	32¼	36
Per Doz	$36 00	43 50

Packed loose.

GENUINE WOOD MAKE
Boston Pattern.

Forged from tool steel, painted red, solid handles, ¾ inch points, heavy rivet at joint

Nos.	540-12½	540-14½	540-16
Open, ins.	12	14	16
Wt doz, lbs	40	44	48
Per Doz	$78 75	80 25	83 55

Packed loose.

GENUINE WOOD MAKE
Cincinnati or Chain Pattern.

Forged from tool steel, japanned finish; tempered points; heavy rivet at joint; round grip; two link chain at each end of grip.

Nos.	550-12	550-15
Open, ins	12	15
Wt per doz, lbs	24	32
Per Doz.	$55 20	58 20

Packed loose.

Patent Link.

Forged from tool steel, natural finish; tempered points; heavy rivet at joint; round grip; one 2 inch link at each end of grip.

Nos.	551-12	551-15
Open, in	12	15
Wt per doz, lbs	28¼	37
Per Doz	$55 20	58 20

Packed loose.

ICE HATCHETS

GENUINE WOOD MAKE

Southern Pattern.

Tempered tool steel bit and hook; polished bit; soft steel body; plain hardwood handle.

	Per Doz
No. 620—Medium; blade 2 ins wide; handle 16 ins long	$132 00

Packed loose; wt per doz about 22 lbs.

ICE AXES

GENUINE WOOD MAKE

Southern Pattern.

Tempered tool steel bit and hook; polished bit; soft steel body; plain hardwood handle.

	Per Doz
No. 615—Heavy; blade 2½ ins wide; handle 22 ins long	$141 75

Packed loose; wt per doz about 40 lbs.

ICE CREAM DISHERS

GILCHRISTS

One Blade.

Nickel silver bowl and blade, other metal parts of bronze metal, highly polished and nickel plated; hardwood handle.

Nos.	31-10	31-12	31-16
Dishes to qt	10	12	16
Size, ins	1½x2½	1½x2½	1¼x2¼
Length over all, ins	11	11	10¾
Wt per doz, lbs	8	8	8
Less than six, Each	$4 50	4 50	4 50
Six or more, Per Doz	51 00	51 00	51 00

Nos.	31-20	31-24
Dishes to qt	20	24
Size, ins	1x2	1½x2
Length over all, ins	10½	10
Wt per doz, lbs	[illegible]	8
Less than six, Each	$4 50	4 50
Six or more, Per Doz	51 00	51 00

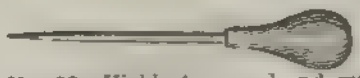
One in cardboard box.

Heavy steel, pure tin plated, with nickel silver blades; malleable key; flat steel handle welded to bowl.

Nos.	5	10	16
Dishes to qt	5	10	16
Size, ins	3⅜x3¼	2¼x2½	2¼x1⅜
Wt per doz, lbs	2½	2½	2
Per Doz	$6 00	6 00	5 10

One doz in paper pkg.

ICE PICKS



GILCHRIST'S

Per Doz

No. 92—Highly tempered and ground, 2½ inch taper needle pointed, nickel plated pick. Imitation ebony handle, with brass nickel plated ferrule; length of pick 5 ins; length over all 8½ ins..... $3 00

One doz in cardboard box; wt per doz 2 lbs.

GILCHRIST'S

Per Doz

No. 93—Highly tempered and ground, 2½ inch taper needle pointed, nickel plated pick. Polished hardwood handle, with brass nickel plated ferrule; length of pick 5 ins; length over all 9 ins..... $3 15

One doz in cardboard box; wt per doz 2 lbs.

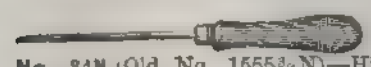
GILCHRIST'S

Iceman's Pattern.

Per Doz

No. 86N (Old No. 1556N)—Highly tempered and ground, needle pointed, nickel plated steel pick. Polished hardwood handle, with copper ferrule; length of pick 6 ins; length over all 10⅝ ins..... $2 85

One doz in cardboard box; wt per doz 1¾ lbs.

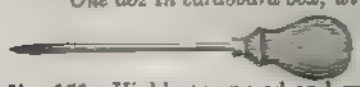


GILCHRIST'S

Per Doz

No. 84N (Old No. 1555¾N)—Highly tempered and ground, needle pointed, nickel plated steel pick. Polished hardwood handle, with copper ferrule; length of pick 4¾ ins; length over all 9⅛ ins..... $2 85

One doz in cardboard box; wt per doz about 1½ lbs.

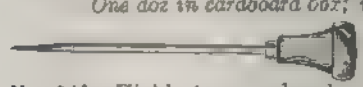


GILCHRIST'S

Per Doz

No. 151—Highly tempered and ground, 2½ inch taper needle pointed, nickel plated pick. Lignum vitae handle, with brass nickel plated ferrule, for household, cafe and soda fountain use; length of pick 6 ins; length over all 9⅜ ins..... $12 00

One doz in cardboard box; wt per doz about 2 lbs.

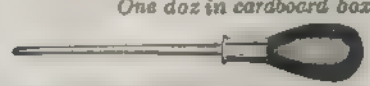


GILCHRIST'S

Per Doz

No. 94A—Highly tempered and ground, needle pointed, nickel plated pick. Polished hardwood handle, with brass nickel plated ferrule and heavy tinned cap, used for cracking ice; length of pick 6 ins; length over all 8⅛ ins..... $4 80

One doz in cardboard box; wt per doz 4 lbs.



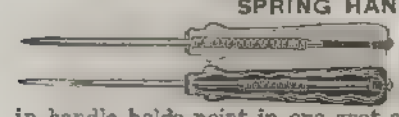
STANLEY'S

Per Doz

No. 145 (Old No. 145A) Highly tempered, needle pointed steel pick, polished ebonized handle, with steel ferrule; length of pick 5½ ins; length over all 9½ ins..... $12 60

Half doz in cardboard box; wt per doz 1⅞ lbs.

SPRING HANDLE



Oil tempered steel blade, polished needle point; hardwood handle, oak finish. The spring in handle holds point in one spot and the ice cake is split without waste.

Per Doz

No. 56—Length of blade 5½ ins; diam ¼ in; length over all 12 ins..... $6 60

One doz in cardboard box.

GENUINE WOOD MAKE

Blade made of best steel finely tempered and nickel plated.

Per Doz

No. 630—Round handle; 3/16 in. blade by 6 ins long.. $4 80

Half doz in cardboard box; wt per doz about 1½ lbs.

ICE PICKS

GENUINE WOOD MAKE

Blade made of best steel, finely tempered and nickel plated.

Per Doz

No. 632—Pear handle; 3/16 in. blade by 6 ins long..... $4 80

Half doz in cardboard box; wt per doz about 1⅛ lbs.

ICE CHISELS

GENUINE WOOD MAKE

Tempered and polished tool steel blade; size blade 7½x4¼ inches.

Per Doz

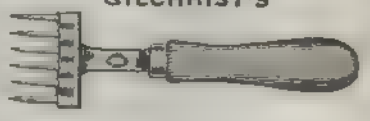
No. 652—4 point; wood handle, with malleable D; length 47 ins..... $123 00

No. 649C—4 point; pipe handle, with ring; length 37 ins..... 113 40

Packed loose; wt per doz about 48 lbs.

ICE CHIPPERS

GILCHRIST'S



Per oz

No. 50—Picks made of exceptionally high grade steel and tempered, very sharp and will hold the point; six points embedded in a malleable head; picks project 1⅛ ins; malleable head and shank 2⅜ ins long; hardwood handle; length of handle 5½ ins; length over all 9¼ ins; width of head 2¹¹/₁₆ ins..... $9 45

One in carton, one doz in cardboard box; wt per doz 5½ lbs.

ICE SHAVES

Cast iron, bright finish; hinged cover; hole in handle for hanging.

Per Doz

No. H25—Length over all 7½ ins.; diam 3 ins.; depth 2 ins..... $6 30

Half doz in cardboard box; wt per doz 12 lbs.

GILCHRIST'S

Galvanized cast iron; adjustable double edge tempered tool steel knife secured with screws at back. The cover is so hinged and the cap so shaped that raising the cover automatically discharges the shaved ice.

Per Doz

No. 78—Length 6 ins; height 2¼ ins; width 2 ins; 1¾ in. blade..... $23 25

One in box; wt per doz about 23 lbs.

STOVER

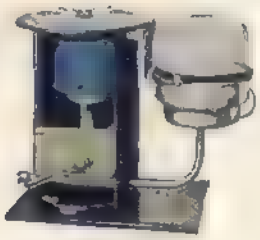
Cast iron, bright finish; adjustable steel blade; hinged cover. Shave holds just enough for one tumblerful.

Per Doz

No. 1—Length 4⅞ ins; height 3¼ ins; width 2 ins; 1¾ in. blade..... $11 70

One doz in box; wt per doz 12 lbs.

Nesco Oil Cook Stoves



No. 214

Is a mighty handy one-burner stove for shops, camps, summer homes, etc.

Very strong and substantial, will support 175 pounds. Fuel tank same size as large stoves Same Rockweave Wick and Nesco Burner

Height	15¾	inches
Length over all	20	"
Depth	12	

They fry, bake, boil, toast any time anywhere and that without smoke or odor. A very hot blue flame burns right up under the utensils. These stoves come in size and style suitable for house, or cottage, restaurant, club, boarding-house or camp;—in fact, wherever cooking is done. Carpenter and other shops find them handy for heating glue, water, etc.

Nesco Oil Cook Stoves are easy to clean and when properly cared for, will give greatest satisfaction.

No. 2212

For Laundry, Shop, Baking. Galvanized Top—

Height from floor...	21¾	inches
Length over all	33	"
Depth of stove top..	17½	"

No. 212

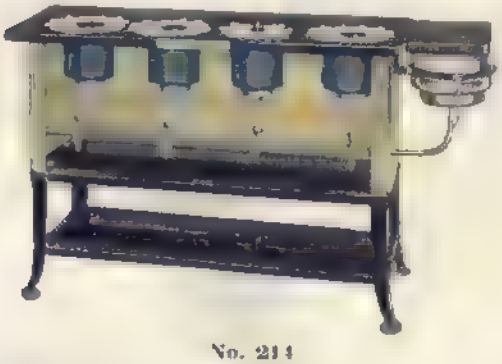
A Small Stove for Small Family.

Height from floor...	31	inches
Length over all	43	"
Depth of stove top..	17½	"

No. 213

A Very Popular Size.

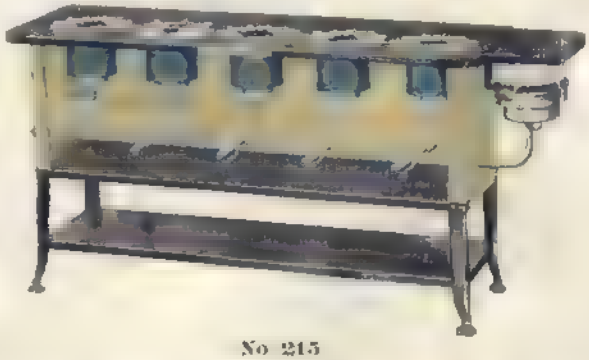
Height from floor...	31	inches
Length over all	33	"
Depth of stove top..	17½	"



No. 214

For Larger Families and Where Much Cooking is Done.

Height from floor	31	inches
Length over all	53	"
Depth of stove top	17½	"



No 215

Full Size, Allows 2 Burners For Baking and Still 3 Left For Cooking.

Height from floor	31	inches
Length over all	63	"
Depth of stove top	17½	"

They all have the wonderful long-lasting Rockweave Wick (patented), and the Nesco Burner.
See other side for description.

Nesco Oil Cook Stoves

The Secret of Successful Operation is in the Burner

There rests the famous, non-burnable Rockweave Wick (patented) in the bowl or channel of the burners. The pointer handle turns from side to side and raises the whole burner and chimney to lower or extinguish the flame, and lowers it for a higher flame by a handle crank. A lifting rod raises the chimney for lighting.

Here is the Famous Rockweave Wick

Asbestos strands are spun around fine wire. These strands are then woven into a strong fabric, flexible and easy to remove for cleaning, and as easy to put back; non-burnable, hence long-lasting. Ends must overlap and lap should be at the back of the burner bowl

No. 212—With High Shelf.

A Much Wanted Number

Height to stove top	31	inches
Height to top of back	55½	"
Length over all	43	"
Depth of stove top	17½	"

No. 213—With High Shelf.

It's a Beauty.

Height to stove top	31	inches
Height to top of back	55½	"
Length over all	43	"
Depth of stove top	17½	"

No. 214—With High Shelf.

Height to stove top	31	inches
Height to top of back	55½	"
Length over all	43	"
Depth of stove top	17½	"

No. 215—With High Shelf.

Height to stove top	31	inches
Height to top of back	55½	"
Length over all	63	"
Depth of stove top	17½	"

ELECTRIC PORTABLE LAMPS

TABLE LAMPS

With One Piece Glass Shades.

Metal base; black and gold finish. Height 24 inches. One piece art glass shade; hand decorated in sunset scene in warm colors. Diameter 14 inches. Each

No. 294BG-14GSW—
Complete $36 90

Packed in cartons; wt each 16 lbs.

Shade Only.

No.	**14GSW**
Less than stand pkgs Each	$23 25
Stand pkgs or more, Each	18 00

Six in stand pkg; wt per stand pkg 60 lbs

Metal base; pompeian; bronze and green finish. Height 24 inches. One piece art glass shade; hand decorated with scenes in cool colors. Diameter 14 inches. Each

No. 294PBG-14GSC—
Complete $36 90

Packed in cartons; wt each 16 lbs.

Shade Only.

No.	**14GSC**
Less than stand pkgs, Each	$23 25
Stand pkgs or more, Each	18 00

Six in stand pkg; wt per stand pkg 60 lbs.

Metal base; pompeian bronze and green finish. Height 24 inches. One piece art glass shade; hand decorated country scene in cool colors. Diameter 16 inches. Each

No. 342PBG-16GSC—
Complete $43 80

Packed in cartons; wt each 16 lbs.

Shade Only.

No.	**16GSC**
Less than stand pkgs, Each	$31 65
Stand pkgs or more, Each	23 85

Six in stand pkg; wt per stand pkg 80 lbs.

ELECTRIC PORTABLE LAMPS

TABLE LAMPS

With One Piece Glass Shades.

Metal base; black and gold finish. Height 24 inches. One piece art glass shade; hand decorated with scene in warm colors. Diameter 16 inches. Each

No. 342BG-16GSW—
Complete $43 80

Packed in cartons; wt each 16 lbs

Shade Only.

No.	**16GSW**
Less than stand pkgs, Each	$31 65
Stand pkgs, or more, Each	23 85

Six in stand pkg, wt per stand pkg 80 lbs.

Metal base; bronze Polychrome finish. Height 24 inches. One piece art glass shade hand decorated with spring scene in cool colors. Diameter 18 inches. Each

No. 271BP-18GSC—
Complete $66 30

Packed in cartons; wt each 14 lbs.

Shade Only.

No.	**18GSC**
Less than stand pkgs, Each	$48 90
Stand pkgs or more, Each	36 75

Six in stand pkg; wt per stand pkg 88 lbs

Metal base; pompeian bronze and green finish. Height 24 inches. One piece art glass shade; hand decorated with flowers in cool colors. Diameter 18 inches. Each

No. 271PBG-18GFC—
Complete $66 30

Packed in cartons; wt each 14 lbs.

Shade Only.

No.	**18GFC**
Less than stand pkgs, Each	$48 90
Stand pkgs or more, Each	36 75

Six in stand pkg; wt per stand pkg 88 lbs.

ELECTRIC PORTABLE LAMPS

TABLE LAMPS

With One Piece Glass Shades.

Metal base; gold Polychrome finish. Height 24 inches. One piece art glass shade; hand decorated with autumn scene in warm colors. Diameter 18 inches. Each

No. 271GP-18G5W—Complete..... $66 30

Packed in cartons; wt each 14 lbs.

Shade Only.

No. 18G5W

Less than stand pkgs, Each..... $48 90

Stand pkgs or more, Each..... 36 75

Six in stand pkg; wt per stand pkg 88 lbs.

Metal base; black and gold finish. Height 24 inches. One piece art glass shade; hand decorated with flowers in warm colors. Diameter 18 inches. Each

No. 271BBG-18GFW—Complete..... $66 30

Packed in cartons; wt each 14 lbs.

Shade Only.

No. 18GFW

Less than stand pkgs, Each..... $48 90

Stand pkgs or more, Each..... 36 75

Six in stand pkg; wt per stand pkg 88 lbs.

One light; 4 amber art glass panels in shade, finished with a fresco effect. Ornamental cast metal base; Gold bronze finish; height 21 inches; shade 12 inches square. Complete with 1 key socket 6 feet lamp cord and attachment plug.

Incandescent lamp not included.

No. 100P

1 to 6, Each..... $13 50

6 or more, Each..... 12 75

One in carton; wt each 14 lbs.

ELECTRIC PORTABLE LAMPS

TABLE LAMPS

Metal Lamps with Glass Panels.

Two lights; 6 rock glass panels in shade. Height 24 inches; diameter shade 16 inches. Complete with 2 chain pull sockets, 6 feet lamp cord and attachment plug. **Incandescent lamps not included.**

Each

No. 294-294BG—Black and gold finish, complete..... $27 30

No. 294-294PBG—Pompeian bronze and green finish, complete..... 27 30

One in carton; wt each 16 lbs.

Two lights; 6 rock glass panels in shade finished in colors that harmonize with base. Height 24 inches; diameter shade 16 inches Complete with 2 chain pull sockets, 6 feet lamp cord and attachment plug. **Incandescent lamp not included.**

Each

No. 342-342BG—Black and gold with hand decorated glass panels, complete..... $37 20

No. 342-342PBG—Pompeian bronze and gold finish with amber glass panels, complete. 37 20

One in carton; wt each 16 lbs.

Two lights, 6 amber glass panels in shade. Height 24 inches; diameter shade 18 inches. Complete with 2 chain pull sockets, 6 feet lamp cord and attachment plug.

Incandescent lamps not included.

Each

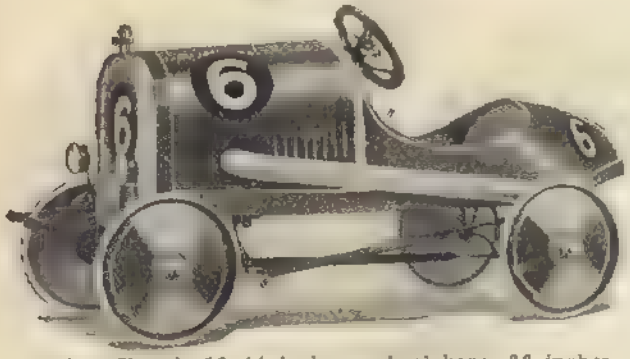
No. 271-335BP—Bronze Polychrome finish, complete..... $31 05

No. 271-335GP—Gold Polychrome finish..... 31 05

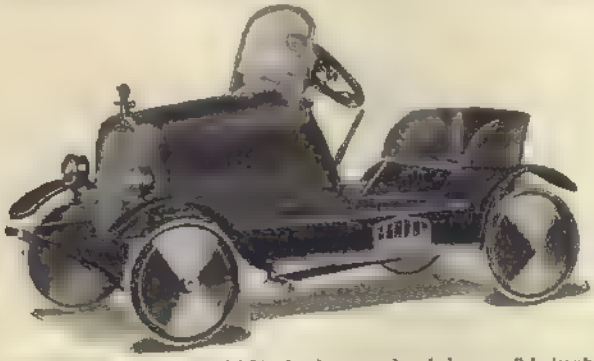
One in carton; wt each 16 lbs.

JUVENILE AUTOMOBILES

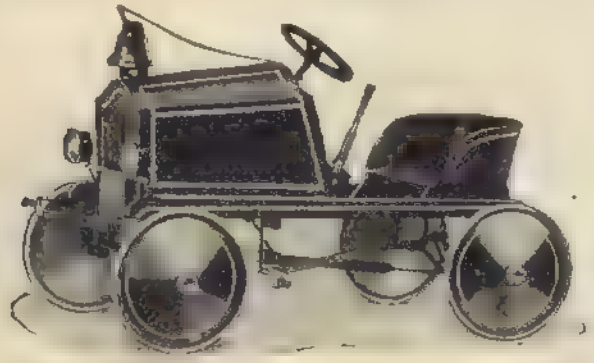
PIONEER LINE
Disc Wheels



Body—Chassis 13x44 inches; wheel base, 36 inches.
Finish—Body, hood and front red, striped and decorated in yellow and black
Equipment—Wood rim steering wheel; gas and spark control levers; instrument board; motometer, horn; lamps, license plate; gear shift lever; racer exhaust pipe; rubber pedals; 12 inch wheels, ⅝ inch rubber tires; roller bearing, red and striped
No. 61RBD—Disc wheels; weight 75 pounds..Each $30 00



Body Chassis 13x40½ inches; wheel base, 34 inches.
Finish—Body hood and front yellow, striped and decorated in red fenders black
Equipment—Wood rim steering wheel; gas and spark control levers; instrument board; motometer; horn; lamps; license plate; gear shift lever; arched crown fenders; nickeled scuff plates; sport type windshield; rubber pedals; all metal seat with cover; 10 inch wheels, ½ inch rubber tires, plain bearing, red and striped
No. 63PBD—Disc wheels; weight each 66 lbs..Each $36 00



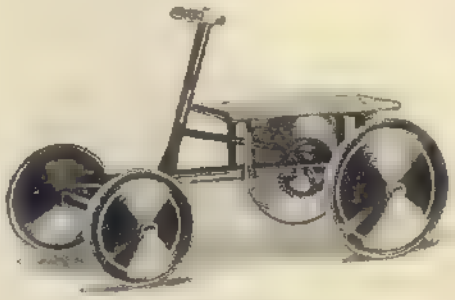
Body Chassis 12x31 inches; wheel base 25 inches.
Finish Body hood and front red, striped and decorated
Equipment—Cast steering wheel; gas control lever; lamps; license plate; bell; gear shift lever, rubber pedals, all metal seat; 10 inch wheels, ½ inch rubber tire, plain bearing, red and striped.
No. 80PBD—Disc wheels; wt. each 35 lbs...Each $17.50
No. 80 —Wire wheels .....Each 15.00
All above, one in a carton, knocked down.

HAND CARS

PIONEER LINE

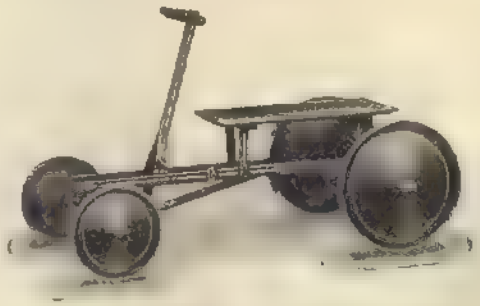
Little Tot

Frame—Steel; built for little tots 2 to 4 years of age; flat steel frame rails, well braced; gear drive; wheel base 22 inches; tread 12 inches, seat 9 inches from floor; feet guides on front axle.
Wheels—Red enamel, other metal parts black baked enamel, yellow striped; seat natural finished, striped and decorated
No. 10⅝ —Has 6 and 8 inch wheels, ⅞ inch rubber tires, weight each about 12 pounds . Each $7 50
Two in a carton.



Disc Wheel, Gear Drive

Frame—Steel; for little tots 2 to 4 years of age; flat steel frame rails, well braced
Wheels—Front, 8 inch plain bearing disc; rear, 10 inch plain bearing disc, red enameled; ½ inch rubber tires; other metal parts black baked enamel, yellow stripe; natural finish seat with transfer
No. 111—Wheel base 22 inches; tread 12 inches; seat 9 inches from floor; feet guides on front axle; weight each about 17 pounds..... Each $12 00
Two in a carton



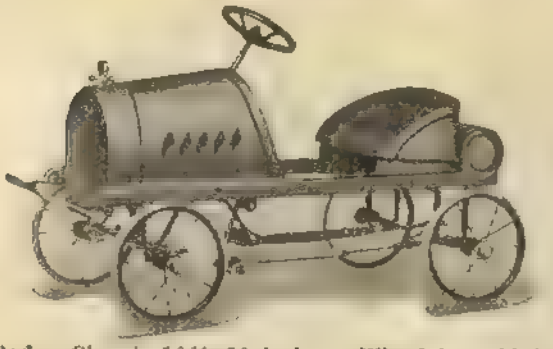
Disc Wheel, Gear Drive

Frame—Steel; for children 3 to 8 years of age; flat steel frame rails, well braced
Wheels—Front 8 inch plain bearing disc, with ½ inch ruger tires; rear 12 inch plain bearing disc, with ⅝ inch rubber tires, red enameled; other parts black baked enamel, yellow stripes; seat natural finish, striped and decorated
No. 221—Wheel base 27 inches; tread 16 inches; seat 12 inches from floor; feet guides on front axle; weight each about 31 pounds.....Each $15 00
One in a carton

JUVENILE AUTOMOBILES

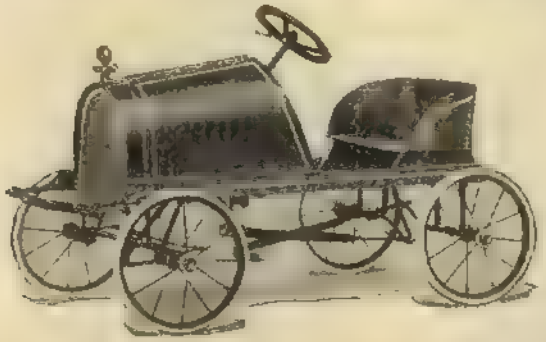
PIONEER LINE

WIRE WHEELS



Body—Chassis 10¼x30 inches. Wheel base 22 inches.
Finish—Body, hood and front, brown. Striped and decorated in brown.
Equipment—Cast steering wheel; gas control lever; motometer; tank in rear; 8 inch wheels; ⅜ inch rubber tires; plain bearing red.

No. 41—With wire spoke wheels; weight each about 25 pounds . . . . . Each **$8.50**



Body—Chassis, 12x30 inches. Wheel base 24 inches.
Finish—Body, hood and front, red. Striped yellow and black.
Equipment—Cast steering wheel; gas control lever; motometer; 10 inch wheels; ⅜ inch rubber tires.

No. 43—With wire spoke wheels, weight each about 31 pounds . . . . . Each **$8.50**
No. 43PBD—With disc wheels . . . . . Each **10.00**

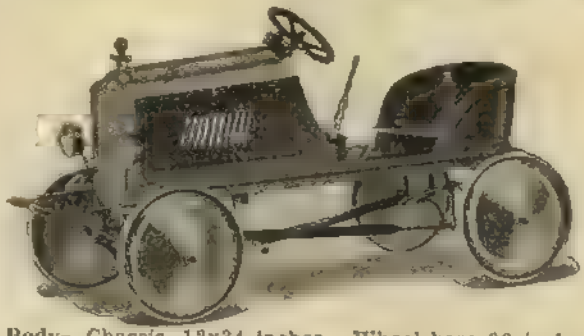
Body—Chassis, 12x30 inches. Wheel base 24 inches.
Finish—Body, hood and front, yellow. Striped and decorated in red and black. Fenders black.
Equipment—Cast steering wheel; gas control lever; motometer; arched crown fenders; rubber pedals; sport type windshield; 10 inch wheels; ½ inch rubber tires; plain bearing; red.

No. 44—With wire spoke wheels; weight each about 39 pounds . . . . . Each **$15.00**
No. 44PBD—With disc wheels . . . . . Each **20.00**
All above, one in a crate, knocked down.

DISC WHEELS

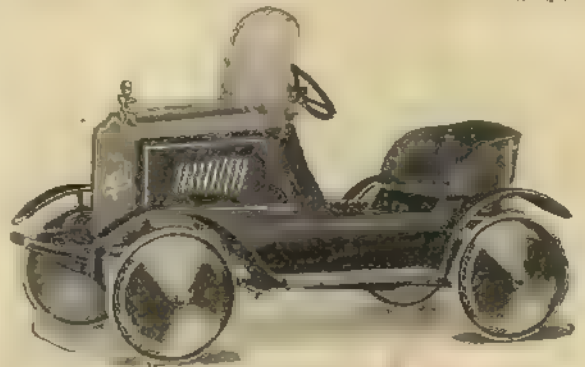
Body—Chassis, 13x4½ inches. Wheel base 34 inches.
Finish—Body, hood and front, royal blue. Striped and decorated in red, yellow and black.
Equipment—Cast steering wheel; gas control lever; instrument board; motometer; horn; road lamps; license tag; gear shift lever; rubber pedals. All metal seat with cover; 10 inch wheels; ½ inch rubber tires; plain bearing; red and striped.

No. 60PBD—With disc wheels; weight each 57 pounds . . . . . Each **$24.00**
No. 60—With wire spoke wheels . . . . Each **20.00**



Body—Chassis, 12x34 inches. Wheel base 28 inches.
Finish—Body, hood and front, light buff. Striped and decorated in red and amber.
Equipment—Cast steering wheel; gas control lever; instrument board; motometer horn; lamps; license plate; gear shift wheel; rubber pedals; all metal seat and cover; 10 inch wheels; ½ inch rubber tires; plain bearing; red and striped.

No. 50PBD—With disc wheel, weight each 40 pounds . . . . . Each **$16.00**



Body—Chassis, 12x34 inches. Wheel base, 28 inches.
Finish—Body, hood and front, light blue. Striped and decorated in red and yellow; fenders red.
Equipment—Cast steering wheel; gas control lever, motometer; arched crown fenders; sport type windshield, license tag; rubber pedals; all metal seat and cover; 10 inch wheels; ½ inch rubber tires; plain bearing; red and striped.

No. 54PBD—Disc wheels; weight each 60 pounds . . . . . Each **$24.00**
No. 54—Wire wheels . . . . . Each **22 00**
All above, one in a carton, knocked down.

John V. Farwell Company
CHICAGO

ROGERS

HEAVY WEIGHT SECTIONAL PLATE

LA TOURAINE

Gray Finish.

Heavy Plate

Dessert Forks $11.30 doz.
Medium Forks $12.60 doz.

Tea Spoons $6.30 doz.

Tea, Dessert and Table Spoons, Medium and Dessert Forks have a heavy Sectional or "NH" plate in the parts most exposed to wear

Dessert Spoons, $11.30 doz.
Table Spoons, 12.60 "

Triple Plate

Hollow Handles		Solid Handles	
Medium Knives or Forks	$23.80 doz.	Medium Knives	$9.50 doz.
Dessert Knives or Forks	23.20 "	Dessert Knives	9.30 "
Breakfast Knives	23.50 "	Breakfast Knives	9.60 "

Packed 6 in lined box

Illustrations actual size. Dessert Knives shown

H2

INTERNATIONAL SILVER CO.

ROGERS

HEAVY WEIGHT

LA TOURAINE

Gray Finish

All fancy pieces are packed in Blue Velvet Lined Gift Boxes

Cold Meat Fork
Each, $2.68

Pickle Fork
Long
Each $1.50

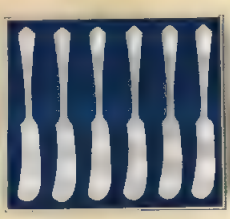
Butter Knife
Lined box
Each $1.34
Bulk, each $1.12

Sugar Shell
Lined box
Each, $1.12
Bulk, each $1.00

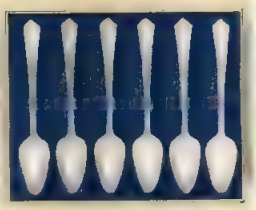
Gravy Ladle
Each $2.00
Cream Ladle
Each, $1.50

Berry Spoon
Each $2.68

Individual Salad Forks, set of six, $6.30



Butter Spreaders, set of six, $5.66



Orange Spoons, set of six, $4.00

No. 14 Child's Set
$2.68

Velvet lining. Tray has rubber bumpers.

No. 869 Baby Set
Also No. 807 Set
Curved Spoon and
Food Pusher
Per set, $1.68

INTERNATIONAL SILVER CO.

John V. Farwell Company
CHICAGO

ROGERS

HEAVY WEIGHT SECTIONAL PLATE

VENDOME

Gray Finish

Heavy Plate

Dessert Forks
$11.30 doz.
Medium Forks
$12.60 doz

Tea Spoons
$6.30 doz

Tea, Dessert and Table Spoons, Medium and Dessert Forks, Knives heavy Sectional or "XII" plate on the parts most exposed to wear

Dessert Spoons, $11.30 doz
Table Spoons, 12.60 "

Triple Plate

Hollow Handles

Medium Knives or Forks $23.30 doz.
Dessert Knives or Forks . 23.30 "
Breakfast Knives . . . 23.50 "
Packed 6 in lined box

Solid Handles

Medium Knives . . . . $9.50 doz.
Dessert Knives . . . . 9.30 "
Breakfast Knives . . . 9.60 "

Illustrations actual size. Dessert Knives shown

Printed in U.S.A. 112

INTERNATIONAL SILVER CO.

ROGERS
HEAVY WEIGHT

VENDOME
Gray Finish

All fancy pieces are packed in Blue Velvet Lined Gift Boxes

Cold Meat Fork
Each $1.68

Pickle Fork
Long
Each $1.50

Butter Knife
Lined box
Each, $1.34
Bulk, each $1.12

Sugar Shell
Lined box
Each $1.12
Bulk, each $1.00

Gravy Ladle
Each, $2.16
Cream Ladle
Each $1.50

Berry Spoon
Each, $2.68

Individual Salad Forks, set of six $6.30

Butter Spreaders, set of six $5.60

Orange Spoons, set of six $4.50

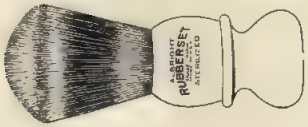
No. 2 Child's Set
Steel Knife
$2.68

No. 830 Tea Set, 26 pieces $30.15
In Dark [illegible] with [illegible] Lined
Velvet Lining. Every piece used here for display

No. 80 Baby Set
Also No. 806 Set
Tablespoon and Fork
Per set, $5.68

SHAVING BRUSHES
RUBBERSET

Ends of hair are set in rubber, bound by a metal band and vulcanized. They cannot pull out.



Alberite white handle and ferrule.

Per Dozen

No. **442**—Imported Badger Hair, Length Hair, 1⅞ Inches, Length Over All, 3¼ Inches **$30.00**

Alberite white handle; Alberite black ferrule.

Per Dozen

No. **255**—Imported Badger Hair, Length Hair, 2⅛ Inches, Length Over All, 5 Inches . . . **$40.00**

No. **226**—Blended Badger Hair; Length Hair, 2 Inches, Length Over All, 4⅜ Inches **9.00**

Alberite white handle with black Alberite base; Alberite black ferrule.

Per Dozen

No. **535**—Imported Badger Hair, Length Hair, 2⅛ Inches; Length Over All, 4⅛ Inches **$40.00**

No. **530**—Blended Badger Hair; Length Hair, 2 Inches; Length Over All, 4½ Inches **15.00**

Alberite white handle; Alberite black ferrule.

Per Dozen

No. **312**—Imported Badger Hair; Length Hair, 2¼ Inches; Length Over All, 5¼ Inches **$25.00**

Alberite white handle; Alberite white ferrule.

Per Dozen

No. **284**—Blended Badger Hair, Length Hair, 2 Inches; Length Over All, 4⅝ Inches **$20.00**

One in a Box; Twelve in a Carton
Weight per Carton, 1¾ Lbs.

SHAVING BRUSHES
RUBBERSET

Ends of hair are set in rubber, bound by a metal band and vulcanized. They cannot pull out.

Alberite white handle, Alberite white ferrule.

Per Dozen

No. **283**—Blended Badger Hair; Length Hair, 2 Inches, Length Over All, 4¼ Inches **$18.00**

Alberite white handle, Alberite black ferrule.

Per Dozen

No. **118**—Blended Badger Hair Length Hair, 2 Inches; Length Over All, 4⅝ Inches **$12.00**

Alberite white handle; Alberite black ferrule.

Per Dozen

No. **222**—Blended Badger Hair, Length Hair, 2 Inches; Length Over All, 4¾ Inches **$12.00**

No. **223**—Blended Badger Hair; Length Hair, 2⅛ Inches; Length Over All, 5 Inches **14.00**

Alberite white handle; Alberite black ferrule.

Per Dozen

No. **101**—Blended Badger Hair; Length Hair, 2 Inches; Length Over All, 4¼ Inches. **$12.00**

Alberite white handle, Alberite black ferrule.

Per Dozen

No. **122**—Blended Badger Hair, Length Hair, 2 Inches; Length Over All, 4½ Inches **$12.00**

One in a Box; Twelve in a Carton
Weight per Carton, 1¾ Lbs.

SHAVING BRUSHES

RUBBERSET

Ends of bristles are set in rubber, bound by a metal band and vulcanized. They do not pull out.

Alberite black ferrule; ebonized black handle

Per Dozen

No. **218**—Blended Badger Hair Length Hair, 2 Inches; Length Over All, 4½ Inches **$9.00**

Varnished boxwood handle; black alberite ferrule; best white French bristles.

Nos.	Length of Bristles, Inches	Length Over All, Inches	Per Dozen
49-1	2⅛	5⅛	**$9.00**
49-2	2¼	5⅛	**10.00**
49-3	2⅜	5⅝	**12.00**

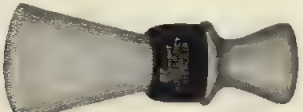
Alberite white handle, black alberite ferrule; best white French bristles.

Nos	Length of Bristles, Inches	Length Over All, Inches	Per Dozen
200-1	2	4⅝	**$9.50**
200-2	2¼	5¼	**11.00**
200-3	2½	5¾	**15.00**

Alberite white handle; black alberite ferrule; best white French bristles.

Per Dozen

No. **128**—Length of Bristles, 2⅜ Inches; Length Over All, 4⅞ Inches **$12.00**



Alberite white handle; black alberite ferrule; best white French bristles.

Per Dozen

No. **140-2**—Length of Bristles, 2⅜ Inches; Length Over All, 4¾ Inches **$12.00**

One in a Box; Twelve in a Carton
Weight per Carton, 1¾ Lbs.

SHAVING BRUSHES

RUBBERSET

Ends of bristles are set in rubber, bound by a metal band and vulcanized. They cannot pull out.

Alberite white handle; Alberite black ferrule

Per Dozen

No. **73**—White French Bristles; Length Bristles, 1⅞ Inches Length Over All, 4⅛ Inches **$9.00**

Alberite white handle, Alberite black ferrule

Per Dozen

No. **150-1** Rachto Bristles; Length Bristles, 2 Inches; Length Over All, 4⅝ Inches **$8.00**

Alberite white handle; Alberite black ferrule

Per Dozen

No. **308**—Rachto Bristles; Length Bristles, 1¾ Inches; Length Over All, 4 Inches **$7.00**

Ebonized handle; nickel plated ferrule

Per Dozen

No. **74**—White French Bristles; Length Bristles, 1⅞ Inches; Length Over All, 4¼ Inches **$5.00**

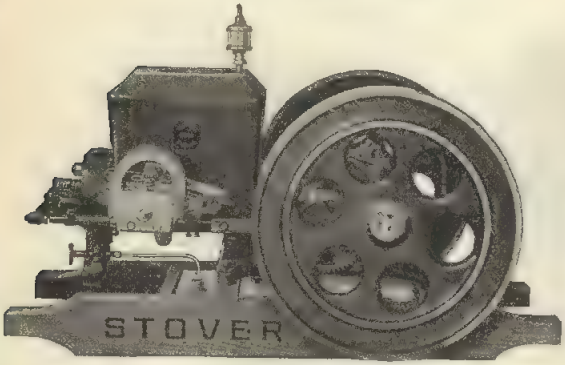
Ebonized handle; nickel plated ferrule

Per Dozen

No. **415**—Rachto Bristles; Length Bristles, 2 Inches; Length Over All, 4⅜ Inches **$3.00**

One in a Box; Twelve in a Carton
Weight per Dozen, 1¾ Lbs.

Stover Horizontal Hopper Cooled 1½ and 2 Horsepower Gasoline Engines



View of main frame cap showing removable die cast bearings and metal shims for taking up wear.

Showing drop forged connecting rod with removable die cast bearings and metal shims for taking up wear.

Stover 1½ and 2 H. P. Engines

1½ H P. furnished in hit and miss type only with either high tension battery or high tension magneto ignition. 2 H. P. furnished in either hit and miss type for gasoline or throttling governor type for kerosene.

The 2 H P. Engine is shown in the above illustration. The same care and construction is given this engine as any other size in the catalog, insuring the purchaser of Stover quality regardless of size. It is distinctive in design, has many outstanding features, such as water cooled cylinder head, removable die cast bearings in main frame and connecting rod with metal shims for taking up wear, grease cups on the main frame bearings, drop forge connecting rod, ground crank shaft, ground piston pin, large capacity hopper and fuel tank, speed changer and safety flywheel

The above illustration represents the 2 H P. throttling governor engine for gasoline. Lack of space prevents illustrating the 1½ H. P. or the throttling governor type in the 2 H P. The latter is identical in construction with the 2 H. P. hit and miss illustrated above except for the governing mechanism and the mixer Can be conveniently mounted on a hand portable truck if desired. Suction feed. Cannot be equipped with a fuel pump.

The 1½ H. P. can be furnished for operating on gasoline only. The 2 H. P. throttling governor engine furnished for operation on liquid fuel only 2 H. P gasoline engine can be converted into a gas engine by substituting a gas mixer for the gasoline mixer but cannot be furnished with a combination mixer.

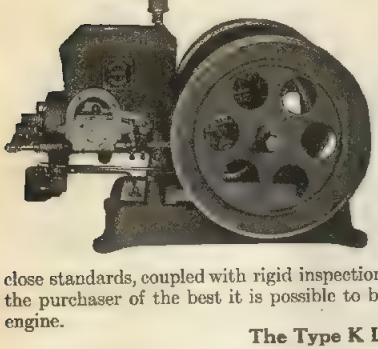
Stover Engines can be furnished up to and including 30 H. P. A special engine catalog describing in detail the sizes not listed will be supplied upon request.

Always Order by Style Number

Style No H and M ss Engines	Style No Throttling Governing Engines	Horse Power	Speed Rev per Min.	Flywheel Dia In	Flywheel Face In.	Standard Plain Pulley Dia. In.	Standard Plain Pulley Face In.	Fuel Tank Capacity Gallons	Hopper Tank Capacity Gallons	†Floor Space in Inches	Approx. Domestic Shipping Weight complete	Approx. Export Shipping Weight complete	Cubic Feet for Export	List Price with Magneto
	800	2	550	17	1¾	3½ 4 5 6 7	4	1¼	2½	22x42	250	350	13	$74.00
803		2	350	17	1¾	3½ 4 5 6 7	4	1¼	2½	22x42	250	350	13	74.00

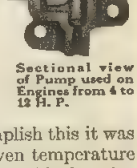
Stover Horizontal Hopper Cooled Gasoline Engines

3, 4, 6, 8, 10 and 12 Horse Power



Furnished in either hit and miss type for gasoline or throttling governor type for kerosene, with either Webster or Wico magneto. The above illustration actually represents our 6 H. P. Type "K" gasoline engine. Lack of space prevents illustrating both the gasoline and kerosene engines in each size. This cut will, we believe, suffice inasmuch as the principle of construction on all engines is the same, although slightly different in design.

Simplicity in construction was the paramount object in designing the Stover Engines. Especially designed machinery, capable of maintaining close standards, coupled with rigid inspection and good workmanship, insures the purchaser of the best it is possible to build into an internal combustion engine.

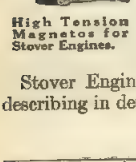


Sectional view of Pump used on Engines from 4 to 12 H. P.

The Type K Line

Which is built up to and including 8 H. P. contains the same special features that are clearly set out in the description under the 2 H. P. Engine illustrated on the preceding page.

The throttling governor engine explodes a charge every working stroke, the governor graduating the amount of fuel and air taken into the cylinder in proportion to the load being pulled. To successfully burn kerosene requires wholly different methods than when using gasoline. To accomplish this it was necessary to change the method of governing to obtain an even temperature in the cylinder. The speed regulation is very close, making it an ideal engine where a uniform speed is required. The fuel is contained in the base and the engines are shipped ready for operation with all pipe connections made complete.



High Tension Magnetos for Stover Engines.

Throttling governor engines are so designed that it is impossible to mix kerosene with the gasoline, while the engine is being warmed up on gasoline. The fuel tank is contained in the base on all engines. Are shipped ready for operation with all pipe connections made complete.

Stover Engines can be furnished up to and including 30 H. P. A special engine catalog describing in detail the sizes not listed will be supplied upon request.

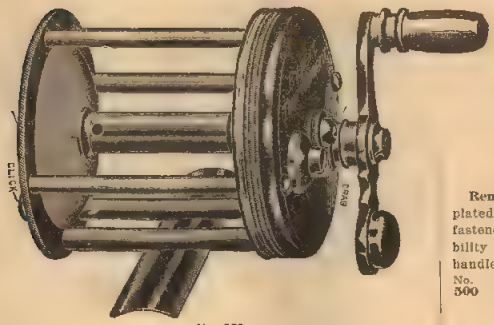
Always Order by Style Number

Style No. Hit and Miss Engines	Style No. Throt. Gov. Engines	Horse Power	Speed Rev. per Min	Flywheel Dia. In.	Flywheel Face In.	Standard Pulley Dia. In.	Standard Pulley Face In.	Fuel Tank Capacity Gallons	Hopper Tank Capacity Gallons	†Floor Space in Inches	Approx. Domestic Shipping Weight complete	List Price For Hit and Miss Gasoline Engines with Magneto	List Price Throt'ling Gov'ing Engines with Magneto
806	808	3	500	23	2	8	4	2½	4½	30 x40	525	$110.00	$110.00
4	114	4	425	30	2½	14	6	5½	9	38½x47	1000	180.00	180.00
807	809	6	450	28	2½	16	6	6¾	10½	30 x52	950	196.00	196.00
831	832	8	425	34	2⅞	16	6	8	11	39½x53	1350	250.00	250.00
210	117	10	375	38	3	18	8	10½	15	55 x63	1925	380.00	389.75
212	118	12	360	45	3	20	10	14½	18	56 x71	2600	473.00	484.25

REELS

QUADRUPLE MULTIPLYING

TYEE



No. 585

Best quality. Quadruple steel pivots, steel pinion, spring and ratchet. Metal pinion bearing case for top steel pivot. Fancy metal crank with long white celluloid handle. Adjustable drag on cap and adjustable click on plate. Satin finish. Pillar, 1⅞ inches.

No.	Yards	Disc	Wt. each	Each
585	60	2 in.	8 ozs.	$5.80

SAMSON

No. 500

Removable spool. A high grade bait casting reel. Nickel plated. End of reel where handle and gears are attached is fastened to frame with a hinge which eliminates the possibility of losing this part. Free-running spool and balanced handle.

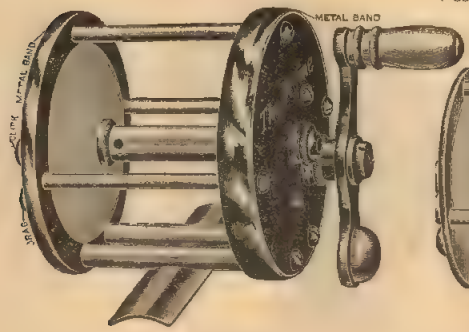
No.	Yards	Wt. each	Each
500	40 to 80	7 ozs.	$6.00

No. 350

No. 350 as No. 500, but without removable spool.

No.	Wt each	Each
350	7 ozs.	$4.40

TYEE

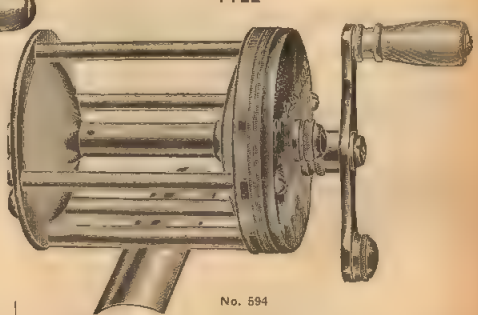


No. 598

Rubber plates with metal bands on edges. Steel axle pivots and pinion. Steel click and ratchet. Adjustable click and drag. Fancy metal crank with celluloid handle. Nickel plated pillar, 1⅝ inches.

No.	Yards	Disc	Wt. each	Each
598	40	2 in.	5 ozs.	$5.50
	60	2¼ in.	6 ozs.	5.70

TYEE



No. 594

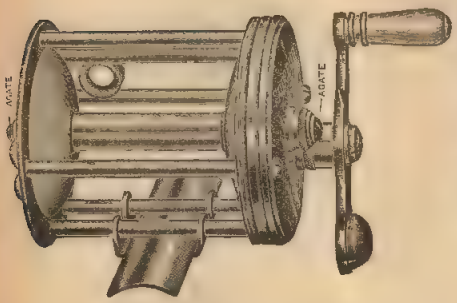
Quadruple multiplying, satin finish. Full steel pivots. Steel axle, pinion, spring and ratchet. Fancy oil cups over top and bottom pivots. Adjustable click and drag. Fancy metal crank with long white celluloid handle. Pillar, 1⅞ inches.

No.	Yards	Disc	Wt each	Each
594	60	2 in.	7 ozs.	$4.80

All the above, one in a box.

TYEE REELS

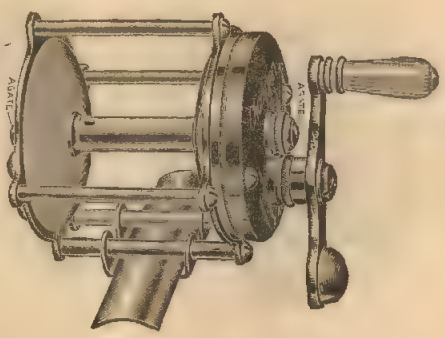
QUADRUPLE MULTIPLYING



No. 584

Pivot bearing case. Quadruple multiplying. Steel pinion, top and bottom pivots. Oil cups over bearings. Adjustable click and drag. Fancy metal crank with long white celluloid handle. Jeweled and nickel plated. Pillar, 1⅜ inches. Level spooling attachment.

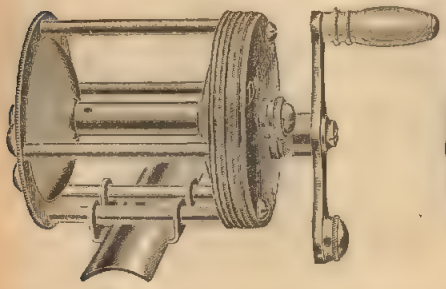
No.	Yards	Disc	Wt. each	Each
584	60	2 in.	6 ozs	$4.20



No. 558

Extra quality. Metal bushing for pivot. Fancy oil cups over pivot bearings. Adjustable click and drag. Fancy metal crank with long white celluloid handle. Jeweled and nickel plated. Pillar, 1⅝ inches.

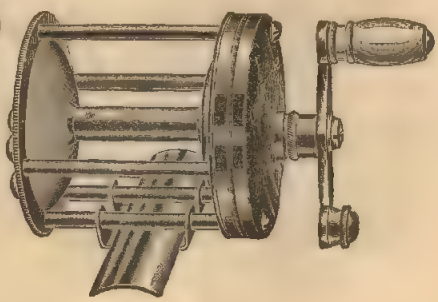
No.	Yards	Disc	Wt. each	Each
558	60	2¼ in.	5 ozs	$3.20



No. 575

Solid pinion quadruple multiplying. Fancy round plates. Cap and oil cups. Adjustable click and drag. Fancy crank with long white celluloid handle. Nickel plated. Pillar, 1⅝ inches.

No.	Yards	Disc	Wt. each	Each
575	40	2 in.	5 ozs	$3.20
	60	2¼ in.	6 ozs	3.40
	80	2⅝ in.	7 ozs	3.60



No. 570

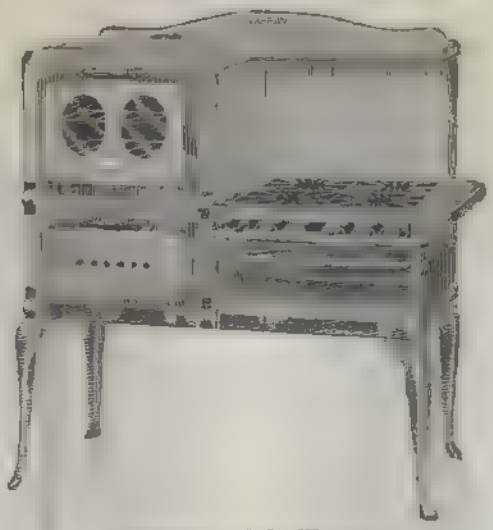
Round plates. Steel pinion. Fancy cup. Adjustable click and drag. Fancy crank with white celluloid handle. Nickel plated pillar, 1⅝ inches.

No.	Yards	Disc	Wt. each	Each
570	40	2 in.	5 ozs	$2.60
	60	2¼ in.	6 ozs	2.80
	80	2⅝ in.	7 ozs	3.00

All the above, one in a box.

GAS RANGES

TAPPAN—STYLE W422



(Illustration of No. W422LG.)

Trim—White enamel main front, oven top, oven body side, shelf top and back strip, shelf bracket, splashers, burner box, door panels and handles, burner tray, broiling pan, four legs and valve handles.

Nickel Plated—Oven and broiler door frames, base band, manifold hangers and air shutters.

Wilder Metal Oven Liners—Aluminized oven bottom, other parts black enamel.

Construction—Cast iron main front, oven bottom and extra heavy broiling pan, heavy cast iron base and angle iron round corner burner top, pyrex oven door glass and heat indicator. Regularly furnished with a giant, three single and one simmer burners, valves for natural or artificial gas.

Measurements—
Baking oven 18x19¼x13½ inches
Broiling oven 18x19¼x10 inches
Floor space with end shelf 18x27½ inches
Floor space without end shelf 44½x21½ inches
Cooking top 25x22½ inches
Height from floor to cooking top 32½ inches
Height over all 50¾ inches

FULL WHITE ENAMEL TRIM

For Artificial or Natural Gas.

	Each
No. W422LG Oven on left side; glass oven door and white splasher plate	$285 00
No. W422RG Oven on right side; glass oven door and white splasher plate	285 00

One in crate; wt each 290 lbs.

GAS RANGES

TAPPAN—STYLE S422

Illustration of No. S422RG.)

Trim—White enamel splashers, top back strip, burner tray, broiler pan, door panels and valve handles.

Nickel Plated—Door frames, manifold, hangers and air shutters.

Black Japan—Main front, oven top ends, top shelf, base band, legs and other parts.

Oven—Aluminized bottom and Liners.

Construction—Cast iron main front, oven bottom and extra heavy broiling pan, heavy cast iron base and angle iron round corner burner top, pyrex oven door glass and heat indicator. Regularly furnished with a giant, three single and one simmer burners, valves for natural or artificial gas.

Measurements—
Baking oven 18x19¼x13½ inches
Broiling oven 18x19¼x10 inches
Floor space with end shelf 48x27½ inches
Floor space without end shelf 44½x27½ inches
Cooking top 25x22½ inches
Height from floor to cooking top 32½ inches
Height over all 50¾ inches

SEMI WHITE ENAMEL TRIM

For Artificial or Natural Gas.

	Each
No. S422LG Oven on left side; glass oven door and white splasher plate	$168 00
No. S422RG Oven on right side; glass oven door and white splasher plate	168 00

One in crate; wt each 266 lbs.

D 0

GAS RANGES

TAPPAN—STYLE S422

Illustration of No S422R

Trim—White enamel splashers, top, back strip, burner tray, broiler pan, door panels and valve handles.

Nickel Plated—Door frames, manifold, hangers and air shutters.

Black Japan—Main front oven top ends top shelf base band, legs and other parts.

Oven—Aluminized bottom and liners.

Construction—Cast iron main front, oven bottom and extra broiling lid, heavy bar iron base band, angle iron round cornered burner t p. Regularly furnished wit white enamel cushion door panels, a giant, three single and one simmer burners; valves for natural or artificial gas.

Measurements—

Baking oven 18x19¼x13½ inches.
Broiling oven 18x19¼x10 inches
Floor space with end shelf 48x27½ inches
Floor space without end shelf 44½x27½ inches
Cooking top 25x22½ inches
Height from floor to cooking top 32½ inches
Height over all 50¾ inches

SEMI WHITE ENAMEL TRIM

For Artificial or Natural Gas.

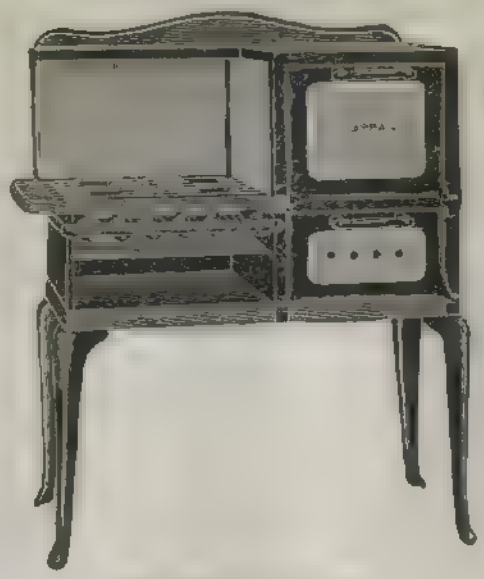
	Each
No. S422L—Oven on left side; with white splasher plate	$153 75
No. S422R—Oven on right side with white splasher plate	153 75

One in crate; wt each 266 lbs.

Your stock is not complete without a complete line of household goods. Stoves, refrigators, aluminum ware, food choppers and a thousand and one other things. Check carefully through dept. 6 and build your stocks for better business.

GAS RANGES

TAPPAN—STYLE S424



(Illustration of No S424R)

Trim—White enamel splashers, door panels, valve handles, burner tray and broiler pan.

Nickel Plated—Manifold hangers and air shutters.

Oven—Aluminized bottom and oiled liners.

Construction—Four burner cabinet range, cast iron main front, heavy band iron base, angle iron burner top and cast iron oven bottom with extra boiling lid. Regularly furnished with a giant and three single Japanned iron burners.

Measurements—

Baking oven 14x19¼x12 inches
Cooking top 22x22 [illegible] inches
Height from floor to cooking top 33½ inches
Floor space required 40x27½ inches

SEMI WHITE ENAMEL TRIM

For Artificial or Natural Gas.

	Each
No. S424R—Oven on right side with splasher plate	$132 00
No. S424L—Oven on left side with splasher plate	132 00

One in crate; wt each 230 lbs.

RADIO ACCESSORIES AND PARTS

TRANSMITTING TUBES

Radiotron.

Especially adapted for low power radio telephone sets and for amateur C. W. Telegraph sets for transmission up to distances of two hundred miles. Each

No. UV-202—5 watt, size 6x2⅛ ins; draws 2.35 amperes... 20 40
$8 00

Radiotron.

Can be shifted from one socket to another without signal audibility. Each

No. UV-203—50 watts; size 7½x2 ins; draws 6.5 amperes ..... ✦$85 50
$30 00

No. 203A—50 watts; size 7½x2 ins; draws 3.25 amperes ..... ✦$114 00
$35 00

No. 204—250 watts; size 14½x 5 ins; draws 14.75 amperes ..... ✦$330 00
120 00

No. 204A—250 watts; size 14¾x4 ins; draws 3.85 amperes ..... ✦$435 00
One in carton; wt each 13½ lbs. *145 00*

RECTIFIES TUBES

Radiotron.

Especialy adapted to be used with 5-watt power tubes and is rated at 20 watts. Each

No. UV-216—20 watts; size 2½x5 ins; draws 2.25 amperes ..... ✦$19 14
One in carton; wt each ¾ lbs.

Primarily intended for use with the 50 watt power tubes, to produce, a D. C. plate supply from an A. C. source. Can be shifted from one socket to another without signal audibility. Each

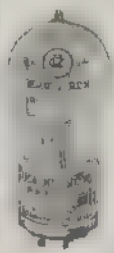
No. UV-217—150 watts; size 7½x2 ins; draws 6.5 amperes ..... ✦$75 54
One in carton; wt each 1½ lbs. *$26 50*

AMPLIFYING TUBES

Radiotron.

Operates on Storage Batteries Only.

A vacuum tube radio and tone frequency amplifier. For magnifying radio and tone frequency currents. Can be shifted from one socket to another in a cascade outfit without loss of signal audibility.



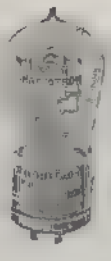
Each

No. UV-201A—Draws ¼ ampere, height 4¼ ins; diam 1¾ ins 10 20
One in carton; wt each 1 lb. *$4 00*

DETECTOR TUBES

Radiotron.

Operates on Storage Batteries Only.



A vacuum tube detector for amateur and experimental wireless stations. It is not only a detector or spark receptor, but is also an excellent tone frequency amplifier for magnification of the telephone circuits in vacuum tube receiving circuits.

Each

No. UV-200—Height over all 4¼ ins; diam 1¾ ins; draws 1 ampere 10 20
One in carton; wt each 1 lb. *$4 00*

Radiotron.

Operates on Dry Batteries Only.

Each

No. UV199—Designed for Radiola IV and has special base which will fit on Socket UR590 only. Can be used on Standard socket only with UR589 Adapter. Can not be used with ordinary rheostat. Requires Special Rheostat No. PR-539; draws .06 amperes 10 20
One in carton, wt each ¼ lb. *$4 00*

✦F. O. B. Illinois Factory Only.

RADIO ACCESSORIES AND PARTS

DETECTOR TUBES

No. WD-11—Radiotron renewal tube for receivers using 1½ volts on the filament; for mounting in regular dry battery sockets; height 4 ins; diam 1¼ ins; draws ½ ampere... Each 10 20 *$4 00*

WESTINGHOUSE

No. WD-12—Radiotron renewal tube for receivers using 1½ volts on the filament; with regular base for mounting in storage battery sockets; height 3 ins; diam ¼ in; draws ¼ ampere... Each 10 20 *$4 00*

LOUD SPEAKER, WARREN Jr.

Aluminum horn and tone chamber; horn crackle finish, tone chamber highly polished. Produces a rich and clear tone.

Equipped with adjuster for adjusting tone to the desired point. Each

No. WJR—Height 15 inches..... 16 65
One in carton; wt each 3½ lbs *$8 50*

MUSIC MASTER LOUD SPEAKER

Has undoubtedly the most clearest tone of all Radio Loud Speakers. Heavy cast aluminum tone chamber with violin wood amplifying bell that hangs suspended in perfect balance free from contact with the cabinet, thus giving full play to its resonant qualities.

Each

No. MM-8—Solid mahogany case; highly polished; Art panel front; silk backing 84 00
One in carton; wt each 21 lbs. *$35 00*

MUSIC MASTER LOUD SPEAKER

Has undoubtedly the most clearest tone of all Radio Loud Speakers. Heavy cast aluminum tone chamber; bell shaped horn made of violin wood. Art metal base, felt pad. Equipped with 5 foot extension cord.

Each

No. MM-14—Home model, 14 inch horn 72 00
$30 00

No. MM-21—Concert model, 21 inch horn..... 84 00
One in carton. *$35 00*

Radio Corporation of America. Storage Battery Not Required.

Bell shape horn made of heavy fibre, with metal base, black finish. This type is a distinct advance in the art of Radio reproduction. This instrument is a scientific coordination of a powerful loud speaker unit. The powerful four pole unit requires no adjustment and responds to a wide range of frequencys which the horn reinforces. Equipped with five foot extension cord. Each

No. FH Height 30 ins; diam horn 14½ ins.. 52 50
One in carton; wt each 12 lbs. *$25 00*

RADIO ACCESSORIES AND PARTS

LOUD SPEAKERS

Radio Corporation of America. Electro Magnetic Reproducer, Storage Battery Not Required.

Especially adapted for small rooms such as homes, offices and amateur stations. Bell shape horn, made of heavy fibre, with metal base, black finish. Base has two adjustments for controlling volume and distortion and is equipped with five foot extension cord with plug attached. Each

No. UZ 1325 Old No. UL1320)—Height 26 ins; diam horn 12 ins..... $6 25

One in carton; wt each 10 lbs. *$25 00*

Baldwin.

Especially adapted for small rooms such as homes, offices and amateur stations. Bell shape horn, made of heavy fibre, satin finish; metal base, black finish. Equipped with five foot extension cord.

Nos.	SB-11	SB-14
Height ins	21	23
Diam horn, ins	11	14
Wt each, lbs	9	10
1 to 6, Each	35 01	50 01
7 or more, Each	34 14	48 75
List, Each	*$17 50*	*25 00*

One in carton.

MANHATTAN JUNIOR

Especially adapted for average size rooms. Bell shape horn made of heavy fibre with metal base, black finish

Diaphragm is especially large and heavy, firmly locked in place. Equipped with concert modulator in base by which the instrument can be satisfactorily accommodated to set, tubes and strength of the "B" battery so that the best results can always be obtained also eliminates any possibility of chattering by overloading from powerful receiving sets. Height 22 inches; diameter horn 10 inches.

No.	2554
1 to 47, Each	21 00
48 or more, Each	19 50

Four in carton, 48 in store pkg; wt each 5½ lbs. *$20 00*

TABLE TALKER

Brandes.

Especially adapted for average size rooms. Bell shape horn made of heavy fibre, deep brown finish, metal base; brown finish, the base is felt padded to protect furniture. Base equipped with five foot flexible cord with binding posts for extensions. Diameter horn 9 inches; height 22 inches.

No.	BTT
1 to 15, Each	19 50
16 or more, Each	18 00
List Price, Each	*$10 00*

One in carton; wt each 4¾ lbs.

Extra Horns for No. BTT Brandes Table Talker.

No.	B-H
1 to 9, Each	12 60
10 or more, Each	11 70
List, Each	*$6 00*

One in carton; wt each 3 lbs.

RADIO ACCESSORIES AND PARTS

PHONOGRAPH UNITS, UNIVERSAL NATHANIEL BALDWIN

Extra heavy diaphragm, will not rattle or crack. Can be attached to horn of any phonograph. Each unit is mounted on a metal base, felt padded. Baked black enameled finish.

Height 3⅛ nches; diameter base 2⅞ inches.

No.	LSU
1 to 9, Each	20 01
10 or more, Each	19 50
List, Each	*$10 00*

One in cardboard box; wt each 1½ lbs.

LOUD SPEAKER UNITS NATHANIEL BALDWIN

Extra heavy diaphragm, will not rattle or crack. Equipped with attachment device designed so that anyone can make his own loud speaker by attaching unit to horn, Each

No. CLS—Diam ⅝ in. complete with 5½ ft cord..... 13 50

$6 00

One in cardboard box; wt each ¾ lb.

PHONE ADAPTERS

Black bakelite body, heavy rubber tube extends through top. Especially adapted for converting a phonograph horn into a loud speaker with any head set. Each

No. 4275—Wt each ½ lb..... $2 04

Packed loose.

HEAD TELEPHONE SETS

Baldwin Double, With Cord.

Manufactured by Nathaniel Baldwin, Incorporated, under the personal supervision of the inventor, Nathaniel Baldwin.

The Baldwin mica diaphram radio telephone headsets are the nearest to perfection among electro-magnetic receivers. They are used by the U. S. Navy and war Departments and by many foreign governments and private operators. No. CHS has large diaphragm, ⅝ inch in diameter, standard resistance. No. GHS has a special diaphragm seat.

Nos.	CHS	GHS
1 to 9, Each	24 00	26 01
10 or more, Each	23 40	25 35
List, Each	*$12 00*	*13 00*

One in carton; wt each 1½ lbs.

BRANDES, MATCHED TONE

Superior Type Headset With Polarity Indicating Cord.

No.	UD-790
1 to 49, Each	11 70
50 or more, Each	10 80
List, Each	*$6 00*

Navy Type Headset With Shielded Radio Frequency Cord.

No.	UD-790NT
1 to 11, Each	15 60
12 or more, Each	14 40
List, Each	*$8 00*

FROSTFONES—Double.

Cloth covered head band with nickel plated mountings.

	Aluminum Shell.		Red Bakelite Shell.
Nos.	161	171	172
Ohms	2000	3000	3200
1 to 20, Each	9 00	11 25	13 50
21 to 99, Each	7 80	9 75	11 70
100 or more, Each	7 20	9 00	10 80
List, Each	*$4 00*	*5 00*	*6 00*

One in cardboard box; wt each 1¼ lbs.

B 4

HAND POWER ELEVATORS

(For general description see preceding page).

HOW TO ORDER

Lifting capacity wanted.....
Size of hatchway (we build platform to fit.....
Elevators larger than standard size, see price for additionals.
Style of platform (see diagrams below).....
How many stories high is building (see diagrams below).....
Does car run in enclosed or open hatchway.....
Kind of business to be used for.....
Give the height of each story from top of floor to top of next floor above.

Sub-basement to Basement
Basement to First floor
First floor to Second floor
Second floor to Third floor
Third floor to Fourth floor
Fourth floor (To underside of roof timber.)

These diagrams indicate the different locations of guide posts in hatchway. State which would be best suited to your building.

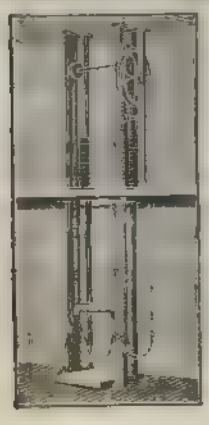
Please make answers as complete as possible, and we will then be able to submit estimates for the elevator work best adapted to your requirements. When convenient make sketch of ground plan of building, showing position of hatchways, etc.

Single Sheave, Capacity 1000 Lbs.

	Each
No. 4—Height 26 ft; platform not exceeding 20 sq ft	✚$652 80
Shipping wt 2200 lbs.	
	Per Sq Ft
Additional sq ft of platform	✚$4 20
	Per Ft
Additional ft in height	✚$8 40

Sheave, Capacity 2000 Lbs.

	Each
No. 2—Height 26 ft; platform not exceeding 36 sq ft	✚$925 65
Shipping wt 2800 lbs.	
	Per Sq Ft
Additional sq ft of platform	✚$4 20
	Per Ft
Additional ft in height	✚$8 40



Combination Sheave, Capacity 2000 Lbs.

	Each
No. 3—Height 26 ft; platform not exceeding 36 sq ft	✚$925 50
Shipping wt 2800 lbs	
	Per Sq Ft
Additional sq ft of platform	✚$4 20
	Per Ft
Additional ft in height	✚$8 40

✚F. O. B. Kentucky Factory Only.

HAND POWER ELEVATORS

(For general description see preceding page).

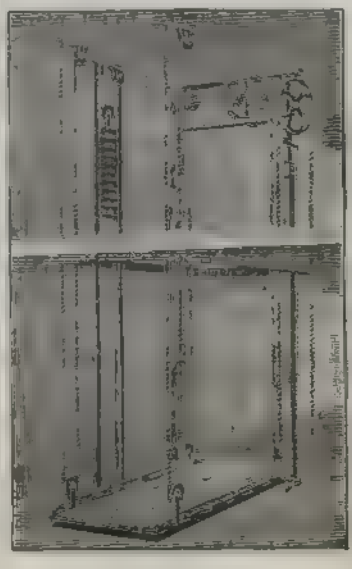
Roller Bearings, Capacity 2500 Lbs.

	Each
No. 11—Height 26 ft; platform not exceeding 36 sq ft	✚$1040 40
Shipping wt 3000 lbs	
	Per Sq Ft
Additional sq ft of platform	✚$4 20
	Per Ft
Additional ft in height	✚$8 40

AUTOMOBILE OR CARRIAGE ELEVATORS

Capacity 3000 Lbs.

	Each
No. 12—Height 26 ft; platform not exceeding 84 sq ft	✚$1244 40
Shipping wt 4200 lbs	
	Per Sq Ft
Additional sq ft of platform	✚$4 20
	Per Ft
Additional ft in height	✚$12 75



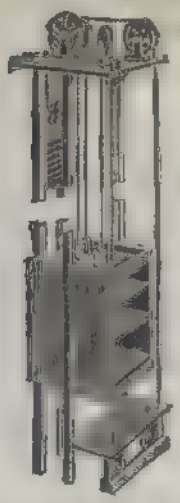
AUTOMOBILE OR CARRIAGE ELEVATORS

Capacity 5000 Lbs.

	Each
No. 13—Height 26 ft; platform not exceeding 84 sq ft	✚$1509 60
Shipping wt 4800 lbs.	
	Per Sq Ft
Additional sq ft of platform	✚$4 20
	Per Ft
Additional ft. in height	✚$14 70

✚F. O. B. Kentucky Factory Only.

DUMB WAITERS



NEW YORK SAFETY

The above illustrates method of attaching fixtures so arranged that the weight may be at the back. The method of attaching brake grip on the under side of the shelf to which the fixtures are attached is also shown.

Place the brake grip in such a position that the hand rope which elevates the car will run through it. To apply the grip, pull the small cord which hangs down the well. To release it, pull down on the hand rope which will cause grip to drop off. To have a smooth, easy working dumb-waiter, overcome friction in every place possible.

Fixtures Only.

One size only. Suitable for all well holes under 24 inches square, not larger. The wheels should be placed on top of car so that weight of car shall be lifted from the center in all cases. They can be placed diagonally if necessary to accomplish this. Counter weight should weigh about the same as the combined weight of car and the two wheels on top, not less. Always use flat counter weights, which can be run in guides or box as desired. For stringing use pliable cotton rope, for operating ½ inch; for safety, ⅜ inch; and for brake, ¼ inch. Samples of rope sent with each set.

	Per Set
No. 25—Fixtures only, without weights	+$83 25

Packed one set in wood box; wt per set 65 lbs.

Dumb Waiters, Complete Car and Fixtures.

	Per Set
No. 26—New York Safety dumb waiters complete with No. 1 car described on following page, counter weight, guide runs, weight runs, and all rope for first 10 ft of travel	+$281 55
	Per Ft
For each additional foot in height add	+$2 40

Fixtures complete in wood box; wt per set 375 lbs.

NATIONAL

Adapted to all places where 30 pounds or less are to be carried. Not suitable for use in wells larger than 18 inches square.

The illustration is a perspective view of the wheels which go at the top of the well, arranged to have the weight at the left.

Hoist wheel 12 inches in diameter, the idler 4 inches, the operating wheels 3 inches.

	Per Set
No. 20—Fixtures only, without weights	+$36 75

One set in wood box; wt per set 35 lbs.

	Per Set
No. 21 Complete with car, counter weight, guide runs, weight runs, and all rope for 10 ft of travel; wt per set 170 lbs	+$197 70
	Per Ft
For each additional foot in height add	+$2 25

Fixtures complete in wood box.

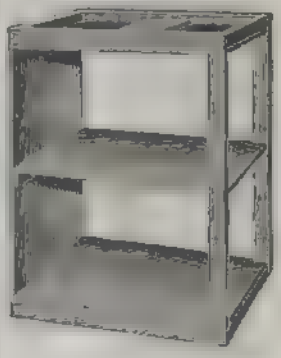
+F. O. B. New Jersey Factory Only.

DUMB WAITER CARS

Prices on Application.

	Each
No. 1—Made of whitewood, with two stationary shelves. Size from 16x16 to 24x24 ins, usual height 36 ins	+
No. 2—Made of ash, with one loose shelf, so as to admit of carrying a barrel of flour, etc. Sizes from 20x20 ins to 32x32 ins, usual height 36 ins	+

Crated.



Prices on Application.

	Each
No. 32—Made of ash, with one loose shelf, so as to admit of carrying a barrel of flour, etc. Open on three sides. For use with double face fixtures. Sizes from 20x20 ins to 32x32 ins	+

Crated.

HAND POWER ELEVATORS

Reliable and Easy Working.

Platform No. 2 and 3 are suspended by two standard wire cables, thereby equally distributing the load on the platform on the two wire cables. This is a great saving to the cables and other parts and gives greater safety and longer wear. The same plan is followed in wheels overhead, which are placed on ends of main shaft close to bearings. The cables are led direct from the platform over the cable sheaves at the top of the hatchway and down again to the counter balance weights without the use of idlers or drums; thus reducing the friction to a minimum. In the event of one of the cables breaking, the second cable is amply strong to hold the load on the platform. Is furnished with a screw brake so arranged as to stop platform at any point of travel, and will firmly hold the load and also permit the operator to control the speed of platform while descending.

Whenever the top floor of a building is less than 11 feet 6 inches, use the Combination Sheave Elevator, as by comparing the cuts, you will note on Sheave Elevator that pulling wheel or sheave is at the front of hatch, and is approximately 5 feet in diameter. Therefore a regular sheave elevator cannot be used where the ceilings are low on account of insufficient clearance way for persons to pass underneath.

We are therefore recommending the Combination Sheave Machine to be used with pulling sheave at side as an elevator should have no less than 6 feet from top of floor to underside of pulling sheave.

The Combination Sheave Elevator is also used to good advantage when the size of the platform is over 5 feet 6 inches in width.

We give full directions and erecting plan with each machine to parties outside of the city, so there will be no difficulty in putting up the elevator. Any average mechanic can put up same by following our directions. **See the following page how to order Elevators.**

+F. O. B. New Jersey Factory Only.

American Made Watches

Guaranteed to Give Perfect Satisfaction

Leonard Watch

Fancy Engraved Gilt or Nickel Case

Leonard Watch, 14 size, open face, plain and fancy engraved nickel case, highly polished movements, stem wind and stem set, heavily regulated. Fully guaranteed.

No. 1W10. Each ..... .98

No. 1W11. As above, gilt case 1.07

No. 1W34. As above, with gold dial and gilt case. Each.. 1.15

This Display Pad FREE with Each Assortment

Leonard Watch Assortment, consists of 8 Leonard Watches, assorted, 14 size, open face, stem wind and set, white dial and fancy engraved Night Watches, with radium dials, each assortment contains one at the dealer's counter or window display fixture.

No. 1W18.

Dealer's Cost	Resale Price	Dealer's Profit
14.60	22.00	7.40

Radium Dial Watch

Will Tell the Time in the Dark

Nickel Radium Night Watch, 16 size, open face, stem wind and stem set, plain snap back and bezel. Black dial, with numbers, hands and hands treated with a luminous substance containing genuine radium. Easily read in the dark. The radium material is permanent and will last for years.

No. 1W4. Each..... 1.40

Jeweled American Made Watches

TWO SPECIAL VALUES

12 size open face green or white gold filled, 10-year quality engraved cases and fancy bow cases. A guaranteed jeweled American made movement with fancy silvered dials.

No. 24W30. Green Gold . . . . **5.75** Each
No. 24W31. White Gold . . . .

American Made Watches

Guaranteed to Give Perfect Satisfaction

Leonard Watch

Fancy Engraved Gilt or Nickel Case

Leonard Watch, 14 size, open face, plain and fancy engraved nickel case, highly polished movements, stem wind and stem set, heavily regulated. Fully guaranteed.

No. 1W10. Each ..... .98

No. 1W11. As above, gilt case 1.07

No. 1W34. As above, with gold dial and gilt case. Each.. 1.15

This Display Pad FREE with Each Assortment

Leonard Watch Assortment, consists of 8 Leonard Watches, assorted, 14 size, open face, stem wind and set, white dial and fancy engraved Night Watches, with radium dials, each assortment contains one at the dealer's counter or window display fixture.

No. 1W18.

Dealer's Cost	Resale Price	Dealer's Profit
14.60	22.00	7.40

Radium Dial Watch

Will Tell the Time in the Dark

Nickel Radium Night Watch, 16 size, open face, stem wind and stem set, plain snap back and bezel. Black dial, with numbers, hands and hands treated with a luminous substance containing genuine radium. Easily read in the dark. The radium material is permanent and will last for years.

No. 1W4. Each..... 1.40

Jeweled American Made Watches

TWO SPECIAL VALUES

12 size open face green or white gold filled, 10-year quality engraved cases and fancy bow cases. A guaranteed jeweled American made movement with fancy silvered dials.

No. 24W30. Green Gold . . . . **5.75** Each
No. 24W31. White Gold . . . .

Ingersoll Watches

A Line of Watches Backed by Many Years of Manufacturing Experience

Guaranteed Timekeepers

Yankee

Costs You 1.17 Sells for 1.75

No. 1W50. Ingersoll Watch, "Yankee." The best known and the best selling watch in the world. Good looking and absolutely reliable.

Each 1.17

Yankee Radiolite

Costs You 1.83 Sells for 2.75

No. 1W51. Ingersoll Watch, "Yankee Radiolite." The Yankee equipped with Radiolite figures and hands. Tells the time in the dark as well as the light.

Each 1.83

Eclipse

Costs You 2.00 Sells for 3.00

No. 1W52. Ingersoll Watch, "Eclipse," smaller and thinner than the Yankee. Always a big seller and good timekeeper.

Each 2.00

Special Terms on Ingersoll Watches Only

Less than 3 dozen lots	1% Discount
3 dozen lots, assorted	2½% Discount
6 dozen lots, assorted	5% Discount
12 dozen lots, assorted	8% Discount

Eclipse Radiolite

Costs You 2.66 Sells for 4.00

No. 1W53. Ingersoll Watch, "Eclipse Radiolite." The Eclipse equipped for reading the time in the dark as well as the light. Dial is dark blue.

Each 2.66

Midget

Costs You 2.33 Sells for 3.50

No. 1W54. Ingersoll Watch, "Midget." A wonderful timekeeper that strongly appeals to women, girls and boys. Case is of solid nickel.

Each 2.33

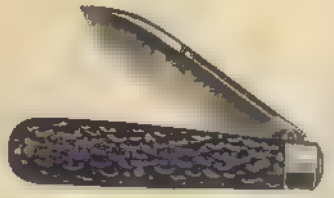
Junior

Costs You 2.33 Sells for 3.50

No. 1W56. Ingersoll Watch, "Junior." A small stylish size watch for men. Size 12 with old fashioned case.

Each 2.33

REMINGTON POCKET KNIVES



One Blade

Length closed, 3⅜ inches; spear blade; crocus polished and etched; steel lined; steel bolster.

No. R3—Stag handle; weight per dozen 1¼ pounds. . . . . Per Dozen **$8 00**

Half dozen in a box.

One Blade, Texas Tickler

Length closed, 5 inches large clip blade; blue glazed and etched; brass rivets and lining; fancy polished steel bolster and cap

No. R953—Stag handle, weight per dozen 2½ pounds. . . . . Per Dozen **$18 00**

Half dozen in a box.

Two Blades

Length closed, 3⅜ inches; spear and pen blades; blades blue glazed; spear blade etched; steel lined; polished steel bolster.

No. R23—Stag handle; weight per dozen 1½ pounds. . . . . Per Dozen **$9 50**

Half dozen in a box.

Two Blades

Length closed, 3⅜ inches; clip and pen blades; blue glazed; clip blade etched; steel lined; steel bolster.

No. R33—Stag handle; weight per dozen 1⅝ pounds. . . . . Per Dozen **$9 50**

Half dozen in a box

Two Blades

Length closed, 3⅜ inches blades blue glazed; master blade etched; brass lined, steel bolster.

No. 1103—Black handle; weight per dozen 1⅜ pounds. . . . . Per Dozen **$9 50**

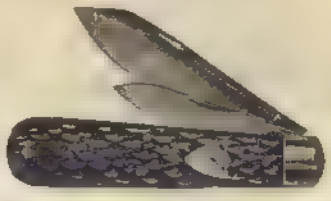
Half dozen in a box

Two Blades

Length closed, 3⅜ inches; spear and pen blades; blades blue glazed; steel lined, long steel bolster.

No. RB43—Brown bone handle; weight per dozen 2 pounds . . . Per Dozen **$9 50**

Half dozen in a box.

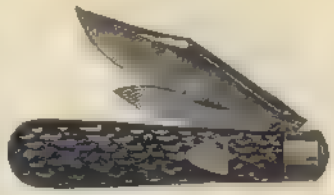


Two Blades

Length closed, 3⅜ inches; spear and pen blade; spear blade crocus polished and etched; pen blade blue polished; brass rivets and lining; nickel silver shield; polished steel bolster.

No. R1063—Stag handle weight per dozen 1⅝ pounds. . . . . Per Dozen **$12.00**

Half dozen in a box.



Two Blades

Length closed, 3⅜ inches; clip and pen blades; clip blade crocus polished and etched; pen blade blue glazed; brass lined; steel bolster

No. R1073—Stag handle; weight per dozen 1⅝ pounds . . . . . Per Dozen **$12 00**

Half dozen in a box

Two Blades

Length closed, 3½ inches, spear and pen blades; blades blue glazed and etched; brass lined; steel cap

No. R73—Stag handle, weight per dozen 2 pounds. . . Per Dozen **$13 00**

Half dozen in a box.

Two Blades

Length closed, 3½ inches, clip end pen blades; clip blade etched; both blue glazed; brass lined; nickel silver shield; polished steel bolster.

No. R83—Stag handle; weight per dozen 2¼ pounds . . . . . Per Dozen **$15 00**

Half dozen in a box

Two Blades

Length closed, 3½ inches; sheep foot and pen blades, blades blue glazed; master blade etched; brass lined; steel cap and bolster

No. R123—Stag handle; weight per dozen 2¼ pounds. . . . Per Dozen **$16 00**

Half dozen in a box

Two Blades

Length closed, 3⅜ inches; clip and pen blades; blades blue glazed; steel lined; long steel bolster.

No. RB14—Brown bone handle; weight per dozen 2 pounds . . . . . Per Dozen **$9 50**

Half dozen in a box.

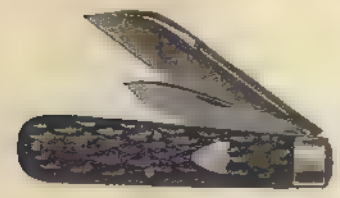
REMINGTON POCKET KNIVES

Two Blades

Length closed, 3½ inches; spear and pen blades; spear blade crocus polished and etched; pen blade blue glazed; brass lined; steel rattail bolster; nickel silver cap

No. R433—Stag handle; weight per dozen 1⅝ pounds.... Per Dozen **$24 00**

Half dozen in a box.



Two Blades

Length closed, 3⅝ inches; blades blue glazed; master blade etched; brass lined; steel bolster.

No. R1113—Stag handle; weight per dozen 1¾ pounds . Per Dozen **$12.00**

Half dozen in a box.

Two Blades

Length closed, 3½ inches spear and pen blades; blades blue glazed; spear blade etched, brass rivets and lining; polished steel bolster and cap; nickel silver shield.

No. R413—Stag handle weight per dozen 2¼ pounds.... Per Dozen **$16.00**

Half dozen in a box

Two Blades

Length closed, 3 inches; congress and pen blades; congress blade crocus polished and etched; pen blade blue glazed; brass lined; steel bolsters.

No. R6103—Stag handle; weight per dozen ¾ pound ... Per Dozen **$16.00**

Half dozen in a box.

Two Blades

Length closed, 3½ inches, congress and pen blades, congress blade crocus polished and etched, pen blade blue glazed; brass lined; nickel silver bolsters.

No. R6153—Stag handle; weight per dozen 1¼ pound.... Per Dozen **$18 00**

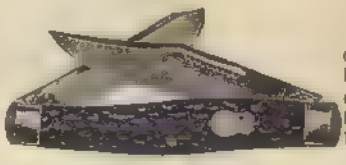
Half dozen in a box.

Two Blades

Length closed, 4⅜ inches; congress and pen blades; congress blade crocus polished and etched; pen blade blue glazed; polished steel rattail bolsters; brass lined; nickel silver shield and rivets

No. R6063—Stag handle; weight per dozen 1⅝ pounds. . Per Dozen **$22.00**

Half dozen in a box



Two Blades

Length closed, 3⅝ inches; clip and spey blades; clip blade crocus polished and etched; spey, blue glazed, brass lined; nickel silver bolsters, shield and rivets.

No. R4003—Stag handle; weight per dozen 1¾ pounds... Per Dozen **$20 00**

Half dozen in a box.

Two Blades

Length closed, 2½ inches; spear and pen blades; blades full crocus polished, nickel silver tips, shackle, rivets and lining.

No. R6904—Pearl handle; weight per dozen ½ pound.... Per Dozen **$21 00**

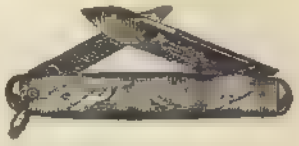
Half dozen in a box.

Two Blades

Length closed, 3 inches; spear and file blades; spear blade crocus polished and etched; nickel silver shackle and rivets

No. R6949—Nickel silver handle; weight per dozen ¾ pound . . . . . Per Dozen **$16.00**

Half dozen in a box



Two Blades

Length closed, 3 inches; spear blade crocus polished and etched; file blade blue glazed; brass lined; nickel silver tips and shackle.

No. R6504—Pearl Handle; weight per dozen ¾ pound... Per Dozen **$42 00**

Half dozen in a box

Two Blades

Length closed 3¼ inches; spear and file blades; spear blade crocus polished and etched; nickel silver tips; shield, rivets and lining

No. R6204—Pearl handle; weight per dozen ¾ pound.... Per Dozen **$42 00**

Half dozen in a box

Office Knife, Two Blades

Length closed, 3¾ inches; spear blade crocus polished; eraser blade blue glazed; brass lined.

No. R6175—Pyremite handle; weight per dozen 1¼ pound . . . . Per Dozen **$18.00**

Half dozen in a box.

REMINGTON POCKET KNIVES

Two Blades

Length closed, 3⅛ inches spear blade full crocus polished and etched; manicure file blade on back; nickel silver tips, chilled rivets and milled lining.

No. R6244—Pearl handle weight per dozen 1 pound... .....Per Dozen **$48 00**

Half dozen in a box.

Three Blades

Length closed, 2¾ inches; spear and pen blades full crocus polished; manicure file blade on back; nickel silver shackle, rivets and milled lining.

No. R6434— Pearl handle, weight per dozen ¾ pound... . . . . Per Dozen **$36.00**

Half dozen in a box

Three Blades

Length closed, 3¼ inches; spear, pen and file blades full crocus polished; spear blade etched; nickel silver tips, shield, rivets and lining.

No. R6224—Pearl handle; weight per dozen ¾ pound... . . . . Per Dozen **$54.00**

Half dozen in a box

Three Blades

Length closed, 3⅛ inches; spear blade crocus polished and etched; pen and file blades blue glazed; milled brass linings; nickel silver bolsters

No. R6333—Stag handle; weight per dozen 1¼ pounds... .....Per Dozen **$27 00**

Half dozen in a box.

Three Blades

Length closed, 3½ inches, congress blade crocus polished and etched; other blades blue glazed; brass lined; nickel silver bolsters.

No. R6133—Stag handle weight per dozen 1½ pounds... . . . Per Dozen **$27.00**

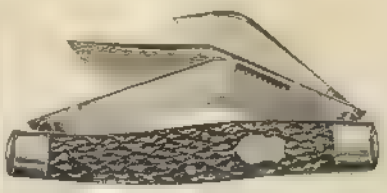
Half dozen in a box.

Three Blades

Length closed, 3⅞ inches; clip blade crocus polished and etched; spey and sheepfoot, blue glazed, nickel silver bolsters, shield and rivets; brass lining and milled center scale

No. R3053—Stag handle; weight per dozen 2½ pounds... . . . .Per Dozen **$28 00**

Half dozen in a box.

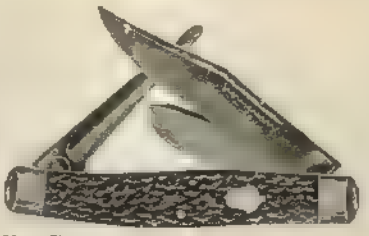


Three Blades

Length closed, 3⅞ inches; clip blade blue glazed and etched; sheepfoot and spey blue glazed; polished steel bolsters; brass lining.

No. R3553—Stag handle; weight per dozen 2½ pounds... . . . .Per Dozen **$24 00**

Half dozen in a box

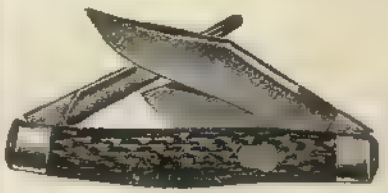


Three Blades

Length closed, 3⅞ inches; clip blade crocus polished and etched; spey blade blue glazed; punch blade blued and polished; milled brass lining; nickel silver bolsters

No. R3063—Stag handle, weight per dozen 2½ pounds... . . . .Per Dozen **$30 00**

Half dozen in a box

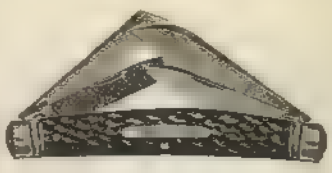


Three Blades

Length closed, 3⅞ inches, clip blade blue glazed and etched; spey blade blue glazed; Punch blade blued and polished; brass lined; polished steel bolsters.

No. R3563—Stag haule; weight per dozen 2½ pounds... .....Per Dozen **$24.00**

Half dozen in a box



Four Blades

Length closed, 3½ inches; congress blade polished and etched; pan, cut-off and file blade blue glazed; nickel silver bolsters; nickel silver rivets and shield, brass lining.

No. R6113—Stag handle; weight per dozen 1⅜ pounds... . . . . .Per Dozen **$28 00**

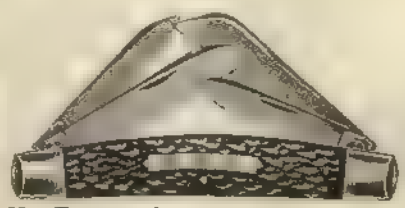
Half dozen in a box.

Four Blades

Length closed, 3¾ inches; congress and pen blades; master blade crocus polished and etched other blades blue glazed, nickel silver bolsters; brass lining

No. R6073—Stag handle; weight per dozen 2 pounds. . . . . Per Dozen **$32 00**

Half dozen in a box



Four Blades

Length closed, 4⅛ inches blades full crocus polished; congress blade etched nickel silver bolsters; brass lined

No. R6043—Stag handle; weight per dozen 2⅝ pounds.. . . . . .Per Dozen **$36.00**

Half dozen in a box.

Department No. 9

CUTLERY

KEITH-SIMMONS CO., INC.
NASHVILLE, TENN.

APOLLO BICYCLES

The King of the Road

Bicycles look pretty much alike to the average buyer even the expert must depend upon the reputation of the producer for assurance of quality, material and workmanship

Apollo brand bicycles have a reputation of being the best all-around bicycles on the market Materials used in the making and assembling of these bicycles are thoroughly inspected before used Built by expert mechanics of long experience Apollo bicycles are made to give perfect satisfaction to the user. Popular and well known tires that will give long wear are used By what we say above we can safely guarantee our bicycles

GUARANTEE

APOLLO bicycles are fully guaranteed against any imperfections in material or workmanship, and repairs or replacements will be made free of charge, provided parts claimed to be defective are delivered to us transportation charges prepaid, and found by us to be defective.

A separate letter should be mailed in order to help us identify the parts.

This guarantee expires December 31st of the year during which purchase was made

As we do not manufacture Coaster Brakes, Saddles, Pedals, Handle Bars, Tires, etc., these various accessories are guaranteed by their respective manufacturers, as is the usual trade custom and all claims should be taken up directly with them

We have exercised the greatest care in the selection of tires for the various grades and all tires are guaranteed by the maker, to whom all claims for adjustment must be made.

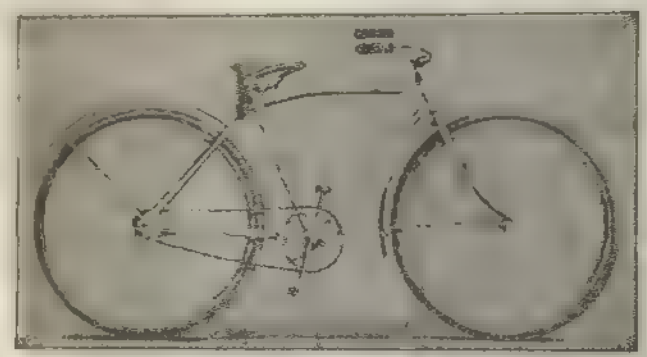
N. SHURE CO.

SPECIAL NOTICE

We require a week to ten days time to make shipment of any of our bicycles as we do not carry them in stock completed Before making shipment we equip them with fresh tires and enamel. By doing this we deliver them with all their brilliancy and also gives the user longer wear

Boy's Special Apollo Model

A Real Man's Bicycle Built in Boy's Size



Model A-100

The Best Constructed Most Highly Finished

BOY'S BICYCLE

EVER BUILT

27.75 Each

SPECIFICATIONS

FRAME. 18 inch, made of one-inch 19 gauge, high carbon steel tubing, flush joints throughout.
WHEELS. 26 inch
FORK. Drop forged crown, fork sides nicely tapered 18 gauge
CRANK HANGER. One-piece, 6½ inch crank, nickel plated
FINISH. Handsomely enameled in carmine with white head four coats, hand rubbed.
FRONT HUB New Departure.
COASTER BRAKE. New Departure.
RIMS. One-piece maple, aluminum finish.
CHAIN. ½ inch.
SPOKES. 28 in each wheel
TIRES. U. S. Red Studded Tread.
HANDLE BAR. Juvenile adjustable, short rubber grips
SADDLE. Juvenile coil spring.
PEDALS. Juvenile rubber
GUARDS. Front and rear.

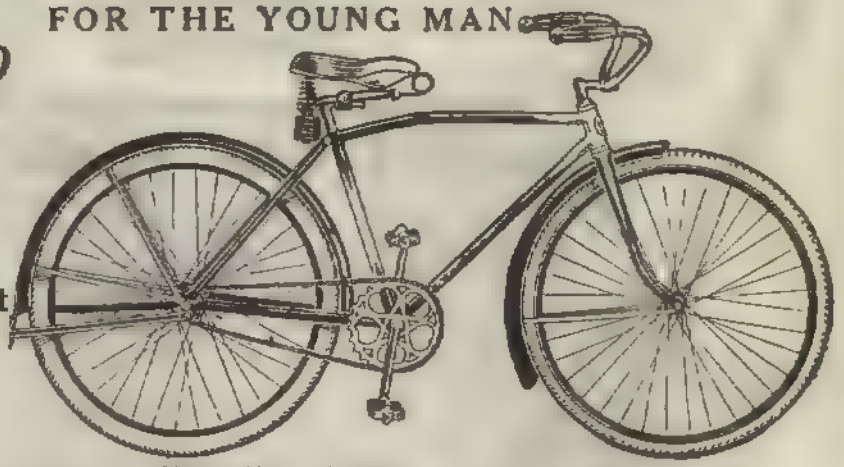
THE SHURE WINNER PRICE LIST

APOLLO BICYCLE

FOR THE YOUNG MAN

Model A400

Built for the Discriminating Buyer who Wants the Best



29.75 Each

SPECIFICATIONS

FRAME. Built on regular 24 inch diamond frame line but with 2 inch drop of upper bar at seat post mast, this making a specially strong frame with full size wheels and tires. Made of 1 inch 19 gauge high carbon steel tubing, flush joints.

WHEELS. 28 inch.

FORK. Drop forged, oval crown seamless fork sides. 17 gauge

CRANK HANGER. Drop forged, 7 inch cranks, one-piece, removable without disturbing cups.

FRONT HUB. New Departure.

FINISH. Handsomely enameled in carmine. Hand striped, tastefully decorated with fancy white head

COASTER BRAKE. New Departure.

RIMS. One-piece maple, enameled to match frame.

CHAIN. ½ inch roller

SPOKES. Highest quality, 36 inch front, 36 inch rear

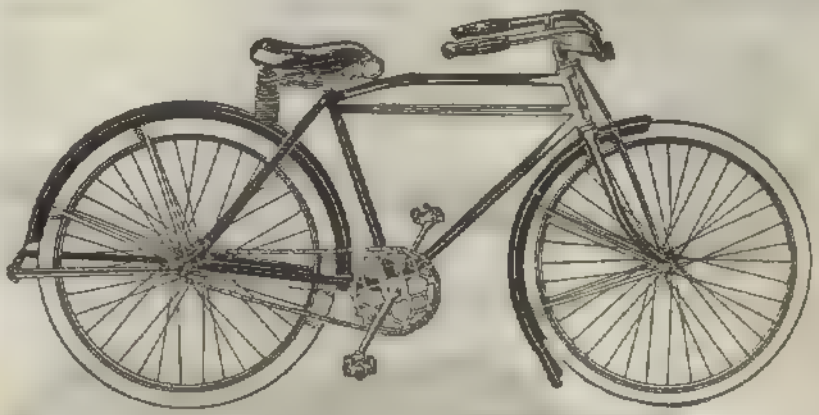
TIRES. United States Chain Black Tread

HANDLE BAR. Adjustable, forward extension with long rubber grips.

SADDLE. Motorlike style.

APOLLO MOTORBIKE

THE YOUNG MAN'S FAVORITE



Model A900

The Zenith of Bicycle Quality

32.75 Each

SPECIFICATIONS

PEDALS. Rubber.

GUARDS. Deep drop side.

FRAME. Finest joint 1 inch, high carbon steel tubing, extra heavy and strongly reinforced 22 inch frame measuring 20 inches at seat post

WHEELS. 28 inch.

TRUSS FORK. Motorcycle style as illustrated, made of 17 gauge high carbon steel tubing, handsomely decorated.

CRANK HANGER. Drop forged one piece 7 inch; can be removed without disturbing cups.

FINISH. Handsomely enameled in Blue decorated with fancy white head. Four coats, hand rubbed.

FRONT HUB. New Departure

COASTER BRAKE. New Departure

RIMS. One-piece maple enameled to match frame

CHAIN. ½ inch roller.

SPOKES. Highest quality, 36 inch front, 36 inch rear.

TIRES. U. S. Chain black tread

HANDLE BAR. Motorcycle style, adjustable extension, long rubber grips

SADDLE. Motorcycle style

PEDALS. Rubber

GUARDS. Deep drop sides

Sensationally low list price, yet an exceptionally good margin of profit for the dealer on every sale—quick turnover.

BEE-VAC
ELECTRIC CLEANER

Satisfactory and profitable to handle because it is trouble proof—STAYS SOLD and leads to other sales.

New and Improved Type "Model G"

Why BEE-VAC Leads in Quality

1—Equipped with a BIRCO 1/6 H. P. universal motor—horizontal and air cooled. Made especially for vacuum cleaner use.

2—Super-Suction, developed by perfectly balanced motor and fan, acts through narrow nozzle, extracting ALL ground-in germ laden dust and nap cutting grit.

3—Hinged self-cleaning double brush removes all clinging surface litter. When stubborn lint is removed brush is easily released and swings to rear of nozzle out of the way, but ready for instant use.

4—Dust bag, attached to exhaust by simple bayonet bag ring, easily emptied through large patented opening device at top of the bag.

5—Improved type ball and socket handle knob, relieves wrist strain and conforms automatically to changing position of operator's hand.

6—Rubber tired composition wheels placed outside and back of nozzle prevents breakage and permits thorough cleaning along entire length of fourteen inch nozzle and in corners.

7—Hose terminal easily connected to center of fan casing making attachments unusually effective.

8—Handle locking device, simple and positive, prevents stooping.

9—Entire casing made of highly polished cast aluminum—more durable than steel and rust proof.

10—The BEE-VAC, made with every thought for maximum service and efficiency, is built by specialists with thirteen years experience in manufacturing electric vacuum cleaners and vacuum cleaner motors.

An illustrated booklet goes with each cleaner, showing how to care for it and how to use it for all different kinds of work.

EACH
30.50

RETAIL PRICE
Cleaner 44.50
Attachments 7.50

YOUR COST
Cleaner 30.50
Attachments 5.25

Extra Attachments for BEE-VAC Electric Cleaner

No. 1—An 8 ft. Rubber Hose with swiveled metal connection for insertion in machine.

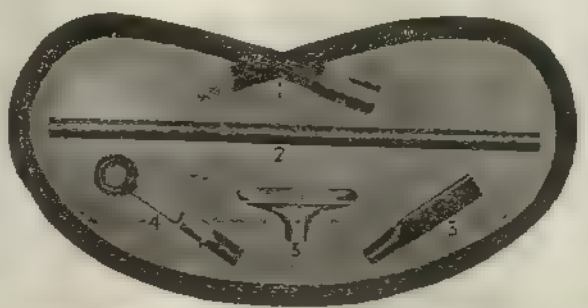
No. 2—30 inch Black Fibre Extension Tube to insert in rubber end of hose to reach out-of-the-way places.

No. 3—7 inch Aluminum Nozzle for cleaning books, shelving, molding, etc.

No 4—Hollow Library Brush for heavy clothing, portieres, draperies, etc.

No. 5—Blower Nozzle for extracting dust from radiators, registers, and grille work.

Price for complete Set of Extra Attachments..... **5.25**



LEADING WIRE

ATLAS

Single Form

Used to connect the blasting machine with the electric blasting caps, igniters, squibs, etc. Insulated copper wire, No. 14 Brown & Sharpe gauge

Leading Wire—Coils, feet.....	250	500
Weight per coil, lbs.....	5	10
Per Pound	$....	..

Open stock

CONNECTING WIRE

ATLAS

No. 20 B. & S. Gauge

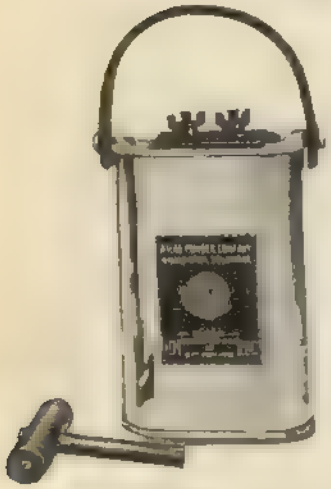
Used to connect the shots together in a single circuit when the wires of the caps themselves are not long enough

No. 20—Insulated copper wire, put up on 1 pound spools containing about 230 ft...Per Pound $....

Open stock

BLASTING MACHINES

ATLAS



Atlas Blaster

An especially handy general purpose machine that is light in weight and provided with a leather strap for carrying.

Operated by a key which is a separate part of the machine. This key may be kept in possession of the shot firer, thus preventing the operation of the machine by any other person

The operation is simple the machine is held in the left hand (bottom toward operator). The operating key, grasped in right hand, is inserted in the socket with back of hand toward the operator. A quick twist of the handle to the right fires the blast. The more quickly the twist is made the greater the power developed

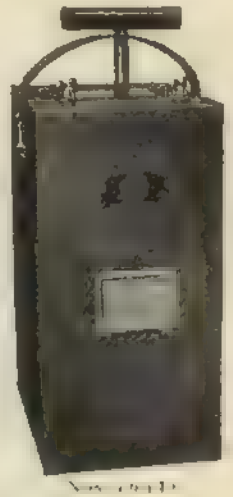
Based on insulated wire of lengths not exceeding 600 feet for No. 14 wire, 350 feet for No. 16 wire, or 200 feet for No. 18 wire. Atlas blasters will fire at the rated number of blasting caps stated in specifications

No. 2—Will fire ten 30 foot copper wire electric blasting caps or ten 6 foot iron wire electric blasting caps connected in single series; dimensions 4¾x2x6¾ inches high; net weight 5½ pounds; shipping weight 6½ pounds .....Each $22.50

One in a box.

BLASTING MACHINES

ATLAS



Atlas

Atlas Blasting Machines are small portable dynamos mounted in a box The armature of the dynamo is rotated by a downward thrust of rack bar. This converts muscular force into electrical energy

During the operation, the electric current is short-circuited through the field magnets for the purpose of building up, intensifying and storing the current until the end of the rack bar stroke, when the entire accumulation of current is delivered to the circuit.

Standard size for quarry, mine and ditch blasting.

No. 3—Will fire fifty 30 foot copper wire electric blasting caps or fifty 6 foot iron wire electric blasting caps connected in single series; size 7x8x14¾ inches high; net weight 22 pounds.....Each $35 00

One in a box.

U. S. Standard

These machines are similar to the Atlas No. 3, but differ considerably in design

No. 5—Will fire one hundred 30 foot copper wire electric blasting caps or one hundred 6 foot iron wire electric blasting caps connected in single series; size 9x11x21 inches high; net weight 57 pounds; shipping weight 75 pounds .....Each $100.00

No. 6—Will fire one hundred and fifty 30 foot copper wire electric blasting caps or one hundred and fifty 6 foot iron wire electric blasting caps connected in single series; size 8½x10¾x17½ inches high; net weight 41 pounds; shipping weight 55 pounds..Each $150.00

One in a box

Note—Blasting powder is not carried in stock but is shipped from nearest magazine by **freight only**; cannot be packed with other goods nor can it be shipped by boat or express

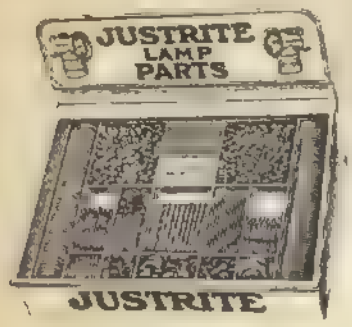
Note—Dynamite is not carried in stock but is shipped from nearest magazine by **freight only**; cannot be packed with other goods nor can it be shipped by boat or express.

Dynamite and Powder can be shipped together, but under no circumstances can they be shipped with Dynamite Caps, Electric Blasting Caps or any other goods

Dynamite takes double first-class rates. Dynamite in lots of 200 pounds and over will be shipped freight prepaid; less than 200 pounds, F. O. B. nearest distributing point

MINERS CARBIDE LAMP PARTS

JUSTRITE REPAIR OUTFITS



Contents No. 3

36	No.	22	Tip Cleaners.
144	No.	28	Jewel Burner Tips.
72	No.	37	Tip Cleaners.
100	No.	60	Gaskets
100	No.	62	Felts
12	No.	64	Felt Holders.
144	No.	66	Tips.
72	No.	145	Reamers.
48	No.	172	Flints.
24	No.	173	Springs.
24	No.	174	Screw Caps
12	No.	176	Forks and Nuts
24	No.	177	Lighters
6	No.	181	Water Caps
24	No.	182	Hex Nuts
12	Valve Stems		

No. 3—Consists of parts as listed above; put up in handsome metal show case with glass cover, sliding drawer opening from back; white enamel finish..Each $42.12

CALCIUM CARBIDE

MINERS LAMP UNION CARBIDE

Specially selected and perfectly adapted for use in miners lamps. Because of its high gas yield, special selection, uniform size, freedom from dust, and its uniform quality, is the most economical and satisfactory Carbide for use in miners lamps. Will keep indefinitely if protected from air and moisture.

In 2 Pound Blue and Gray Cans

Each can is equipped with a compression top which can be easily replaced in position, so that carbide remaining in can will be thoroughly protected from air and moisture

2 Pound Cans—Twenty-four cans in case. .....Per Case $9.60

24 cans in a case.

In 25 Pound Blue and Gray Drums

Packed in substantial sheet steel drums. Each drum is equipped with a screw top which can easily be replaced in position so that the carbide remaining in drums will be thoroughly protected from air and moisture

25 Pound Drums.....Per Drum $3.25

Open stock.

In 100 Pound Blue and Gray Drums

Packed in substantial sheet steel drums.

Each drum is equipped with a screw top which can easily be replaced in position so that the carbide remaining in the drums will be thoroughly protected from air and moisture.

100 Pound Drums....Per Drum $11.70

Open stock.

BLASTING POWDER

ATLAS

"B" Grade

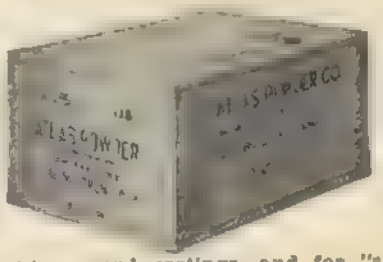
Made of charcoal, sulphur and sodium nitrate, glazed over with graphite. The smooth surface thus obtained causes the powder to flow freely and pack tightly in the bore holes. All granulations have same strength, difference in size determining difference in action; the finer the grain the speedier the action; finer granulations, therefore, shatter more than coarser ones

Packed in Sheet Steel Kegs, 25 Pounds in a Keg

Atlas Blasting—Size grain..	F	FF	FFF
Per Keg ..... $			

DYNAMITE

ATLAS



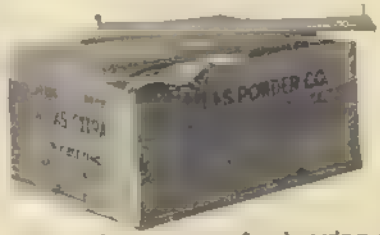
Nitroglycerin

Low freezing. A powerful, quick acting, high explosive; will shatter and splinter and should, therefore, be used wherever this result is desired; very effective for blasting boulders by mudcapping, for breaking old machinery and castings, and for "shooting" ditches in wet ground; will partially resist water, but if permitted to remain in a wet place for any great length of time, will loose a part of its strength.

In 1¼x8 inch sticks, weight about ½ pound

Atlas Nitroglycerin—Grades	40%	50%	60%
Per Pound ..... $....		....	....

In 25 and 50 pound boxes



Extra

Low freezing. Ammonium nitrate partly takes the place of nitroglycerin; while the strength is equal to that of the corresponding grade of nitroglycerin dynamite, the speed of detonation is slower; this produces more of a heaving and rending than a shattering effect; one of the safest explosives to handle and use; requires severe shock to detonate it; risk from accidental explosion is slight.

Well adapted to quarry and construction work, highway and railroad blasting, and to mining operations. Will give good results wherever conditions are not very wet.

Atlas Extra—Grades.	40%	50%	60%
Per Pound ..... $ ...		....	....

In [illegible] pound boxes

BLASTING FUSE

ENSIGN-BICKFORD, SAFETY

Beaver Brand

A yellow finished double countered fuse suitable for dry or damp work such as is encountered in most agricultural, block hole, or adobe blasting. In coils of 50 feet each, 2 coils in package.

Beaver	.Per 1000 Feet $7.00
Single Tape	.Per 1000 Feet 7.70

Crescent Brand

This fuse is very popular in large mining districts on account of its neat appearance and good waterproof qualities. It has one cloth tape and two waterproofing coats. Cotton threads are wound on the exterior of this fuse and it is finished with a clean, hard, white coat. In coils of 50 feet each, 2 coils in package.

Crescent	.....Per 1000 Feet $8.65
Double Tape	.....Per 1000 Feet 8.65

All fuse packed in cases of 6000 feet.

CAP CRIMPERS AND FUSE CUTTERS

ATLAS

Frosted Finish

Equipped with fuse cutting attachment and has one arm pointed for purpose of making hole in cartridge when priming. The finish prevents rusting and makes the tool easily discernible in dark places, such as mines.

No. 1 [illegible] .....Per Dozen $8.00

Half dozen in a box.

BLASTING PAPER

IN ROLLS

Coal Miners Shooting Paper

This paper is used for making cartridges to contain blasting powder. It is also sometimes used for making up "tamping bags".

Black Diamond—Put up in 1 pound rolls, width 9 inches, fifty rolls in a crate; weight 100 pounds .. Per Pound $ . .

Ideal—Put up in 1 pound rolls, width 9 inches; made from 90 pound glazed fibre, dark drab color; fifty rolls to carton; weight 50 pounds .....Per Pound $....

BLASTING CAPS

ATLAS

No. 6 Fuse Caps

Made of malleable copper. Diameter of the shell is as close to the size of a fuse as practicable in order that when the cap is crimped on the fuse the joint will be as waterproof as it is possible to make it.

No. 6 -Length of shell, 1½ inches, outside diameter of shell, 2.5 inch weight of explosive charge 1 gram .....Per 1000 $.

One hundred in a box.

No. 6 Electric Caps

Fired by means of electricity instead of a fuse. Wires carefully and effectively insulated and carefully tinned to prevent rust on iron and corrosion on copper wires. The caps also are waterproofed with the utmost care to prevent moisture from reaching the explosive charge.

Wires, feet	4	6	8	10	12	16	20
No. in box...	50	50	50	50	50	25	25
No. in case	500	500	500	500	500	250	250
Wt. 100, lbs..	3½	5¼	6¾	8	9¾	14	16
Per 100	$6.25	7 00	7.75	8 50	9.25	10.00	10 75

OUTDOOR FIXTURES

BENJAMIN

FIXTURE ONLY—NO STEM

No. 5102

Includes weather-proof steel hood (see illustration following), ball globe and two-piece easy-to-wire porcelain socket with Benjamin lamp grip. Hood has fitting tapped for ½-inch iron pipe stem; ¾-inch if specified; 1 inch or 1¼-inch at an advance of 20 cents list. Finish is black enamel.

No.	Finish of steel hood	Size of lamp, watts	Size globe, in.	Std. pkg.	Each
5102	Porcelain enamel	300, 500	10x6	5	$6.50
5107	Porcelain enamel	750, 1000	12x8	5	9.00

WITH GOOSENECK SUPPORT

Includes steel hood as above, ball globe, easy-to-wire two-piece porcelain socket with Benjamin lamp grip, and 40x¾-inch gooseneck with No. 5031 pole fitting. Hoods are finished black; iron parts are galvanized.

No. 6102

No.	Finish of steel hood	Size of lamp, watts	Size globe, in.	Std. pkg	Each
5112	Porcelain enamel	300, 500	10x6	5	$ 9.10
6102	Porcelain enamel	750, 1000	12x8	5	11.60

WITH REFLECTOR AND MAST ARM

No. 5118

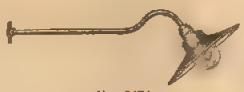
Has steel hood as above, ball globe, easy-to-wire two-piece porcelain socket with Benjamin lamp grip, porcelain enameled steel reflector and three-foot mast arm with head, chains and pole fittings. For fixture less mast arm, deduct $3 50 list. Reflector and hood are finished black outside. Iron parts are galvanized.

No.	Finish of steel hood	Size of lamp, watts	Size reflector in.	Std. pkg.	Each
5118	Porcelain enamel	300, 500	15	5	$12.65
6120	Porcelain enamel	750, 1000	20	5	16.50

Prices do not include wires or lamps.

MOISTURE-PROOF FIXTURE

With 45° gooseneck support



No. 5471

This is a moisture-proof, gas-proof, and weather-proof fixture. Has cast iron hood, porcelain socket with lamp grip, non-corroding globe holder, special gasket, screw threaded enclosing globe, porcelain enameled steel reflector, and 45-degree gooseneck support and wall fitting. Gooseneck is of ½-inch iron pipe and measures 39 inches from wall to lamp center. Pole fitting may be ordered without extra charge. For fixture less gooseneck and fitting, deduct $1.35 list. Iron parts are galvanized; reflector is green outside, white inside.

No.	Size of lamp, watts	Color of globe	Size reflector, in.	Std. pkg.	Each
5471	25 to 60	Clear	15	10	$6.75
5472	100, 150	Clear	16	10	8.05
5473	25 to 60	Ruby	15	10	9.10

SHALLOW BOWL REFLECTOR FIXTURE

With gooseneck support

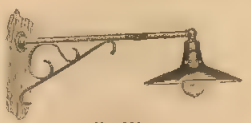
No. 1215

This single unit is designed as a general utility outdoor fixture, for example, as a barn or garage light. Material is weather-proof throughout, has Benco copper shell socket, porcelain enameled steel reflector, and gooseneck with wall or pole fitting. Gooseneck is of ½-inch pipe and extends 30 inches from wall to lamp. Wall fitting is regularly furnished. Iron parts are galvanized. Reflector is Benjamin green outside, white inside

No.	Size of lamp, watts	Size reflector, in.	Std pkg	Each
1215	50, 60	12	10	$3.80
1216	75	12	10	4.05
1217	100	15	10	4.85

FLAT CONE REFLECTOR FIXTURE

With bracket support



No. 996

Benjamin flat cone reflector socket 40-inch mast arm of ¾-inch iron pipe with ornamental scroll and wall fitting with porcelain wire openings. Two-piece, easy-to-wire socket with Benjamin lamp grip. Iron parts are galvanized. Reflector is Benjamin green porcelain enamel outside, white inside. For plain mast arm, less scroll, deduct $1.50 list

No.	Size of lamp, watts	Size reflector, in	Std pkg	Each
995	25, 40, 50, 60	14	10	$7.30
994	75	14	10	7.50
996	100, 150	16	10	7.80
997	200	18	10	8.60

Prices do not include wires or lamps.

OUTDOOR FIXTURES

BENJAMIN

FLAT CONE REFLECTOR FIXTURE

With gooseneck support

No. 5412

Has extra heavy separable fitting and two-piece, easy-to-wire porcelain socket with Benjamin lamp grip, porcelain enameled steel reflector and gooseneck bracket.

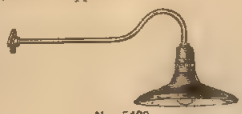
Gooseneck is of ½-inch iron pipe, overhanging 30 inches and includes wall fitting. For ¾x40-inch gooseneck, add 90 cents list.

Iron parts are galvanized. Reflector is Benjamin green outside, white inside.

No.	Size of lamp, watts	Size reflector, in.	Std pkg.	Each
5443	25, 40, 50, 60	14	10	$4.65
5410	75	14	10	4.85
5412	100, 150	16	10	5.15
5413	200	18	10	5.95

SHALLOW BOWL REFLECTOR FIXTURE

With gooseneck support



No. 5420

Benjamin Shallow Bowl Reflector of porcelain enameled steel, extra heavy separable fitting and socket with Benjamin lamp grip, galvanized iron pipe gooseneck tapped ⅛-inch, extending 30 inches from wall to center of lamp and wall or pole fitting. For ¾x40-inch gooseneck add 90 cents list.

Iron parts are galvanized. Reflector is Benjamin green outside, white inside.

No.	Size of lamp, watts	Size reflector, in.	Std. pkg.	Each
5449	25, 40, 60	12	10	$4.65
5419	75	12	10	4.85
5420	100, 150	14	10	5.15
5422	200	16	10	5.95
5521	300, 500	18	10	7.05

FLAT CONE REFLECTOR

With cross arm suspension

No. 802

Has Benjamin flat cone reflector socket, metal cross arm with porcelain knobs, separable connection and weather-proof outlet for line wires. For fixture with shock absorber, add 10 cents list

Two-piece, easy-to-wire socket with Benjamin lamp grip.

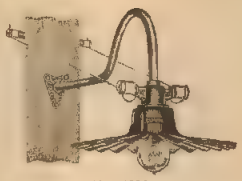
Iron parts are galvanized. Reflector—Benjamin green porcelain enamel outside, white inside.

No.	Size of lamp, watts	Size reflector, in.	Std pkg.	Each
802	25, 40, 50, 60	14	10	$4.60
801	75	14	10	4.80
803	100, 150	16	10	5.10
804	200	18	10	5.90

Prices do not include wires or lamps.

RADIAL WAVE REFLECTOR

With gooseneck support



No. 1206

Fixture has one-piece radial wave reflector of porcelain enameled steel, cast iron hood, tapped for ¾-inch pipe, easy-to-wire porcelain socket with Benjamin lamp grip together with 40x¾-inch gooseneck support and pole fitting. Fixture shown is open wiring type; concealed wiring type is without crossarm. For fixture less gooseneck and pole fitting, deduct $2.25 list.

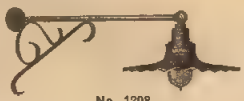
Iron parts are galvanized. Fixtures are black enamel.

No.	Size of lamp, watts	Wiring	Size reflector, in.	Std. pkg.	Each
1204	100, 150, 200	Concealed	18	5	$ 8.90
*1205	300, 500	Concealed	18	5	9.60
1206	100, 150, 200	Open	18	5	9.80
*1207	300, 500	Open	18	5	10.45

*Mogul.

RADIAL WAVE REFLECTOR

With ornamental bracket



No. 1208

One-piece radial wave reflector fixture as above with ornamental bracket and fitting in place of gooseneck. For fixtures less bracket, deduct $4 00 list.

Fixture shown is concealed wiring type; open wiring type, has crossarm hood.

Iron parts are galvanized. Fixtures are black enamel.

No.	Size of lamp, watts	Wiring	Size reflector, in.	Std. pkg.	Each
1208	100, 150, 200	Concealed	18	5	$10.65
*1209	300, 500	Concealed	18	5	11.35
1210	100, 150, 200	Open	18	5	11.55
*1211	300, 500	Open	18	5	12.20

*Mogul

FLAT CONE REFLECTOR

With stem and shock absorber

No. 6063

Has Benjamin shallow bowl reflector socket, 12-inch stem of ½-inch iron pipe and shock absorber. For other forms of shock absorber fittings see another page Two-piece easy-to-wire socket with Benjamin lamp grip. Iron parts are galvanized. Reflector is Benjamin green porcelain outside and white inside.

No.	Size of lamp, watts	Size reflector, in.	Std. pkg.	Each
6007	25, 40, 60	12	5	$4.25
6004	75	12	5	4.45
6061	100, 150	14	5	4.75
6063	200	16	5	5.55
6149	300, 500	18	5	6.65

Prices do not include wires or lamps.

STORE AND OFFICE FIXTURES

BENJAMIN

WITH DORIC DESIGN BOWL

With chain suspension

No. 1035

Large glass diffusing bowl, Doric design, converts lamp glare into a soft pleasing flood of light. Fixtures include glass bowl, brass or steel hood, two-piece easy-to-wire porcelain socket with Benjamin lamp grip, ⅛-inch brass loop drilled to take No. 14 asbestos wire, chain suspension, crowfoot and 5x4-inch canopy.

Steel hoods are baked enamel, black; brass hoods, brushed brass. Suspensions have a corresponding finish. 100-watt size fixture only has Ben-ox socket and holder, with brushed brass finish in place of hood illustrated. Standard package, 5.

No.	Finish of hood	Size of lamp, watts	Length fixture, in.	Size bowl, in.	Each
1026	Brushed brass	100	24¾	4x 9	$ 9.25
1035	Brushed brass	200	26½	6x12	13.45
1036	Baked enamel	200	26½	6x12	11.80
1037	Brushed brass	300, 500	27½	6x14	15.90
1038	Baked enamel	300, 500	27½	6x14	14.25

Less suspension

Same as above less suspension.

Hoods for 200 to 500-watt fixtures are tapped for ½-inch iron pipe; ¾-inch if specified. 100-watt size fixture has Ben-ox socket tapped for ⅛-inch iron pipe.

No.	Finish of hood	Size of lamp, watts	Length fixture, in.	Size bowl, in.	Each
1024	Brushed brass	100	10¾	4x 9	$ 6.95
1031	Brushed brass	200	12½	6x12	11.15
1032	Baked enamel	200	12½	6x12	9.50
1033	Brushed brass	300, 500	13½	6x14	13.80
1034	Baked enamel	300, 500	13½	6x14	11.95

WITH STALACTITE GLOBE

With chain suspension

Complete fixture includes Stalactite globe, type "S" holder, Benco porcelain lined socket, chain suspension, 5x4-inch canopy and crowfoot complete. Extra length chains can be had at $1.00 per foot, list. For socket with lamp grip, to prevent lamp from falling and breaking globe, add 10 cents to list. Finish is brushed brass. Standard package, 10.

No. 762-C

No.	Size of lamp, watts	Length fixture, in.	Each
761-C	25 to 75	23	$5.65
762-C	75, 100, 150	24	6.35
763-C	200	26	7.35

Less suspension

Same as above less suspension. Socket tapped ⅛-inch; ⅜-inch if specified.

No.	Size of lamp, watts	Length fixture, in.	Each
751-C	25 to 75	10	$3.35
752-C	75, 100, 150	11	4.05
753-C	200	12	5.05

Prices do not include wires or lamps.

WITH STALACTITE GLOBE

With chain suspension

No. 772-C

Fixture complete includes stalactite diffusing globe, hood, of brass or steel, easy-to-wire porcelain socket with Benjamin lamp grip, ⅛-inch brass loop drilled to take No. 14 asbestos wire, chain suspension, 5x4-inch canopy and crowfoot 75-200-watt fixtures have one-piece hood; 300-500 and 750-1000-watt fixtures have two-piece hood. Fixtures with steel hood are finished in black porcelain enamel; suspension in black baked enamel. Fixtures with brass hoods have brushed brass finish. Standard package, 10.

No.	Finish of hood	Size of lamp, watts	Length fixture, in.	Size globe, in.	Each
772-C	Brushed brass..	75 to 200	26	7x5	$7.30
773-C	Steel, porc. en..	75 to 200	26	7x5	6.10
778-C	Brushed brass..	300, 500	27	8x6	9.65
779-C	Steel, porc. en..	300, 500	27½	8x6	7.50

Less suspension

Same as above less suspension. Hood has fitting tapped for ½-inch pipe, ¾-inch if specified

No.	Finish of hood	Size of lamp, watts	Length fixture, in.	Size globe, in.	Each
709-C	Steel, porc. en.	75 to 200	12	7x5	$ 3.85
705-C	Brushed brass..	75 to 200	12	7x5	5.00
711-C	Steel, porc. en..	300, 500	13½	8x6	5.30
712-C	Brushed brass..	300, 500	13½	8x6	7.20
731-C	Steel, porc. en..	750, 1000	19	12x8	10.00
784-C	Brushed brass..	750, 1000	19	12x8	12.25

WITH REFLECTOR

Fixture complete includes stalactite diffusing globe, porcelain enameled steel reflector and hood, easy to-wire porcelain socket with Benjamin lamp grip, and fitting tapped ⅛-inch. Fitting tapped ¾-inch, if specified. 75-200-watt fixtures have one-piece hood; 300-500 and 750-1000-watt fixtures have two-piece hood. Finish is black; standard package is 10.

No. 788-C

No.	Finish of steel hood	Size of lamp, watts	Size In. Reflector	Size In. Globe	Each
782-C	Porcelain enam.	75 to 200	12	7x5	$ 5.75
788-C	Porcelain enam.	300, 500	15	8x6	8.10
748-C	Porcelain enam.	750, 1000	20	12x8	14.00

WITH BENCO SOCKET AND HOLDER

No. 756-C
Glassware not included

Fixture includes 5x4-inch canopy and crowfoot, standard 8-inch stem of ⅜-inch brass tubing. Benco porcelain lined socket and type "S" holder. Additional length stems can be had at 40 cents per foot list. Finish is brushed brass. Standard package is 10.

Glass or metal shades with 2¼ or 3¼-inch fitter may be used but are not furnished.

No.	Size of lamp, watts	Size fitter, in.	Length, in., less shade	Each
756-C	25 to 150	2¼	11	$2.30
758-C	200	3¼	12	2.60

Prices do not include wires or lamps.

ENGINEERS' WRENCHES
BILLINGS AND SPENCER

15° ANGLE—SINGLE HEAD

Drop forged from mild steel. All openings are milled slightly larger than listed to allow proper clearance. Black finish; edges are ground and heads brightened and then black lacquered.

Nos.	U.S.S. Bolt Sizes, Inches	Hex. Head Cap Screw Sizes, Inches	Milled Openings, Inches	Weight Each, Ozs.	Each
1003	¾	⅞	⅞	3	$0.36
1007	⅞	..	1⅛	6½	.52
1011	1	1⅛	1⅜	8½	.76
1014	1⅛	...	1⅝	13½	1.14
1016	1¼	1	1¾	22½	1.50

RATCHET SOCKET WRENCHES
BILLINGS AND SPENCER

Tools and sockets made from steel drop forgings; sets include ratchet socket wrench, extension screw driver and drop forged sockets; sets, No. 52 and 53 also include brace wrench and spark plug socket.

Per Set

No. **50**—For U. S. S. Bolts, ⅛ to ¾ Inches; also fits U. S. S. Hexagon Pap Screws ⅜, ⅞, ⅝, and 1 Inches; A. L. A. M. Standard Cap Screws and Bolts ⅞, 1⅛, 1⅜ and ⅞ Inches; S. A. E. Standard Cap Screws and Bolts ⅞, ⅞, ¾ and ⅞ Inches; the sockets have Hexagon Openings ⅞, 1/32, ½, 9/32, 11/32, 13/32, ⅞, 15/32, 1⅛ and 1¼ Inches; Weight Per Set, 4 Lbs. ... **$9.00**

No. **51**—For U. S. S. Hexagon Cap Screws ⅛ to 1 Inches; also fits U. S. S. Bolts ⅜, ¼, ½ and ¾ Inches; A. L. A. M. Bolts and Screws ¼, ⅝, ⅜, ½, ⅞, 11/16, ¾ and ⅞ Inches; S. A. E. Bolts and Screws ¼, 5/16, ⅜, 7/16, ½, 9/16, 11/16 and ⅞ Inches; the Sockets have Hexagon Openings ⅞, ⅜, 7/16, ½, 9/16, ⅝, ¾, 13/16, ⅞, 1, 1⅛, 1¼ Inches; Weight Per Set, 4½ Lbs. **$10.00**

No. **52** For A. L. A. M. and S. A. E. Bolts and Hexagon Cap Screws ¼ to ⅞ Inches; the Sockets have Hexagon Openings 3/16, ½, ⅞, 9/16, 11/16, ¾, ⅞, 15/16, 1, 1 1/16, 1⅛ and 1¼ Inches; Weight Per Set, 8 Lbs. **$12.00**

No. **53**—Universal Fitting S. A. E.—A. L. A. M. Bolts and Cap Screws ¼ to ⅞ Inches; U. S. S. Bolts ⅛ to ¾ Inches; U. S. S. Hexagon Cap Screws ⅛ to 1 Inch; the Sockets have Hexagon Openings, ⅞, 3/16, 7/32, 1/4, ½, 9/16, 5/8, 11/16, ¾, 13/16, ⅞, 15/16, 1, 1 1/16, 1⅛, and 1¼ Inches; Weight Per Set, 9 Lbs. **$15.00**

WRENCH DISPLAY BOARDS
BILLINGS AND SPENCER

No. 2

Designed to carry a stock of wrenches of the styles and sizes most in demand and to give the largest variety of openings with the fewest duplications; board No. 2 is arranged for the hardware dealer; these being carried thereon 6 each of 22 different wrenches milled with openings for U. S. S. Nuts, hexagon and square cap screws and screw sets, as follows—

ENGINEERS' WRENCHES—15° ANGLE, DOUBLE HEAD

Nos.	Sizes in Inches — U.S.S. Bolt Size	Hex. Head S.A.E. Screw Cap Screw Size	Head and Nut	Each — Black	Nickel
1100A	....	. ....	.	$0.32	$0.46
1104	....	⅜–¼	. .....	.42	.64
1107	⅜–¼	.. ..	.	.42	.64
1109	. . .	½–⅜	½–⅜	.50	.76
1111	... ...	⅜–⅝	⅜–⅝	.50	.76
1112	¼ - ⅜	.. ..	.. ..	.50	.76
1116	.. ..	⅝–7/16	⅝–7/16	.62	.92
1118	7/16–⅜	.. ..	.. ..	.62	.92
1125	.. ..	½–⅝	.. ..	.90	1.36
1128	7/16–½	.. ..	.. ..	.90	1.36
1133	...	5/8–¾	7/16 11/16	1.10	1.70
1136	7/16–5/8	. ...	. .....	1.36	2.16

TEXTILE WRENCHES—22½° ANGLE, DOUBLE HEAD

1555	7/16–¼	....	. ... ..	$0.50	$0.76
1564	7/16–⅜	. .	. .... .	.62	.92
1571	7/16–½	.. ..	....	1.06	1.56
1578	7/16–5/8	....	.... . .	1.44	2.10
1581	5/8–7/8	..... .	¾–1	1.92	2.80

LIGHT SERVICE "S" WRENCHES

2000	. .....	7/16–¼	.	$0.54	$0.76
2007	. ....	7/16–⅜	7/16–⅜	.68	.94
2017	.... ..	7/16–	....	.96	1.16
2025	.... ..	½–7/16	.....	1.10	1.44
2033	.. .	9/16–	7/16–5/8	1.40	1.80

Mounted on attractive display board 46¼ Inches by 10⅞ Inches.

	Per Board
No. 2—Wrenches, Black	$109.68
No. 2—Wrenches, Nickel . .	160.08

Weight, Per Board, 115 Lbs.

Black finish wrenches have the edges ground, heads brightened and are then black lacquered. Nickel finish wrenches are polished all over and nickel plated, the shanks having a dull nickel finish and the heads being buffed.

WRENCH DISPLAY BOARDS

BILLINGS AND SPENCER

NO. 11

Assortment of wrenches for use on valve tappets and general automotive repair work.

Nos. 1325 to 1330 are Thin Head Check Nut or Tappet Wrenches, 15° angle, double head.

Nos. 1557 to 1570 are automotive wrenches, 22½° angle, double head.

Nos. 1335 and 1336 are long thin head tappet wrenches, 15° angle, double head. For valve tappets, check nuts and adjusting screws; 6 and 7inches long.

36 wrenches mounted on attractive display board, 26x9⅛ inches. 3 wrenches of each number listed below. Weight per board, 14 lbs.

	Per Board
No. 11—Black Finish Wrenches	$12.33
No. 11—Nickel Finish Wrenches	18.18

Board and Wrenches Complete in a Box

Sizes in Inches

Nos.	Hex Head Cap Screw Size	S. A. E. Screw Head and Nut	Milled Openings	Each Black	Each Nickel
1325	7/16–1/4	–1/4	3/8–7/16	$0.50	$0.76
1326	1/4–7/16	1/4 –7/16	7/16–1/2	.50	.76
1327	7/16–3/8	7/16–3/8	1/2 –7/16	.50	.76
1328	3/8–7/16	3/8–7/16	7/16–9/16	.64	.96
1329	7/16–1/2	7/16–1/2	9/16–3/4	.64	.96
1330	1/2–9/16	1/2–7/16	3/4–7/8	.80	1.20
1557	3/4–7/16	1/4–7/16	7/16–1/2	.50	.76
1558	7/16–3/8	7/16–3/8	1/2–7/16	.62	.92
1562	3/8–1/2	3/8–7/16	7/16–9/16	.62	.46
1570	1/2–3/4	1/2–11/16	3/4– 1	1.06	.78
1335	*1/4–	7/16–3/8	1/2–7/16	.42	.58
1336	* –3/4	7/16–	5/8–11/16	.50	.70

*U. S. Standard Nut Sizes.

NO. 10

An attractive display board 26 inches by 9⅛ inches containing 3 each of 12 different wrenches milled with openings for U. S. S. nuts, hexagon and square cap screws and screw sets, as tabulated below.

	Per Assortment
No. 10—Black Finish Wrenches	$3.94
No. 10—Nickel Finish Wrenches	34.62

Weight complete, 20 lbs.

Engineers Wrenches—15° Angle, Double Head

Sizes in Inches

Nos.	U. S. S. Bolt Size	Hex Head S. A. E. Cap Screw Screw Head Size	Nut	Each Black	Each Nickel
1107	7/16–1/4	–7/16	–7/16	$0.42	$0.64
1109	–1/4	1/4–7/16	1/4–7/16	.50	.76
1111	1/4–	7/16–3/8	7/16–3/8	.50	.76
1112	1/4–5/16	7/16–	7/16–	.50	.76
1116		1/4–7/16	3/8–7/16	.62	.92
1118	7/16–3/8			.62	.92
1123	3/8–7/16			.74	1.12
1126	–1/2	1/4–5/16	1/4–7/16	.90	1.36

Right Service "S" Wrenches

2000		7/16–3/4	–3/4	$0.54	$0.76
2007	1/4–	7/16–3/8	7/16–3/8	.68	.94
2017	–3/8	7/16–	7/16–	.86	1.16
2025		1/2–7/8	1/4–	1.10	1.44

Black finish wrenches have edges ground, heads brightened and are then black lacquered.

Nickel finish wrenches are polished all over and nickel plated, the shanks being dull nickel finish and the heads brightened.

WRENCH SETS

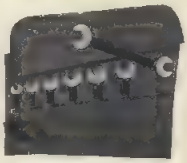
BILLINGS AND SPENCER

NO. 3 SET

A set of five light service wrenches carefully selected because of utility, capacity and range for light mill, service station and automobile reconstruction work. Furnished brown canvas tool roll or in a cardboard box.

Nos.	Size Screw S. A. E. Head and Nut	Milled Openings, Inches	Length, Inches	Each Black	Each Nickel
2001	–7/16	3/8–1/2	6¼	$0.54	$0.76
2009	5/16 7/16	1/2–5/8	7⅛	.68	.94
2018	7/16 1/2	5/8–3/4	8¼	.86	1.16
2026	1/2–7/16	3/4 7/8	9¼	1.10	1.44
2035	7/16–1/2	7/8–1	10⅜	1.40	1.80
No. 3 –Weight per Set, 3 pounds				$4.58	$6.10
Add for Canvas Tool Roll					.90
2000	–1/4	3/8 1/2	6¼	$0.54	$0.76
2007	7/16 3/8	1/2 5/8	7⅛	.68	.94
2017	7/16–	5/8–11/16	8¼	.86	1.16
2025	1/2–	3/4–13/16	9¼	1.10	1.44
2033	7/16–5/8	7/8 1/8	10⅜	1.40	1.80
No. 4—Weight per Set, 3 Pounds				$4.58	$6.10
Add for Canvas Tool Roll					.90

NO. 5 SET



Set consists of seven 15-degree angle, double-head engineers' wrenches selected to meet the requirements of mills, machine shops, service stations and printing plants. Furnished in black or nickel finish.

Nos.	For Hex Head Cap Screws and U. S. S. Nuts	Milled Openings, Inches	Length Inches	Each Black	Each Nickel
1109	1/4	7/16– 1/2	5	$0.50	$0.76
1112	5/16	1/2–11/16	5	.50	.76
1118X	3/8	7/16– 11/16	6	.62	.92
1120X	7/16	5/8– 13/16	6¾	.74	1.12
1126	1/2	3/4– 7/8	8	.90	1.36
1134	5/8	7/8– 1	10	1.36	2.16
1139	3/4	1 –1¼	11½	1.92	2.80
No. 5—Weight per Set, 6½ Pounds				$6.54	$9.88
Add for Canvas Tool Roll					1.40

NO. 8 SET

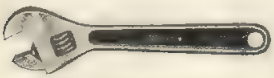
Set consists of 15-degree angle, double-head engineers' wrenches, fitting seven of the most used sizes of S. A. E. bolts and nuts. Black and nickel finish in cardboard boxes and canvas tool rolls.

Nos.	Size Screw S. A. E. Head and Nut	Milled Openings, Inches	Length, Inches	Each Black	Each Nickel
1105	–7/16	3/8– 1/2	4½	$0.42	$0.64
1118X	3/8–	7/16– 11/16	6	.62	.92
1126	1/2–3/8	3/4– 7/8	8	.90	1.36
1132X	5/8–11/16	15/16–1	9	1.10	1.70
1140X	–7/8	1 1/16–1¼	11½	1.92	2.80
No. 8—Weight per Set, 4 Pounds				$4.96	$7.42
Add for Canvas Tool Roll					.90

ADJUSTABLE WRENCHES

No. 48-S — Constructed of the best of material; especially useful in corners and confined places; the operating nut is steel and the sliding jaw a steel drop forging.

Lenth, Inches	Opens, Inches	Weight, per Dozen, Lbs.	Per Dozen
6	¾	5½	$8.00
8	1	12	10.00
10	1⅜	22	12.00
12	1⅝	33	18.00



ARROW—22½° ANGLE HEAD

Made from a special analysis of steel, drop forged, carefully machined and hardened by a scientific heat treatment process; polished jaws; steel knurled adjusting screw.

Length, Inches	Capacity, Inches	Weight, per Dozen, Lbs.	Per Dozen
4	½	1¾	$7.80
6	¾	4	7.80
8	1⅛	8	9.60
10	1⅛	15½	12.00

CRESCENT—SINGLE END

Drop forged from the best carbon steel and specially heat treated to insure toughness, as well as hardness. Parts fit perfectly and the adjusting screw always operates easily and smoothly. Spring washer retains the adjustment until intentionally changed. The design is carefully worked out in every detail. The braces to the jaws are so constructed as to secure the greatest possible strength and form an opening to fit a hexagon nut; the increased width of the handle towards the end is designed to fit the hand more comfortably, a hole is provided for hanging. Web is black oil finished, edges and head polished.

Nos.	Size, Inches	Capacity, Inches	Weight Per Dozen, Lbs.	Per Dozen
A14	4	½	1½	$7.80
A16	6	¾	3¾	7.80
A18	8	1⅛	7½	9.60
A110	10	1⅛	14	12.00
A112	12	1⅜	24	18.00
A115	15	1½	52	27.00
A118	18	2⅛	84	39.00

CRESCENT—DOUBLE END

Each head is turned so as to fit the hand nicely. Especially designed for those with whom weight and space is important.

Nos.	Size, Inches	Capacity, Inches	Weight Per Dozen, Lbs.	Per Dozen
B146	4- 6	½- ¾	4¾	$13.20
B168	6- 8	¾- 1⅛	8½	15.00
B1810	8-10	1⅛-1⅛	14¾	18.00
B11012	10-12	1⅛-1⅜	28	24.00

ADJUSTABLE WRENCH DISPLAYS

CRESCENT

DEALERS

On display board of quartered oak; natural finish; transfer mounted on each board, showing wrenches in actual size and color, lettering in gold; hooks on board allow assortment to be carried on and sold direct from board.

Assortment consists of the following single and double end wrenches individually listed on this page. Single end wrenches, 6 each, 4 and 10 inch; 12 each, 6 and 8 inch, 3, 12 inch and 1 each of 15 and 18 inch sizes. Double end wrenches, 6, 6-8 inch; 3, 8-10 inch.

Per Assortment

No. DB5—Size of Display Board, 25x25 Inches; Weight per Assortment, 70 Lbs. $49.30

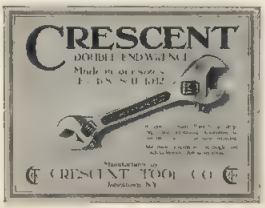
One Assortment in a Wood Box

SINGLE END

Consists of six 4-inch single end adjustable wrenches mounted on an attractively designed counter display easel. Size of board, 8½x11½ inches.

Per Assortment

No. DB3—Weight per Assortment, 2 Lbs. $3.90



DOUBLE END

Assortment consists of twelve 6-8-inch wrenches, with attractive display card with lock easel back for counter display purposes.

Per Assortment

No. DB6—Weight, 8½ Lbs. . $15.00

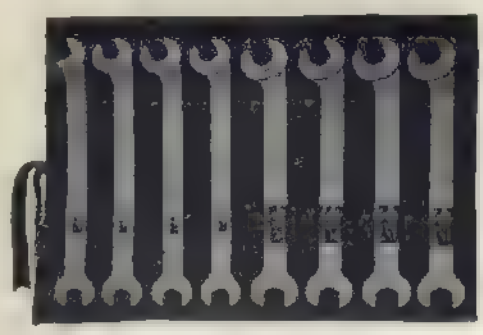
BONNEY CHROME VANADIUM WRENCHES

BONNEY WRENCH SET

No. 25 Bonney Wrench Set. Is designed for either the garage mechanic, general machinist or car owner. Contains six wrenches, one each of the following: Nos. 1723, 1025, 1027C, 1028S, 1731A, 1033C. These six wrenches with no duplicate openings fit the following: U. S. Standard Nuts ¼, 5/16, 3/8, 7/16, ½; S. A. E. Nuts ¼, 5/16, 3/8, 7/16, ½, 9/16, 5/8, 11/16; Hex. Cap Screws 5/16, ¼, 5/16, 3/8, 7/16, ½, 5/8, 3/4

No. 25 Wrench Set in card board box .per set [illegible]
Leatherette Cloth Lined Roll for above...extra, each **1 00**

BONNEY WRENCH SET



No. 412 Bonney Wrench Set. Consists of two (2) each Nos. 402, 403, 404 and 405 Valve Tappet Wrenches. Will take care of the adjustment of Valve Tappets on the following cars, also on others not listed:

Passenger Cars Apperson, Auburn, Cadillac (61), Chalmers, Chandler, Cleveland, Cole, Dort, Durant (4), Earl, Essex, Hudson, Jordan (B, C, E), Gardner, Grant, King, Liberty, Marmon, Maxwell, Mercer, Mitchell, Nash, National, Oakland, Oldsmobile, Packard (Twin Six), Premier, Reo, Saxon, Star, Westcott (9-N), Winton.

Trucks—Commerce, Defiance, Fulton, Garford (77-B), International, Maccar, Packard, Republic, Transport (N. C2), U. S., Vim, White.

No. 412 Wrench Set in card board box ..per set **$12 60**
Leatherette Cloth Lined Roll for above extra, each **1 00**

BONNEY WRENCH ASSORTMENT

No. 618 Bonney Wrench Assortment. Consists of six each of the following numbers: 1723, 1023, 1723A, 1725, 1726B, 1025, 1727, 1027, 1027C, 1028S, 1729, 1029, 1031, 1731, 1731A, 1033, 1733, 1033C. All wrenches are drop-forged from Chrome Vanadium Steel, properly heat treated and guaranteed. A mahogany finished board with hooks, number plates, etc., is furnished free. The board is 31½ inches long by 16½ inches wide and the complete assortment, packed for shipment, weighs 83 pounds.

This assortment contains six each of eighteen of the most popular and best selling sizes of Chrome Vanadium Engineers' Wrenches. The wrenches are drop-forged from Chrome Vanadium steel and are lighter, better balanced and more serviceable in confined places and have greater strength than Carbon Steel Wrenches of the same openings. All of these wrenches are finished in nickel with buffed heads. Complete information as to sizes of openings of individual wrenches, also bolt and screw sizes for U. S. Standard Hex. Cap and S. A. E. nuts will be found on the page which describes the Bonney Chrome Vanadium Engineers' Wrenches.

No. 618 Wrench Assortment.....complete **$120 30**

BONNEY CHROME VANADIUM WRENCHES

No. 311

No. 308 and No. 608

No. 614

No 311 Bonney Wrench Assortment. Contains three each of the following numbers: 1723, 1023, 1723A, 1725, 1723B, 1025, 1727, 1027, 1027C, 1029, 1731A. A mahogany finished board with hooks, number plates, etc., is furnished free with the assortment. The board is 25¾x7½ inches. Weight, 10 pounds.

No. 311 Bonney Wrench Assortment.....complete **$29 55**

No. 308 Bonney Wrench Assortment. Contains three each of the following numbers: 402, 402A, 403, 403A, 404, 405, 406, 407. With each assortment a mahogany finished board with hooks, number plates, etc., is furnished free. The board is 25¾x7½ inches. Weight, 8 pounds.

No. 308 Bonney Wrench Assortment.....complete **$39 00**

No. 608 Bonney Wrench Assortment. Contains six each of the same numbers as contained in No. 308. Otherwise the same as No. 308. Weight, 15 pounds.

No. 608 Bonney Wrench Assortment.....complete **$78 00**

No. 614 Bonney Wrench Assortment. Contains six each of the following numbers: 401, 401A, 402, 402A, 403, 403A, 404, 405, 406, 406A, 407, 407A, 408, 408A, 409. With each assortment is furnished a mahogany finished board with hooks, number plates, etc. The board is 31½x16½ inches. Weight, 52 pounds.

No. 614 Bonney Wrench Assortment.....complete **$145 20**

BONNEY CHROME VANADIUM WRENCHES

BONNEY ENGINEERS' WRENCHES

15° Angle of Opening

Bonney "CV" Chrome Vanadium Engineers' Wrenches are thinner, longer and stronger than Carbon Steel Wrenches of the same opening. The use of this alloy steel allows refinement of design both in shape and thickness of head. The thin pear shaped head made possible by the use of alloy steel makes this line of wrenches lighter, better balanced, and more serviceable in confined places, with unbreakable strength. Finished in nickel with buffed heads. Rigidly inspected, tested and guaranteed

No	U.S.S. Bolt Size, Inches	Hex. Head Cap Screw, Inches	S. A. E. Standard Screw and Nut Inches	Openings Mixed Inches	Extreme Length, Inches	Nickel Finished, Each
1722	1/4 x 1/4	1/4 x 1/4	1/4 x 1/4	5/16 x 5/16	4 1/2	$0 65
1022	1/4 x 1/4	1/4 x 1/4	1/4 x 1/4	5/16 x 1/2	4 1/2	65
1723	3/16 x 1/4	1/4 x 1/4	1/4 x 5/16	1/2 x 5/16	4 1/2	65
1023	3/16 x 1/4	1/4 x 1/4	1/4 x 1/2	3/8 x 1/2	4 1/2	65
1723A		3/16 x 1/4	1/4 x 5/16	1/2 x 1/2	4 1/2	65
1724		3/16 x 1/4	1/4 x 1/4	7/16 x 9/16	5 1/2	80
1024	5/16 x 5/16			15/16 x 15/32	5 1/2	80
1725	1/4 x 1/4	1/4 x 5/16	1/4 x 5/16	7/16 x 1/2	5 1/2	80
1725A	1/4 x 1/4	1/4 x 1/4	1/4 x 1/4	1/2 x 5/16	5 1/2	80
1725B	1/4 x 1/4	5/16 x 1/4	5/16 x 1/4	1/2 x 5/16	5 1/2	80
1025	1/4 x 5/16	5/16 x 5/16	5/16 x 5/16	1/2 x 1/2	5 1/2	80
1726	1/4 x 1/4	5/16 x 5/16	5/16 x 5/16	1/2 x 5/8	6 1/4	95
1026	1/4 x 1/4	5/16 x 5/16	5/16 x 5/16	9/16 x 5/8	6 1/2	95
1727	3/8 x 7/16	3/8 x 7/16	3/8 x 3/8	5/8 x 5/8	6 1/2	95
1027	3/8 x 3/8	3/8 x 3/8	3/8 x 3/8	11/16 x 5/8	6 1/2	95
1027C	3/8 x 3/8	3/8 x 3/8	3/8 x 3/8	9/16 x 11/16	6 1/2	95
1028	5/16 x 7/16			9/16 x 5/8	7 1/4	1 20
1728		5/16 x 1/2	5/16 x 1/2	9/16 x 3/4	7 1/2	1 20
1028S	7/16	5/16	5/16 x 1/2	5/8 x 3/4	7 1/2	1 20
1729		5/16 x 1/2	5/16 x 1/2	5/8 x 3/4	7 1/2	1 20
1029	3/8 x 7/16	3/8 x 3/8	3/8 x 3/8	11/16 x 3/4	7 1/2	1 20
1730	7/16 x 7/16	7/16 x 7/16	7/16 x 7/16	3/4 x 13/16	8 1/2	1 45
1030	7/16 x 7/16	7/16 x 7/16	7/16 x 7/16	15/16 x 3/4	8 1/2	1 45
1731	1/2 x 9/16	1/2 x 1/2	1/2 x 1/2	7/8 x 15/16	8 1/2	1 45
1731A	1/2 x 1/2	1/2 x 1/2	1/2 x 9/16	15/16 x 7/8	8 1/2	1 45
1031	7/16 x 1/2	7/16 x 7/16	7/16 x 7/16	15/16 x 7/8	8 1/2	1 45
1731B	1/2 x 1/2	1/2 x 1/2	1/2 x 1/2	15/16 x 7/8	8 1/2	1 45
1732	1/2 x 1/4	1/2 x 11/16	3/8 x 1/2	1 1/16 x 1	9 1/2	1 80
1032	1/2 x 1/2	1/2 x 1/2	1/2 x 1/2	2 1/16 x 1 1/2	9 1/2	1 80
1732A	9/16 x 3/4	1/2 x 1/2	1/2 x 1/2	1 1/16 x 1	9 1/2	1 80
1033A	1/2 x 1/2	1/2 x 1/2	9/16 x 5/8	1 1/16 x 1 1/16	9 1/2	1 80
1033	1/2 x 9/16	5/8 x 5/8	9/16 x 5/8	7/8 x 1 3/32	9 1/2	1 80
1733	1/2 x 1/2	5/8 x 3/4	5/8 x 5/8	7/8 x 1	9 1/2	1 80
1033C	1/2 x 1/2	1/2 x 1/2	5/8 x 5/8	1 x 1	9 1/2	1 80
1034	1/2 x 1/2	5/8 x 5/8	1/2 x 1/2	1 x 1 1/16	10 1/2	2 15
1734	1/2 x 1/2	5/8 x 5/8	5/8 x 5/8	1 1/16 x 1 1/16	10 1/2	2 15
1034A	1/2 x 5/8	1/2 x 1/2	1/2 x 3/4	1 1/16 x 1 1/16	10 1/2	2 15
1035	7/16 x 5/8	1/2 x 1/2	1/2 x 5/8	1 1/16 x 1 1/16	10 1/2	2 15
1735	1/2 x 1/2	1/2 x 1/2	11/16 x 1/2	1 1/16 x 1 1/8	10 1/2	2 15
1036	7/16 x 3/4	1/2 x 1/2	1/2 x 5/8	1 1/16 x 1 1/4	12	3 00
1736	1/2 x 3/4	3/4 x 1/2	11/16 x 1/2	1 1/16 x 1 1/4	12	3 00
1037	5/8 x 5/8	1/2 x 1/2	3/4 x 5/8	1 1/16 x 1 1/4	12	3 00
1737	1/2 x 1/2	7/8 x 1/2	1/2 x 5/8	1 1/16 x 1 1/4	12	3 00

BONNEY TAPPET WRENCHES

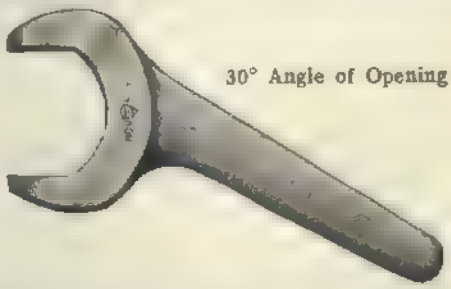
Bonney "CV" Chrome Vanadium Tappet Wrenches. These wrenches will fit a very large number of Tappet adjustments on automobiles and trucks. Each wrench has two openings of the same size, but with different angles, so as to allow the closest possible adjustment of nuts and screws.

The thinness of the wrenches requires an alloy steel of the highest grade with the best possible heat treatment. This has all been provided in the manufacture of these New Tappet tools

Stock No	Mixed Openings, In.	For S. A. E. Nuts Bolt Size, In.	For U. S. S. Nuts, Bolt Size, In.	Extreme Length, In.	Thickness of Head In.	Nickel Finished each
401	3/8			4	1/32	$1 50
401A	7/16	1/4		4	3/32	1 50
402	1/2	5/16	1/4	4	5/32	1 50
402A	17/32			4	7/32	1 50
403	9/16	3/8		5	9/32	1 50
403A	19/32		5/16	5	11/32	1 50
404	5/8	7/16		5	13/32	1 65
405	11/16		3/8	5	15/32	1 65
406	3/4	1/2		5	17/32	1 85
406A	25/32		7/16	5	19/32	1 85
407	13/16			5	21/32	1 85
407A	7/8		1/2	5	23/32	1 85
408	15/16	5/8		5	25/32	2 00
408A	31/32		9/16	5	27/32	2 00
409	1	11/16		5	29/32	2 00

BONNEY WATER PUMP PACKING NUT WRENCHES

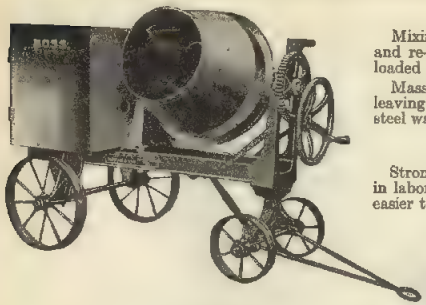
30° Angle of Opening



Bonney "CV" Chrome Vanadium Water Pump Packing Nut Wrenches. One of the hardest adjustments on a water cooled motor is the water pump packing nut. This nut is usually of brass and very thin. It should be tightened only with a wrench and never with a drive punch and hammer. Wrenches to do this work must be very thin yet short to fit into the narrow space in which the pump is located. These wrenches are designed especially for this work and their use for other classes of work or with added leverage is not recommended.

No	Mixed Openings In.	Length In.	Thickness of Head In.	Nickel Finished, Each
1230	15/16	7	1/4	$1 75
1232	1	7	1/4	1 75
1232A	1 1/32	7	1/4	1 75
1234	1 1/16	7	1/4	1 75
1236	1 1/8	7	1/4	1 75
1238	1 3/16	7	1/4	1 75
1240	1 1/4	7	1/4	1 75
1242	1 5/16	7 3/4	9/32	2 00
1244	1 3/8	7 3/4	5/16	2 00
1246	1 7/16	7 3/4	11/32	2 00
1248	1 1/2	7 3/4	3/8	2 00
1250	1 9/16	7 3/4	9/32	2 00
1252	1 5/8	7 3/4	9/32	2 00
1256	1 3/4	8 1/2	5/16	2 50
1260	1 7/8	8 1/2	5/16	2 50
1264	2	8 1/2	5/16	2 50
1272	2 1/4	8 1/2	5/16	2 50

The Boss Tilter, Batch-a-Minute Low Charging Mixer

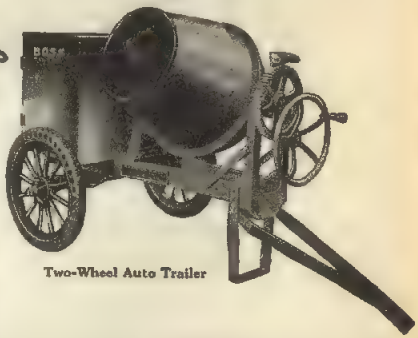


Mixing shovels (with self-cleaning passages) cut, turn and re-mix batch sixty times in a minute. Mixer can be loaded on either side. Mixing always in plain sight.

Massive hardened steel stub shaft forced into bowl bearings, leaving 8 to 10 inches wearing surface, with case hardened cut steel washer thrust bearings.

Mixes mortar as well as concrete.

Stronger and smoother mortar with a saving of 50 per cent in labor. In addition, masons lay more brick, as mortar is easier to spread. Proven on hundreds of jobs.



Two-Wheel Auto Trailer

Specifications

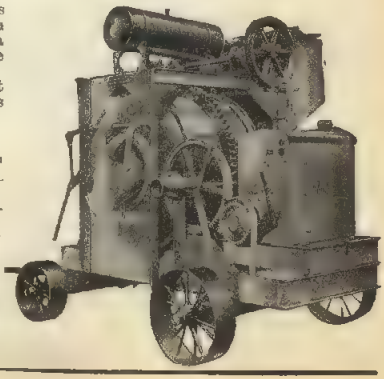
Size Number	3½S	5S	7S
Capacity—Unmixed, cu. ft.	5	7	10
Mixed, cu. ft.	3½	5	7
Engine Gasoline engine with magneto	2	3	7
Size drum—Width	27	31	40
Depth	28	30	37
Opening	19	21	23
Height for loading	40	46	51
Truck—(Stub hitch)—Size steel channel frame	4	4	6
Length over all	72	7'4"	9'
Width over all	45	4'4"	58"
Rear wheels	22x4	26x4	28x4
Front wheels	14x4	20x4	20x4
Weight—Net—With Witte engine—housing	1000	1640	2800
Weight—Net—Less engine and housing	655	1110	2200

The Two Wheel Auto Trailer shown above is built in 5 cubic foot capacity only, which is equal to an average house foundation per day. It is the same in all respects as the 3½ S mixer specified above except it is mounted on a two wheel trailer equipped with 30x3 inch solid rubber tires.

Boss Building Mixer, Heavy Duty Type

The patented high speed re-mixing action discharges faster—gives stronger and more uniform concrete. The drum is rotated by means of a steel roller pinion which provides a flexible, smooth-running transmission which has twice the life of gears or chain.

The pinion shaft and drum rollers are provided with Hyatt roller bearings, having self oiling rollers in dust proof cages which save 17% in power consumption.



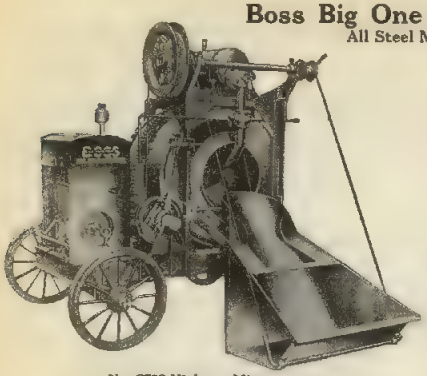
Horse Powers and Capacities

Capacity of mixers based on the wet rating and 1¼-inch crushed stone in aggregate

Size Number	5S	7S	10S	14S	21S	28S
Gallons water per cu ft mixed concrete						
Cu. ft. mixed concrete per batch	5	7	10	14	21	28
Cu. ft. dry materials per batch	7	10	15	21	30	44
Average cu. yds. mixed concrete per hour	7	11	15	21	30	38
Gasoline Engine, H. P.	4	6	8	10	15	20
Steam Engine, H. P.		5	6	9	12	18
Steam Boiler, H. P.		6	8	12	15	26
Electire Motor, H. P.	3	5	7½	10	15	20
Special Drum R. P. M.	20	19	18	16	14	13
Special Countershaft, R. P. M.	115	110	118	108	104	100

Boss Big One Bag Mixer

All Steel Model



No. C7S Highway Mixer

1,000 pounds excess weight is saved by building this fast discharging one bag mixer of steel instead of cast iron.

Full One-Bag Capacity

No Splitting Sacks

It has a capacity of easily 75 yards per day, yet is light enough to move on any job.

It is the most compact, strongly built and lightest weight mixer made, of equal capacity. It is guaranteed to operate as fast, efficiently and economically as any other mixer of its size regardless of price. The high quality of material and workmanship is fully guaranteed and any parts found defective within one year will be replaced free of charge.

Extra large Novo or Le Roi gasoline engine is furnished.

No. C73S, Special Highway Mixer

Has solid rubber tired wheels. It is built for long hauls and is furnished with a steel hitch suitable for attaching to Auto Truck.

No. C71S Low Charging Mixer

With Wheel Barrow Hopper, Measuring Water Tank and Hinged Loading Platform

Is a compact, sturdy, all-purpose outfit.

The hopper is extra wide, permitting the barrow to dump into mixer without spilling.

The loading platform is only knee high and is hinged to swing up when moving outfit.

It will also turn out better mixed mortar for forty masons.

No. C71S with Wheel Barrow Hopper Water Tank and Loading Platform

Specifications and Shipping Information

CAPACITY—(Based on crushed stone, 1¼ gals. water cu. ft.)
- Cu. Ft. Mixed Concrete per batch 7
- Cu. Ft. Dry Materials per batch 10

HORSE POWER—Novo Gasoline Engine, 6 H. P. or LeRoi 8 H. P
- Electric Motor 5
- Speed Countershaft 136
- SPEED Drum 19

	Cat. No.	Cu. Ft. Crated	Export Weight	Net Weight
Mixer on steel trucks—No hopper—engine—housing	C70S	226	2360	1960
Mixer on steel trucks 6 H. P. Novo Housing No hopper	C71S	243	2975	2675
Highway Special, as above but with rubber tires	C73S	243	3000	2660
Ford Skid Mixer—Extension Leader—6 H. P. Novo—6 ft. chute	C74 S	226	3160	2850
Wheelbarrow hopper	C7A	K.D.	40	40
Measuring batch hopper	C7B	12	140	110
Power Loader	C7C	27	535	435
Water Tank	C7D	6	90	90
Extra Hoist	C7E	9	160	120
Loading Platform	C7F	4	110	60

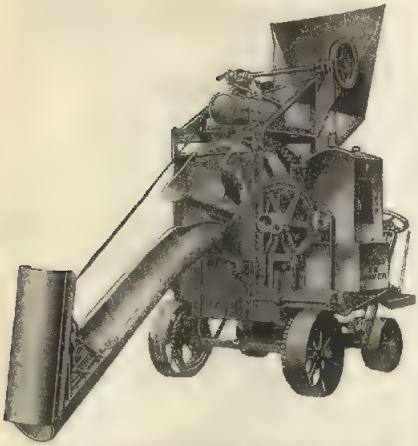
(LeRoi engine is 258 lbs. lighter than Novo).

Prices Quoted on Application

Boss Building and Paving Mixer

A Fast One-Bagger

For Streets, Alleys, Walks, Floors and Curbs



enough to dump into forms, saving wheeling.

Built for Heavy Work

Hyatt Roller Bearings in chilled drum rollers, also in countershaft boxes. Steel roller pinion drive. Crucible steel traction gears. Oversized gears with heavily gusseted structural work. 30 per cent surplus power of most reliable makes, backs our claim for heavy duty construction.

Real Portability

A team will move outfit anywhere if wanted without traction. With traction, it will go up any grade at rate of 1½ miles per hour. Traction gears made of steel and always in mesh. Strongest yet lightest paver on the market.

High Drum Type

High drum quick discharge type. Load is carried low and distributed within the wheels. Twelve foot sectional swinging chute dumps at three points to save moving. High Wide tires, light weight.

One Man Control

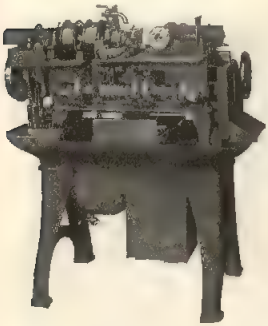
One man controls every operation from seat, including two way traction, hopper, discharge, water. The 8 H P. Radiator Cooled Novo or LeRoi engine is within easy reach of operator. Power Loader is automatic stop type. Measuring pressure water tank.

Capacities, Weights and Measurements

Symbol Number	7E
CAPACITY—(Based on 1½ inch crushed stone, one bag cement, 1-3-5 mixture).	
Wet or mixed material, cu. ft. per batch	7
Dry or unmixed material, cu. ft. per batch	10
HORSE POWER	
Gasoline engine (not furnished with steam).	
LeRoi or Novo Twin Cylinder Engine—Magneto—Radiator....H. P.	8
Electric Motor....H. P.	5

Hyatt Roller Bearings in rollers and countershaft. Chilled Carwheel Rollers—Steel Roller Pinion Drive. Crucible Steel Traction Gears, etc	Net Weight	Approximate Weight Crated	Approximate C Ft in Export Crate	Prices
7E—Combination Building and Paving Mixer on trucks—gasoline engine—housing—automatic power loader—measuring pressure water tank—3 ft. chute	5675	8015	355 Knocked down and included in same crate	On Application
Add for following Attachments:				
12-ft. two gate sectional chute	200			
Two-way traction steering arrangement	450			

Brown & Sharpe
Automatic Screw Machines



No. 2537-00—$\frac{1}{16}$" x 1¼" **No. 2538-0**—¼" x 2"
No. 2539-2—⅞" x 3"

Automatic Screw Machines are arranged to advance the stock and operate the tools entirely without the aid of an operator, being designed primarily for handling bar stock.

One operator can easily attend to four or more machines.

They are so constructed as to use tools for a great variety of operations, including those of plain and taper turning, forming to practically any shape, cutting off at an angle, centre and cross drilling, threading, counter-boring, recessing, knurling, milling slots or spots, generating spiral and worm gears, castellating nuts and various others. Many varieties of small pieces can be handled advantageously by the use of magazine feeding attachments.

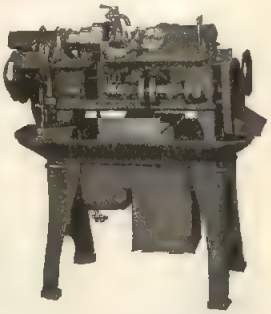
No. 19 Automatic Screw Machine differs from the regular design in having the spindle run in one direction only and the turret does not move horizontally but has sliding spindles for advancing and withdrawing the turret tools.

The machine is designed to run at unusually high speeds.

Full information and prices on application.

No. 2540-19—19¾" x 13¾"

Brown & Sharpe
Automatic Turret Forming Machines

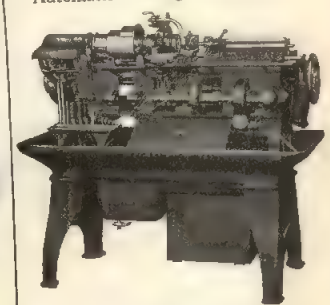


No. 2541-00—$\frac{1}{16}$" x 1¼" **No. 2542-0**—½" x 2"
No. 2543-2—¾" x 3"

Will perform all the various operations common to automatic screw machines aside from internal threading, such as straight, taper, and form turning, drilling to several diameters, reaming counterboring, recessing, knurling and others. External threads may be cut with an opening die.

Full information and prices on application.

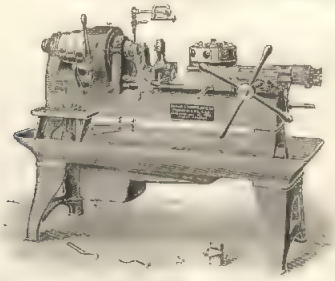
Brown & Sharpe
Automatic Cutting-off Machines



No. 2544-00—$\frac{1}{16}$" x 10" **No. 2545-0**—½" x 12"
No. 2546-2—¾" x 16"

Will perform plain or form turning, knurling, cutting-off and other operations with the two cross slide tools, like the automatic screw machines, also one tool operation, as drilling or straight and taper turning with the tool slide. External threads may be cut with an opening die. Thus they are adapted to the manufacture of many parts from bar stock, as chain studs, straight or taper pins, washers, and bushings.

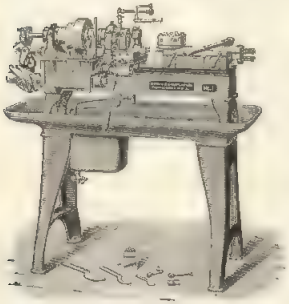
Brown & Sharpe Plain Screw Machines



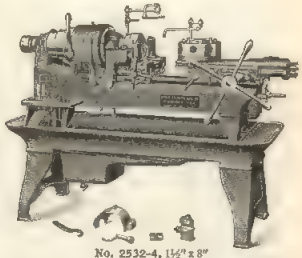
No. 2527-4 -1½" x 8" Hole through spindle, 1 ⅝". Length turned, 8".
No. 2528-6—2" x 10" Hole through spindle, 2 ⅛". Length turned, 10".

Since all work on Plain Screw Machines is chucked by hand, their particular field lies in finishing small castings and forgings, and irregular shaped pieces which may be held either in a chuck or collet, or attached to a face plate. They are also suitable for manufacturing screws, studs, and various small parts of machines and tools from bar stock previously cut in sections.

Brown & Sharpe Wire Feed Screw Machine



No. 2529-0, ¾" x 2¼"
No. 2530-1, ⅝" x 3"
No. 2531-2, ⅝" x 5"



No. 2532-4, 1½" x 8"
No. 2532-6, 2" x 10"

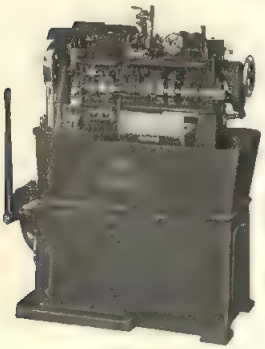
As the Wire Feed Screw Machine with Automatic Feed is equipped with suitable mechanism for automatically advancing stock through the spindle and gripping it in a chuck, it is well adapted to producing pieces from the bar. The automatic action of the chuck also gives rise to the extensive use of this machine for working on bar stock previously cut in sections, and for performing second operations on partly finished work, also for handling irregular pieces held in a special chuck or collet.

The Nos. 2532-4 and -6 machines with Roller Feed are similar to the Plain Screw Machines in all essential details, and have in addition an automatic chuck and roller feed for handling bars, adapting this type particularly to the medium and heavier classes of bar work.

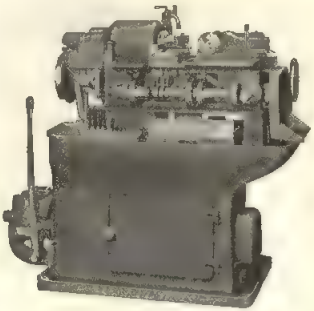
The facility with which they may be shifted to handle any size or kind of stock without the use of changeable parts makes them of special value in shops requiring small quantities of a great variety of machine parts made from the bar. The convenient arrangement of the several operating levers and adjustable parts also makes for efficiency on this class of work, by aiding the operator in tooling up the machine quickly and in obtaining maximum production on the various styles of work handled.

Brown & Sharpe Automatic Screw Machines

Constant Speed Drive



No. 2533-00G, ⅛" x 1¼".



No. 2534-0G, ⅛" x 2".

The adaptation of the Constant Speed Drive to the Automatic Screw Machine increases its efficiency and equips it more fully to meet the demands of modern manufacturing. As arranged for this type of drive, the machines differ from those driven from a countershaft in the method of applying power to the spindle, and making speed changes. The main drive is direct to the machine driving pulley which runs at a constant speed.

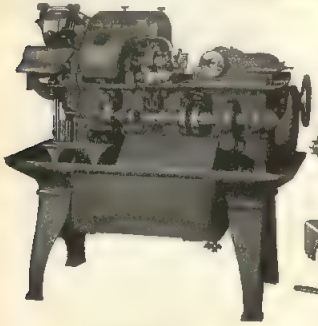
As the machine is constructed with a friction clutch, located in this driving pulley, it can be belted directly to the line shaft, a feature in line with modern methods. Overhead works are eliminated, doing away with the expense of a large amount of belting and the care of countershafts and hangers. An added feature arising from this fact is, that the machines can be placed to much better advantage on the floor, it being comparatively easy to arrange for a line shaft pulley or simple countershaft which takes up no more room than the machine itself.

All changes of spindle speeds, which are otherwise made by the overhead belts, are here obtained quickly and conveniently by a system of change gearing on the machine. As the driving belts are removed from over the spindle, the head of the machine can be entirely shielded by a hinged cover.

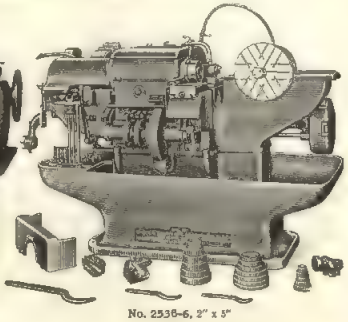
Attention is also called to the fact that the machines, being driven from a constant speed pulley, are well adapted to the application of an individual constant speed motor drive.

The Nos. 00G and 0G Automatic Screw Machines are designed with a cabinet type base, in which the entire spindle driving mechanism is located. This adds to the rigidity of the machine, in that the entire mechanism is contained within the frame, thereby reducing to a minimum any vibration caused by the spindle when running at the high speeds used on small work.

Full information and prices on application.



No. 2535-2G, ⅛" x 3".



No. 2536-6, 2" x 5"
No. 2836-4, 1½" x 4"

COMMUNITY PLATE

ADAM DESIGN

SPOONS
Six in Box

		Per Doz.
10602	Tea	$ 9.00
10603	Dessert	17.40
10605	Table	18.00
10604	[illegible]	[illegible]

FORKS
Six in Box

10607	Dinner	$18.00

(*Bright Finish*)

KNIFE (Plated Blades)
Six in Blue Velvet Lined Gift Box

		Per Doz.
10611	H. H. Hollow Handle Dinner	$27.00
10612	H. H. Hollow Handle Dessert	24.00
10615	Modeled Handle Dinner	18.00
[illegible]	[illegible]	[illegible]

KNIVES (Stainless Blades)
Six in Blue Velvet Lined Gift Box

		Per Doz.
10624	Hollow Handle Dinner	$29.48
10625	H. H. Dinner De Luxe	[illegible]
10626	Hollow Handle [illegible]	[illegible]
[illegible]	[illegible]	[illegible]

COMMUNITY PLATE

Adam Design

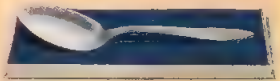
10680 Sugar Spoon . . . each $. 56

10695 Butter Knife . each $1 54

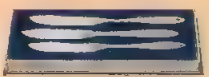
10 29 Butter Knife and Sugar Spoon set $3 12

10667 Cold Meat or Serving Fork each $2 82
For serving cold meat or fowl

1 668 Small Cold Meat or Sardine Fork each $2 18



10620 Berry or Serving Spoon . . . . . each $4.06
10647 Small Berry or Preserve Spoon . each 3.12



0697 Individual Butter Spreaders set $7.80
Used with individual bread and butter plate

Baby's Spoon (*In new, full-colored box*)
10619 Bent Handle . . . . . each $1 24
10624 Straight Handle each 1 24

10628 Baby's Fork (*In new, full colored box*) each $1.24

Baby's Set (*In new, full-colored box*)
10738 Bent Handle Spoon and Straight Fork set $2.48
10566 Straight Handle Spoon and Fork set 2 48

10715 Salad Dressing or Small Ladle each $2.5
For serving salad dressing, sauce, cream, pudding sauce or etc

10717 Serving or Gravy Ladle . . each $3.12
10721 Medium Soup Ladle . . . each 9.38

10641 Orange or Grapefruit Spoons . set $6.88
For orange, grapefruit or melons

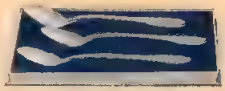
CORRECT SERVICE PIECES

COMMUNITY PLATE

Adam

10655 Ice Cream or Sundae Spoons *set* $6.88
10683 Jam or Conserve Spoon *each* 1.56

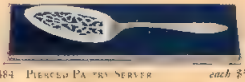
10646 Pickle or Olive Fork . . . . . *each* $1.88
For serving pickles, olives and relishes



10629 Iced Tea or Iced Drink Spoons . . *set* $7.50
For iced tea, iced coffee, chocolate, lemonade, etc.

10690 Pierced Round Server . . . . *each* $3.76
For serving bonbons, bon bons, pineapple, cucumbers sauerkraut or fruit salad, fish salad, etc.

10815 Cheese Server, H H. . . . . *each* $3.12



10484 Pierced Pastry Server *each* $5.00
For serving pie cake Frozen pudding, etc.

STAINLESS CARVING SETS
10728 2 Piece Hollow Handle . . . . *set* $8.68
10596 2-Piece Modeled Handle . . . . . *set* 7.34
For steak, etc.

Design

10688 Individual Salad or Pastry Forks *set* $5.76

10656 Olive or Salted Nut Spoon . . . . . *each* $2.18
For serving olives, pickles and salted nuts

10679 Oyster or Seafood Forks . . . . . *set* $6.24
For clams, lobster, shrimp cocktails, etc.

CHILD'S SET (*In new, full-colored box*)
10735 With Hollow Handle Knife *set* $5.00
10737 With Flat Handle Knife *set* 3.76

10710 Pie or Ice Cream Server, H H *each* $5.00

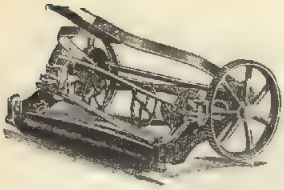
10791 Cake Serving Set *set* $8.44
10990 Cake Fork *each* 3.12
10989 Cake or Bread Knife *each* 3.12

STAINLESS CARVING SETS
10725 3 Piece Hollow Handle *set* $11.32
For large roasts, fowl, etc.

CORRECT SERVICE PIECES

Genuine Philadelphia Lawn Mowers

Plain Bearings

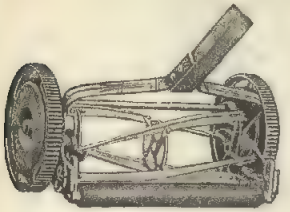


Model "E"

Four Vanadium Steel Blades. 10-in. Dia. Drive Wheels

An especially efficient and satisfactory mower for professional or private work. It has removable box caps for taking out cylinder without disturbing adjustments. A train of 3 gears on one side operates double ratchets on other side, and its particular balance enables it to cut the thickest and toughest grass

	15 in.	17 in.	19 in	21 in.
Prices.	$25.00	$28.00	$31.00	$34.00



"All Day"

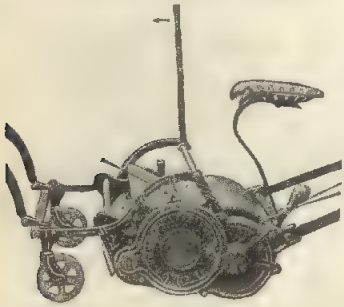
Four Vanadium Steel Blades 10-In. Dia. Wheels Geared Both Sides

A Strictly High Grade Mower

A medium priced machine fully efficient for high class work. Bearings ¾ inch diameter 1¾ and 1⅞ inches long.

Price 16-inch. blade $25.00 Price 18-inch blade. $26.00

Improved "Eagle" Horse Power Flexible Frame

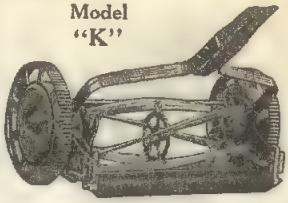


The Highest Grade and Only Flexible Frame Mower Made

Blades raised and all operations controlled from driver's seat. Can also be used as lawn roller only.

5 vanadium steel blades, ample bearings, high class workmanship. Prices with seat shaft and side draft attachment. 30-in. blade $150.00 35-in. blade $185.00 40-in. blade $210.00

F. O. B. Factory, Philadelphia, Pa.

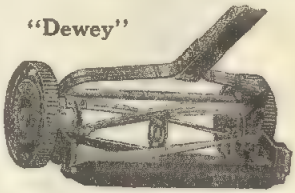


Model "K"

Five Vanadium Steel Blades. 10-In. Dia. Drive Wheels Geared Both Sides

For many years this mower has met all requirements of professional and private work. We recommend this mower knowing that it will give absolute satisfaction.

	16 in.	18 in	20 in
Prices.	$22.00	$24.00	$26.00



"Dewey"

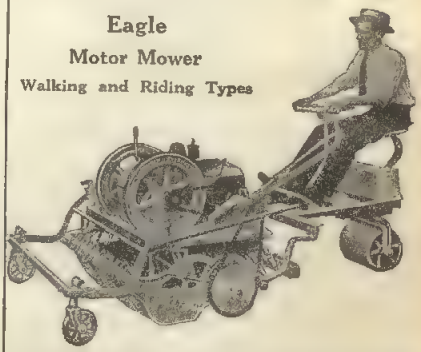
Four Vanadium Steel Blades. 8-In. Dia. Wheels Geared Both Sides

Made to meet the demand for a moderate price and moderately low wheel mower. This mower is strictly high grade in every detail.

Price 16-in blade . . . $20.00 18-inch blade. $21.00

Eagle Motor Mower

Walking and Riding Types



30-inch walking type. 40-inch walking and riding type. Material, workmanship and accuracy of construction same as in a high grade automobile one-piece cylinder Bosch magneto. 2½ horse power for 30-inch, 4 horse power for 40 inch. Full description sent on request.

	30 in. Walker	40 in. Rider
Prices.	Net $580.00	Net $1100.00

F. O. B. Factory, Philadelphia, Pa.

Reed Motor Lawn Mower and Roller

Gasoline Driven

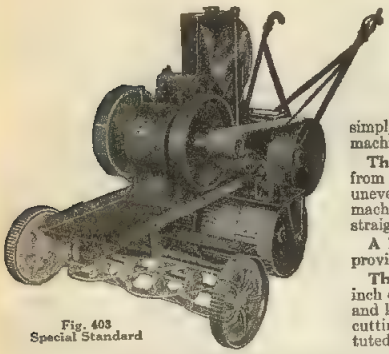


Fig. 403
Special Standard

For the Rapid and Efficient Mowing and Simultaneous Light Rolling of Lawns, Parks, Golf Courses, etc.

Simple construction, ease of operation and control, and full flexibility are obtained by exclusive and patented features.

The engine provides all motive power. The operator simply controls the power through a hand lever and guides the machine by swinging the handles.

The Cutting Unit, Fig. G-30, is flexibly connected to trail from the front end of the main frame and is free to conform to uneven lawn surfaces, and to all turning movements of the machine. It cuts when turning the same as when moving straight ahead.

A Differential Drive from the motor to the ground rollers provides abundant traction without injury to the lawn.

The Light Roller Pressure (about 20 to 30 pounds per lineal inch of roller) presses the roots of grass into place in the spring and keeps the lawn smooth without packing the ground. The cutting unit can be easily removed and a large caster substituted for rolling only, when desired.

The Motors are high grade four cycle type, easy to start, smooth running, with plenty of power. Speed is controlled with automatic throttling governors.

The Cutting Units are driven from the side wheels, as on hand mowers. The entire unit is independent and can be quickly removed for sharpening or replacement.

Special Standard Fig. 403

This is the popular size for the majority of lawns, and two or more of these machines are frequently used in preference to the Triplex (Fig. 330) on large lawns having many narrow spaces.

Engine 3 Horse Power, Radiator Cooled. Ground roller 12½ inches diameter, 26 inches wide. Cutting width, 30 inches; cutting capacity, 4 to 6 acres per day. Shipping weight, crated, 680 pounds.

Price, magneto ignition.....$365.00 Battery ignition.....$350.00

Regular Standard Fig. 401

This machine for moderate size or smaller lawns, which are reasonably level, is made in 22 and 30 inch sizes and equipped with 1½ to 1¾ horse power hopper cooled engines.

The 30 inch size has 12½x26 inch ground rollers. Mowing capacity of 4 to 5 acres per day. Shipping weight, crated, 650 pounds.

Price, Magneto Ignition.....$340.00
Price, Battery Ignition..... 325.00

The 22 inch size has 12½x21 inch ground rollers. Mowing capacity 2 to 3 acres per day. Shipping weight, crated, 600 pounds.

Price, Magneto Ignition.....$275.00
Price, Battery Ignition..... 260.00

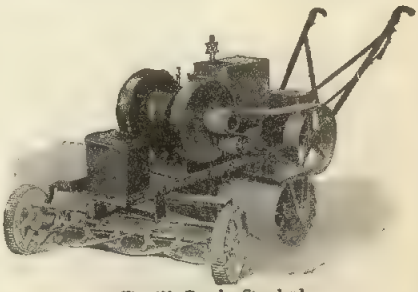
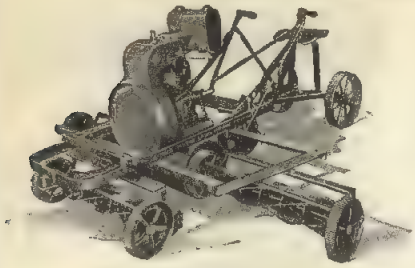


Fig. 401 Regular Standard

Triplex Fig. 330

Using three 30-inch cutting units triples the capacity without additional effort of the operator. The rear mowers are in line with the main traction roller and pivot on the same centre. One wheel on each side, mower rides in end of the traction roller from which it obtains by friction the necessary cutting power. This arrangement adds very little weight to the traction roller, and permits steering almost as easily as a single cutting unit. The side mowers can be quickly removed and the outfit converted into a single unit machine for narrow spaces and difficult work.

Reed Motor Lawn Mower and Roller (Cont'd.)



Triplex Fig. 330 with Riding Trailer

Riding trailer as shown in Fig. 330 will be furnished when ordered with either the Triplex or Special Standard.

Triplex cutting width 87 inches. Mowing capacity 15 acres per day. Shipping weight, crated, 1050 pounds.

Price, Magneto Ignition $690.00
Price, Battery Ignition 675.00
Riding Trailer, extra 25.00

Fig. 30. Crestlawn High Speed Cutting Units

These units are equipped with Timken tapered roller bearings for the reel shaft with automatic adjustment for wear. As the reel is always held positively in place it is only necessary to adjust the cutter bar to proper contact with the blades. Driving wheels revolve on ball bearings.

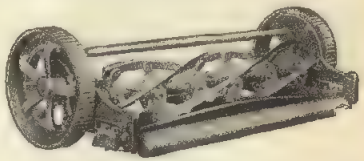


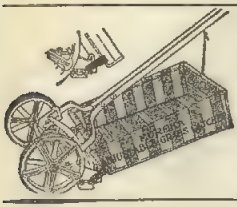
Fig. 30. Crestlawn Cutting Unit

The Fig. 30 cutting unit has a cutting width of 30 inches. Driving wheels 11 inches diameter. Revolving reel, 7 inches diameter. Five blades.

Price $60.00

The Fig. 22 (not shown) is the same as Fig. 30 except the cutting width is 22 inches. Drive wheel 10½ inches diameter; revolving reel 6 inches diameter. Five blades.

Price $45.00



Eureka Adjustable Grass Catcher

Made to meet the demand for a low-priced grass catcher.

Adjustable to all sizes and makes of low wheel mowers.

No 1. Fits 12 to 18 inches, inclusive. Weight per dozen, 17 pounds.
Price, per dozen $8.00

No 2. Fits 18 to 24 inches, inclusive. Weight per dozen, 18 pounds.
Price per dozen $9.00

Bieder Adjustable Grass Catcher

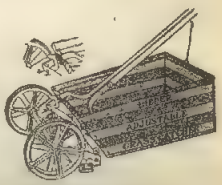
One of our best numbers.

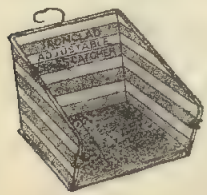
Made extra deep to prevent grass being thrown over sides and rear. Will fit all sizes and makes of mowers

Our unconditional guarantee is back of this grass catcher.

No. 7. Fits all low wheel mowers, 18 inches and smaller. Weight per dozen, 20 pounds.
Price per dozen $11.00

No. 13. Fits all high wheel mowers, 24 inches and smaller. Weight per dozen, 22 pounds
Price per dozen $15.50





Ironclad Adjustable Grass Catcher

Made of heavy striped canvas, with galvanized iron bottom. This combines lightness with durability, and is especially designed for the trade that wants the best irrespective of price.

No. 1. For all high and low wheel mowers, 18 inches and smaller. Weight per dozen, 13 pounds
Price per dozen $20.00

No. 2. For all high and low wheel mowers, 18 to 24 inches. Weight per dozen, 50 pounds.
Price per dozen $23.50

RADIO SETS AND PARTS

FREED-EISEMANN
NEUTRODYNE VACUUM TUBE RECEIVING SET

Operating Distance Up To 3000 Miles. Wave Length Range 200 to 575 Meters.

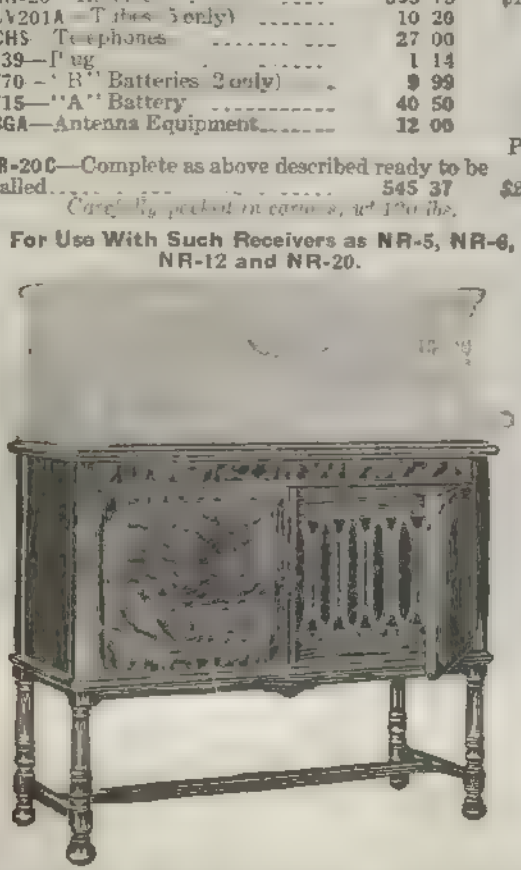
Same as No. NR-6 except encased in handsome genuine African mahogany highly polished. All metal parts gold plated; front panel hinged to be lowered enabling operator to use same as a writing desk. Can be used separately or with No. FE150 Console Table Loud Speaker.

The antenna furnished with this set includes everything necessary. 150 feet of stranded copper antenna wire, 25 feet No. 14SBRC lead in wire, 20 feet No. 18 708 battery switch, 2, ½x6 inch porcelain tubes, 3 No. INC porcelain knobs, 2 screw eyes, 1 ground clamp, 2 No. 500 insulators, 1 counter and 12 insulated staples.

Set includes the following:		Each
No. NR-20—Receiver	393 75	*$175 00*
No. UV201A—Tubes (5 only)	10 20	*4 00*
No. CHS—Telephones	27 00	*12 00*
No. 139—Plug	1 14	*50*
No. 770—"B" Batteries (2 only)	9 99	*4 75*
No. 715—"A" Battery	40 50	*18 00*
No. BGA—Antenna Equipment	12 00	*6 00*
		Per Set
No. NR-20C—Complete as above described ready to be installed	545 37	*$240 00*

Carefully packed in cartons; wt 150 lbs.

For Use With Such Receivers as NR-5, NR-6, NR-12 and NR-20.



Genuine African mahogany; highly polished. One side provides ample space for necessary batteries while the other side has built in Loud Speaker. All connections made from rear. When used with No. NR-20 Receiver it has the appearance of a single Radio Console Outfit.

		Each
No. FE-150—Console Table only	225 00	*$100 00*

Carefully boxed.

RADIO SETS AND PARTS

NEUTRODYNE VACUUM TUBE RECEIVING SET
FREED-EISEMANN

Operating Distance Up To 3000 Miles.

Wave Length Range 200 To 575 Meters.

Consists of two stages of tuned radio frequency, detector and two stages non-regenerating audio frequency amplification. Has Hazeltine neutrodyne circuit. Will tune out any local broadcasting and bring in distant stations without distortion. The setting of the three large tuning dials is always same for any particular broadcasting station. After a station has been brought in the positions of the dials should be noted. The same station can be brought in wherever it happens to be broadcasting by lighting tubes and turning dials to these readings. This set has such tremendous volume that it is necessary to use all five tubes only when receiving the most distant stations like those across the continent. Has no whistle but that of a regenerative set and no reflex circuit. Hand rubbed solid mahogany cabinet, polished black formica panel and bakelite dials both with beveled edges and engraven lettering.

The antenna furnished with this set includes everything; necessary: 150 feet of stranded copper antenna wire, 25 feet No. 14SBRC lead-in wire, 20 feet No. 18 rubber covered ground wire, 1 No. 200 lightning arrester, 1 No. 708 battery switch, 2, ½x6 inch porcelain tubes, 3 No. INC porcelain knobs, 2 screw eyes, 1 ground clamp, 2 No. 500 insulators, 1 counter and 12 insulated staples.

Set includes the following:		Each
No. NR-6—Receiver with battery switch		337 50
		$150 00
No. UV201A—Tubes (5 only)	10 20	*4 00*
No. CHS—Telephones	27 00	*12 00*
No. 139—Plug	1 14	*50*
No. 770—"B" Batteries (2 only)	9 99	*4 75*
No. 715—"A" Battery	40 50	*18 00*
No. BGA—Antenna Equipment	12 00	*6 00*
		Per Set
No. NR-6C—Complete as described, ready to be installed	439 12	*$215 00*

Carefully packed in cartons; wt per set 118 lbs.

COMPLETE SET OF PARTS FOR BUILDING NEUTRODYNE RADIO RECEIVERS.

Contains all the parts except cabinet for building a five tube Neutrodyne set. Consists of a panel drilled and engraved, special parts for the Neutrodyne circuit, all necessary condensers, rheostats, jacks, sockets and dials. Complete with wiring diagram and instructor.

Price does not include cabinet.

		Each
No. KD-50—Wt each 19 lbs	180 00	*$80 00*

One in carton.

RADIO SETS AND PARTS

NEUTRODYNE VACUUM TUBE RECEIVING SET
FREED-EISEMANN

Operating Distance Up To 2000 Miles, Wave Length Range 200 to 500 Meters.

Consists of one stage of high powered radio frequency, a detector and two stages of non-regenerative audio frequency amplification. Has Hazeltine neutrodyne circuit.

Very selective; easy to operate. Two large tuning dials to adjust.

The setting of these dials is always the same for any particular Broadcasting Station. After the station has been tuned in, the position of the dials should be noted and recorded. The same station can again be received by turning dials to correspond with former readings. No whistling noises.

Has as great a volumn as No. NR-5 and NR-6.

Hand rubbed solid mahogany cabinet, polished black formica panel and bakelite dials both with beveled edges and engraved lettering.

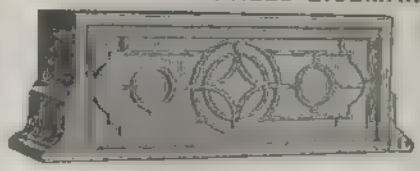
The antenna furnished with this set includes everything necessary: 150 feet of stranded copper antenna wire, 25 feet No. 14SBRC lead-in wire, 20 feet No. 18 rubber covered ground wire, 1 No. 200 lightning arrester, 1 No. 708 battery switch, 2, 1/16x6 inch porcelain tubes, 3 No. INC porcelain knobs, 2 screw eyes, 1 ground clamp, 2 No. 500 insulators, 1 counter and 12 insulated staples.

Set includes the following:

		Each
No. NR-12—Receiver	225 00	*$100 00*
No. UV201A—Tubes (4 only)	10 20	*4 0*
No. CHS—Telephones	27 00	*12 00*
No. 139—Plug	1 14	*.60*
No. 770—"B" Battery (2 only)	9 99	*4 75*
No. 715—"A" Battery	40 50	*18 00*
No. BGA—Antenna Equipment	12 00	*5 00*
		Per Set
No. NR-12-C—Complete as described ready to be installed		366 42
Carefully packed in cartons; wt 15 lbs		*$161 00*

RADIO SETS AND PARTS

LOUD SPEAKER
FREED-EISEMANN



Especially designed to be used with the following Receiving Sets, Nos. NR-5, NR-6, NR-12, and NR-20. Can also be used with other Vacuum Tube Receiving Sets. Operates equally well with weak and strong input [illegible] tment required.

Eliminates the use of the ordinary horn that so many people object to their appearance.

	Each
No. FE50—Genuine African mahogany; highly polished; silk backing	78 75
	$35 00

One in carton; wt each 22 lbs.

RADIO CABINET WITH LOUD SPEAKER UNIT AND HORN INSTALLED FOR N. R. 5. AND N. R. 6 RECEIVERS

Genuine mahogany veneered cabinet, brass finish pull knobs. Loud speaker and horn permanently installed, bell of horn is concealed behind covered grill at the front, door at left provides ample space for storage batteries.

	Each
No. FE5-C—Height 42 ins; width 33 ins; depth 18 ins	303 75
Crated.	*$135 00*

The big future of radio lies in the small town and rural field.

Of the one hundred and ten million population of these United States, over sixty million reside in towns of under five thousand population or on the farms. To these rural dwellers radio is the greatest invention of all time. It means an end to isolation, it means musical and educational advantages previously known only to the city dweller.

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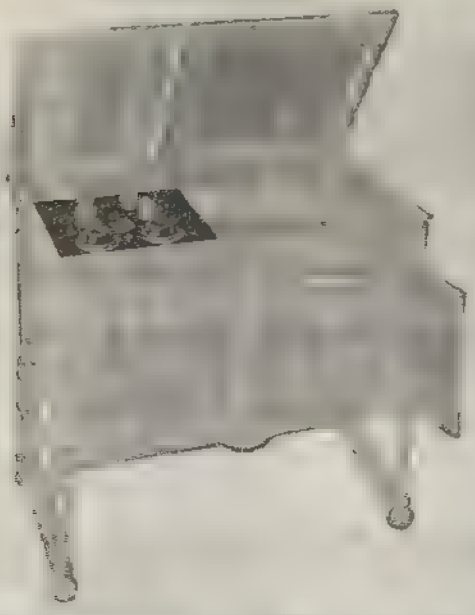
RADIO SETS AND PARTS

FREED-EISEMANN NEUTRODYNE RECEIVERS



Consists of two stages of audio frequency, one detector and one radio frequency amplification. Will tune out any local broadcasting and bring in distant stations without distoration. Polished black formica panel, bakelite dials with beveled edges and engraved lettering.

Designed especially for mounting in special console model Talking Machines wherein space is provided for the insertion of radio panels making available in one unit the best obtainable in phonograph and radio.

FIT VICTOR PHONOGRAPH MODEL 215

		Each
No. NR-215—Receiver	213 75	*$95 00*
No. UV201A Tubes (4 only)	10 20	*4 00*
No. LSU Phonograph unit	20 01	*10 00*
No. 139 - Plug	1 14	*50*
No. 770 "B" Batteries (2 only)	9 99	*4 75*
No 715 "A" Battery	40 50	*18 00*
No. BGA Antenna Equipment	12 00	*5 00*
		Per Set
No. NR-215C—Complete as described, ready to be installed	351 78	*$154 00*

FIT VICTOR PHONOGRAPH MODELS 400, 405 AND 410

		Each
No. NR-400—Receiver	213 75	*$95 00*
No. UV201A—Tubes (4 only)	10 20	*4 00*
No. LSU Phonograph unit	20 01	*10 00*
No. 139—Plug	1 14	*50*
No. 770 "B" Batteries (2 only)	9 99	*4 75*
No. 715—"A" Battery	40 50	*18 00*
No. BGA—Antenna Equipment	12 00	*5 00*
		Per Set
No. NR-400C—Complete as described, ready to be installed	351 78	*$154 00*

Carefully packed in cartons.

RADIO SETS AND PARTS

BLENHEIM MODEL

A Combination Emerson Phonograph And Howard Neutrodyne Radio Receiver.

Genuine mahogany veneered cabinet; all metal parts highly nickel plated.

The Phonograph is equipped with improved throw-back tone arm and heavy double spring motor; 12 inch velvet covered turntable, automatic stop; tone modifier, album filing system and genuine master amplifier horn.

The Receiver is of the 5 tube Howard Neutrodyne type. Operating distance up to 3000 miles. Wave length range 200 to 575 meters. Consists of two stages of tuned radio frequency, a detector and two stages of non-regenerative audio frequency amplification. Has Hazeltine Neutrodyne circuit. Local Broadcasting Stations can be tuned out and distant stations brought in without any distortion. The setting of the three large tuning dials is always the same for any particular Broadcasting Station. After a Station has been tuned in the position of the dials should be noticed. The same Station can be easily picked up at any other Broadcasting by turning dials to the same readings. It is large volume and is necessary to use five tubes only when distance Stations like those across continent are picked up. The only Neutrodyne Receiver on the market having a rheostat for each tube. this enables each tube to be lighted exactly to the point at which it gives best results. All batteries are incased in cabinet and only antenna and ground wires are visible.

The antenna furnished with this set includes everything necessary: 150 feet of stranded copper antenna wire, 25 feet No. 14SBRC lead-in-wire, 20 feet No. 18 rubber covered ground wire, 1 No. 270 lightning arrester, 1 No. 708 battery switch, 2, 7½x6 inch porcelain tubes, 3 No. 1NC porcelain knobs, 2 screw eyes, 1 ground clamp, 2 No. 500 insulators, 1 connector and 2 insulated staples.

Height 35 inches; width 36 inches; depth 21 inches.

		Each
No. EPHN—Emerson Phonoradio equipped with Neutrodyne Receivers	829 50	*$395 00*
No. UV201A—Tube (5 only)	9 90	*4 00*
No. 770—"B" Batteries (2 only)	9 99	*4 75*
No. 715—"A" Battery (1 only)	40 50	*18 00*
No. BGA—Antenna Equipment	12 00	*5 00*
		Per Set
No. EPHN-C—Complete as described, ready to be installed	951 48	*$447 50*

Boxed; wt each 245 lbs.

RADIO

SAN FRANCISCO

NEW YORK

SETS AND PARTS

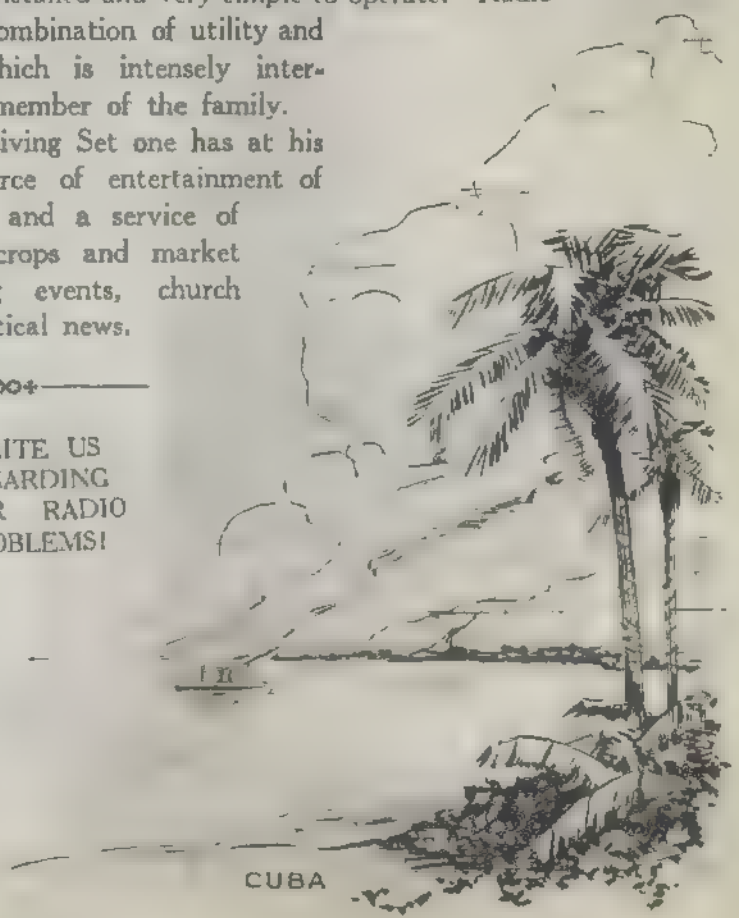
The Greatest Science of Modern Age! A Wonderful Entertainer and Educator!

Tap the Air and Listen to the News of the World! It's Easily Done!

RIGHT in your home you can now listen to New York, San Francisco, Cuba, or any of the many other broadcasting stations in the United States. Messages from ships at sea, too, are frequently heard under favorable weather conditions. All theory of Radio is past. There's nothing complicated to it. Radio sets are easily installed and very simple to operate. Radio is an appealing combination of utility and entertainment which is intensely interesting to every member of the family.

With a Receiving Set one has at his command a source of entertainment of infinite variety, and a service of news, weather, crops and market reports, sporting events, church services and political news.

WRITE US REGARDING YOUR RADIO PROBLEMS!



CUBA

"Marx" Mechanical Toys

"Every Piece is made Durable and Mechanically Perfect"

Climbing Monkey

Climbing Monkey—the largest of them all. Made of a heavy gauged metal, highly lithographed and in every way marked for its finished mechanism and all around superiority. It climbs up and down the string just like a live monkey. A very amusing novelty. 10 in. long, each in box.

No. 39N43. Per doz... 1.90

Puss-Puss

Playful Kitty. Runs around in real kitten-like manner. Realistically colored in black with decorative red ribbon around neck. Has bright colored eyes. Made of durable metal and has a good mechanical motor. Size 7⅝ inches long by 3¾ inches high. One in a box.

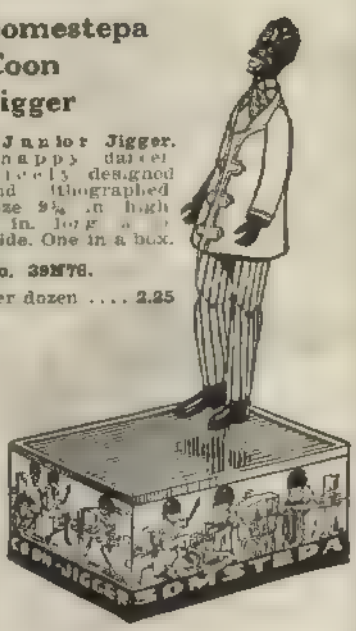
No. 39N84. Per dozen..... 3.00

Goblo Goose

Goblo Goose. Waddles and gobbles. Attired for banquet in bright red and blue colors. Durably constructed. Size 9 inches long, 4½ in. high. One in box.

No. 39N19. Per dozen..... 3.75

Somestepa Coon Jigger



Junior Jigger. Snappy dancer. Nicely designed and lithographed. Size 2⅝ in. high, 4 in. long and 2 in. wide. One in a box.

No. 39N76.

Per dozen 2.25

Krazy Car

Krazy Car. Improved with larger clown who drives at a great pace, darting hither and thither and with little regard for his car or himself. Size 7⅛ inches long, 5⅛ inches high, 2⅝ inches wide. Each in box.

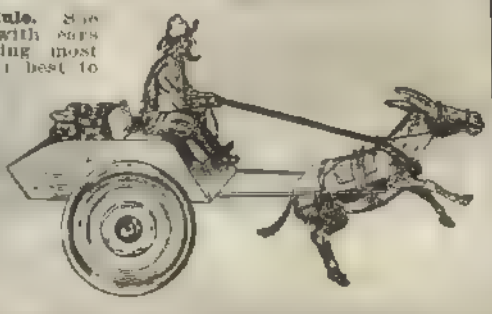
No. 39N24. Per dozen. [redacted]

Buffalo Bill

Buffalo Bill rides his bucking bronco which tries in vain to throw him by prancing on all fours and then on hind legs. No wheels or unreal construction. Size 6½ inches long, 6 inches high, 2⅝ inches wide. Each in box.

No. 39N76. Per dozen..... [redacted]

Hee-Haw Balky Mule



Hee-Haw Balky Mule. She just won't behave, with ears laid back and flapping most wickedly she does her best to tip over the farmer's cart. The farmer is a grouchy looking individual, who wants to get his cans of milk to the market. This new mule has more action to it than the old one. Size over all 9 inches long and 6 inches high. Each in box.

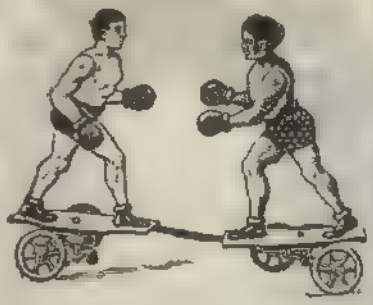
No 39N27.

Per doz 4.00

"Marx" Mechanical Toys

"Every Piece is made Durable and Mechanically Perfect"

Slugging Match



Zowie! What a slugging match! Two hard boiled boxers mix it in most realistic fashion. Made of metal, height over all 5½ inches. Length 6⅝ inches. Strong spring motion sets the special jointed arms in real to the entertainment. Packed in box.

No. 39N8. Per dozen 3.75

Prize Fighters

Prize Fighters. Rap and Tap in a friendly scrap. A vigorous bout without a knockout. Realistic ring with regular ropes. Durable 6½ inches high, 6¼ inches long, 5¾ inches wide. One in a box.

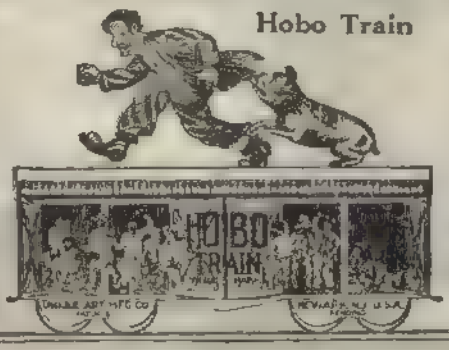
No. 39N11. Per dozen 4.25

Jazzo Jim Jiggers

Jazzbo Jim Jigger. Our old friend is accompanied by a tiny negro who fiddles away as Jazzbo jigs vigorously and in his usual good form. Size 11 inches high, 3¼ inches wide, 1⅝ inches long. Each in a box.

No. 39N33. Per dozen. . . . 4.25

Hobo Train



Hobo Train. It does enjoy the comforts of a box car, while their brother traveler is chased on top the car by a ferocious bulldog. Very amusing. Size 7½ inches long, 7 inches high. Each in a box.

No. 39N26.

Per dozen. . . . 4.25

Auto Races

Auto Races. Snappiest auto racing toy on the market. Circumference of runway 11¾ inches, 3½ inches high; cars 2⅜ inches long. Big 1.00 retailer. Each in a box.

No. 39N31. Per dozen 8.00

Spic and Span

Spic and Span. Spic takes care of the playing of the bass drum, cymbals and the trap drum (with his drumsticks) and Span dances a minstrel jig while playing the violin. Biggest value and most popular jigging toy on the market. Each in a box.

No. 39N23. Per dozen. . . . 7.50

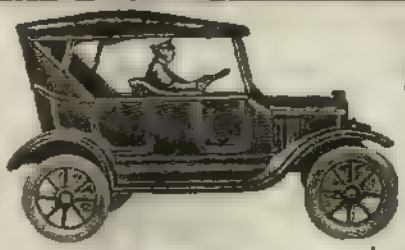
Ring-A-Ling Circus

Ring-A-Ling. A real circus act. Depicts ringmaster directing three animals and a clown, each performing differently at the crack of the whip. Ingenious, new popular seller. A good amusing toy. Size 8 inches long, 4 inches wide and 10 inches high. Each in box.

No. 39N29.

Per dozen . . 8.25

MECHANICAL FORDS



Ford Touring Car

Every detail complete. Made of metal. The top embossed to imitate leatherette grain. Radiator cap lights license, spare wheel. Strong spring clock-work mechanism. Size 6¼x3¾x3 inches wide. Each in box

No. 39N5.

Per dozen..... **3.75**

As faithful in design, detail and proportion as a photograph. Lights, radiator cap, license, etc. They sell like hot cakes.

Identically like a real **FORD SEDAN.** Every line, every mark, that makes the Ford known is brought out. Not a haphazard representation, but a miniature made to scale. Lights, radiator front and cap, extra spare wheel. Strong spring clock-work motor. Size 6¼ x3¾x3 inches wide. Each in box.

No. 39N3.

Per dozen **3.75**

Ford Coupe

Just like the famous **FORD COUPE**—the name is on the Radiator. Radiator cap, lincense wheels design and appearance identical. Has strong clock-work spring motor. Just wind up and it runs. Size 6¼x3¾x3 inches wide. Each in box.

No. 39N1. Per dozen..... **3.75**

Ford Roadster

The picture shows it—perfect in every detail. Radiator front with the name, radiator cap, wheels, fenders top embossed like leatherette, spare wheel and boot. But there is also a driver included (not shown). Strong spring mechanism. Size 6¼x3¾x3 inches wide. Each in box

No. 39N7. Per dozen.. ..... **3.75**

THREE DANDY MECHANICAL AUTOS

RACING CAR

A speedy car. Built close to the ground. Racer lines, disc wheels, brilliant red trimmed in black, black mudguards, yellow wheels, spare on rear. Driver. Front wheel adjustment permits car running forward or in a circle. Strong spring mechanism. Size 8x3½x3 inches wide. Each in box.

No. 39N75. Per dozen. **1.95**

YELLOW TAXI

Made of metal, lithographed in yellow and black. Two doors that really open and close. Chauffeur in front. Disc wheels. Size 5¾x3¾x3½ inches wide. One-half dozen in box

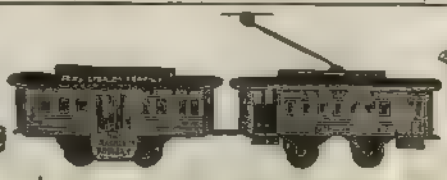
No. 39N99. Per dozen. **2.25**

Sedan Automobile. This is an imported toy and made by one of the foremost toy makers of Europe. Height 4 inches. Made of metal, handsomely painted in red and black. Long running clock spring. An exact copy of large Sedan car. Each in box

No. 39N14. Per dozen.... .. **2.00**

Monarch of all Automobiles. Complete with bumper, meter, disc wheels and attractive top. Finished in exceptionally bright colors. Best and most elaborate racing automobile. Biggest value in a toy automobile. 9 in long, 3⅜ in wide, 3¼ in high. Each in box.

No. 39N73. Per dozen **2.25**



STREET CAR AND TRAILER

A very large toy for the price. **Street car** with mechanism to run over the floor, pulling a trailer. No track necessary. Length over all 14½ inches. Front car has a **trolley and very strong clock-spring motor.** Lithographed a bright red and yellow. Packed each in box.

No. 39N17. Per dozen..... **3.50**

MECHANICAL AIRPLANE

Has the line of a real airplane. Brightly enameled yellow trimmed with red and blue. Propeller in front turns rapidly while plane is running over the floor. Strong clock work motor entirely enclosed. Will run forward or in a circle. Length 8½ inches and 7 inches wide. Each in box.

No. 39N40. Per dozen... . . **3.90**

STORE LADDERS

MILBRADT'S

Bent Ladder.

Is intended for shelving that is not very strong, as most of the weight rests on the floor. This ladder runs on a hardwood track fastened to shelving near the top to guide it and has attached at the bottom cushion tired wheels that run on the floor, but no track is used on the floor.

The track should be fastened to a shelf that is about 3 feet down from the top.

In ordering, observe the following instructions:

1st.—Give the exact height from floor to top of ledge.

2nd. Give the exact width or projection of base shelf.

3rd. Give the exact perpendicular height from the top of ledge to the top face of shelf to which track is to be fastened.

4th. Give entire length of each run of track and number of uprights for each run.

5th. Give dimensions of uprights, also distance of uprights from center to center.

6th.—State if uprights are straight faced or turned spindle.

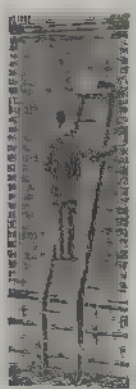
	Each
No. 2—Complete with fixtures; wt each 50 lbs	✦$66 00

Wood Track.

	Per Ft
No. 7—No brackets needed; complete with screws; wt per ft ½ lb	✦$0 99

Ladders and track crated.

BICYCLE



Bent Floor Track Ladders.

The track for these ladders is placed on the floor entirely independent of the base shelf, and for this reason this style is preferred by many buyers to any other, particularly where the base shelf is narrow. Otherwise this ladder is the same as the bent base shelf. The track for the floor is so small that there can be no objection to it whatever.

Both the oak and pine are finished in the natural wood colors.

In ordering, observe the same instructions as on No. 25 ladder shown on preceding page.

	Each
No. 29—Oak, japanned mountings	✦$66 00
No. 30—Oak, nickel plated mountings	✦72 75
No. 31—Yellow pine, japanned mountings	✦59 25
No. 32—Yellow pine, nickel plated mountings	✦66 00

Average wt, 40 lbs.

Wrapped in paper, with castings protected with cleats.

Track for Bicycle Ladders, Base or Floor.	Per Ft
No. 20—Plain steel rail, special pole, black japanned brackets	✦$0 99
No. 21—Noiseless rail, special pole, nickel plated brackets	✦1 32
No. 22—Noiseless rail, special pole, black japanned brackets	✦1 14
No. 23—Nickel plated steel rail, special pole, nickel plated brackets	✦1 32

Wt per ft, ½ lb.

Wrapped in paper, with castings protected with cleats.

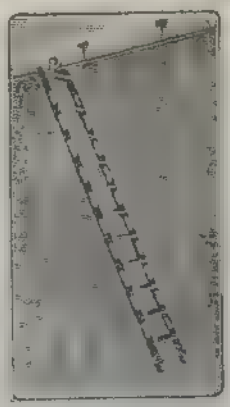
Track at prices quoted includes rail for bottom and guide pole for top, complete with all necessary brackets, screws, pole ends, etc., furnished ready to put up.

✦Millbradt's F. O. B. Missouri Factory Only.

✦Bicycle F. O. B. Iowa Factory Only.

STORE LADDERS

CHICAGO—BICYCLE



The track is open, permitting the use of large wheels, two of which are fitted to top and bottom of each ladder. A special device prevents tipping of the ladder and it cannot possibly get off the track. When so ordered they are made to turn corners or follow any crooked or curved track. Japanned mountings; rubber tired wheels.

They are made of yellow Georgia pine, with plain sides; and oak with ornamental open work sides, finished in the natural wood colors.

For standard ladders up to 14 ft in length, 3½ in. sides, 4 in. steps; length of steps 12 inches.

In ordering, observe the following instructions:

1st.—Give exact perpendicular height from floor to ceiling.

2nd.—Give entire length of track required.

Ladder and Fixtures Complete.

	Each
No. 34—Oak; (not to exceed 10 ft in length) wt per ft, 3½ lbs	✦$79 50
No. 33—Yellow pine; (not to exceed 10 ft in length) wt per ft, 3 lbs	✦56 25
	Per Ft
For ladders over 10 ft high add to above price each ft in excess of 10 ft	✦$3 30

Wrapped in paper, with castings protected with cleats.

	Per Ft
No. 35—Double steel rail, with wood center, complete with hangers, screws, etc.; wt per ft, ½ lb	✦$0 99

Packed loose.

	Each
Curves, for Chicago ladder track, extra	✦$9 90

BICYCLE

The track of the Bicycle ladder is built at the bottom, either on the base shelf or the floor, so that the entire weight of the ladder and operator is supported from below.

Light turned pole at the upper end of the ladder is used for a guide. Stout hook holds the pole in place. Has an extra wide shelf at the top for convenience of handling goods.

Has a double track; a half round steel rail for the wheels to run on at the bottom. The steel rail is 5/16 of an inch in height and ½ of an inch in width, the pole is little over an inch in diameter; sides 3½ inches wide; steps 4 inches wide; length of steps 12 inches.

In ordering, observe the following instructions:

1st.—Give exact distance from floor to ledge.

2nd. Give exact width of ledge

3rd.—Give exact perpendicular height from ledge to top of shelf to which ladder is to be fastened.

4th.—Give entire length of each run of track and number of uprights for each run.

5th.—Give dimensions of uprights, also distance of uprights from center to center.

6th.—State if uprights are straight faced or turned spindle.

	Each
No. 25—Oak, japanned mountings	✦$66 00
No. 26—Oak, nickel plated mountings	✦72 75
No. 27—Yellow pine, japanned mountings	✦56 25
No. 28—Yellow pine, nickel plated mountings	✦63 00

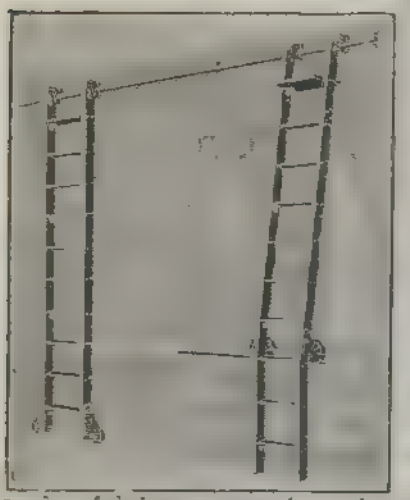
Average wt per ft, 3½ lbs.

Wrapped in paper, with castings protected with cleats.

✦F. O. B. Iowa Factory Only.

STORE LADDERS

RICHARDS BALL-BEARING



Ladders are made of oak or pine, selected and kiln dried. Steps are let into the sides and held by screws passing through the sides of ladder, made perfectly rigid with steel rungs.

Ladder sides are 3½ inches wide and steps 4 inches wide on ladders up to 14 ft.; over 14 ft. sides are 4 inches wide and steps 5 inches wide.

Steps are 14 ins. long between ladder sides. Track is attached to the uprights of shelving, edge of shelves or to cornice as shown above.

Straight Ladders.

Straight ladders can be set close to shelving when not in use, as the upper fixture has a self-adjusting vertical slide, which accommodates to thickness of door. Furnished with ball-bearing fibre or rubber tired wheels for bottom of ladder.

In ordering, observe the following instructions:

1st.—Give exact perpendicular height from floor to top of shelf to which track is to be fastened.

2nd. Give entire length of each run of track and number of uprights for each run.

3rd. Give dimensions of uprights, also distance of uprights from center to center.

4th.—State if uprights are straight faced or turned spindle.

5th. State if fibre or rubber-tired wheels are preferred.

Ladder and Fixtures Complete, Any Length.

	Each
No. 114—Oak; wt per ft 3½ lbs	+$74 25
No. 114P—Pine; wt per ft 3 lbs	+66 75

Bent Ladders.

Bent ladders have roller-bearing wheels running on half round ledge track.

In ordering, observe the following instructions:

1st.—Give exact distance from floor to ledge.

2nd. Give exact width of ledge.

3rd—Give exact perpendicular height from ledge to top of shelf to which track is to be fastened.

4th. Give entire length of each run of track and number of uprights for each run.

5th.—Give dimensions of uprights, also distance of upright from center to center.

6th.—State if uprights are straight faced or turned spindle.

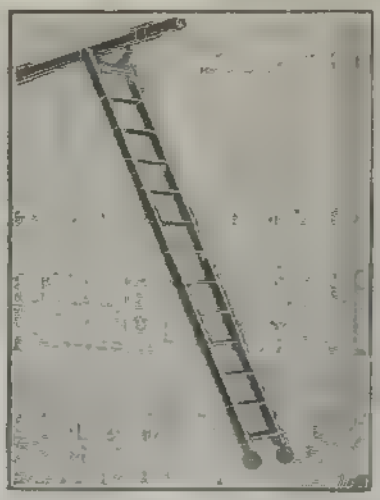
	Each
No. 114B—Oak; wt per ft 3½ lbs	+$81 75
No. 114PB—Pine, wt per ft 3 lbs	+74 25
	Per Set
Fixtures, without ladder, wt per set 25 lbs	+$45 00
	Per Ft
Pole Track, with brackets, wt per ft 1 lb	+$1 14

Shipped wrapped in paper with castings protected by cleats.

+F. O. B. Illinois Factory Only.

STORE LADDERS

RICHARDS BALL-BEARING



Upper wheels ball-bearing, runs on wood lined track. Fixtures made entirely of steel, aluminum finish; fitted with case hardened, ball bearing bottom rollers, fibre or rubber tired. For standard ladders up to 14 feet in length, width of sides 3½ in., width of step 4 in.; length of steps 12 in.

In ordering, observe the following instructions

1st.—Give exact perpendicular height from floor to ceiling.

2nd.—Give entire length of track required.

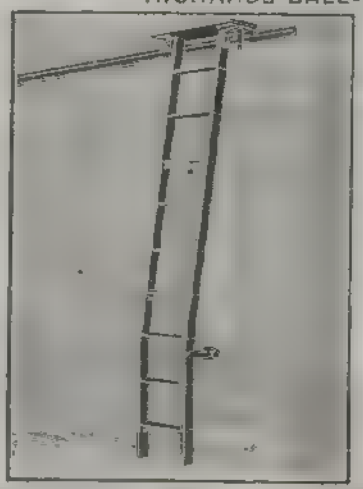
3rd.—State if fibre or rubber-tired wheels are preferred.

Ladder and Fixtures Complete; Any length.

	Each
No. 209—Oak; wt per ft 3½ lbs	+$81 75
No. 209P—Pine; wt per ft 3½ lbs	+74 25
	Per Set
Fixtures, without ladders, wt per set 15 lbs	+$45 00
	Per Ft
Track, with brackets, wt per ft 2½ lbs	+$1 14

Shipped wrapped with castings protected by cleats.

RICHARDS BALL-BEARING



The top fixtures made of steel, have finest case hardened ball bearings. The weight is carried entirely by the upper fixtures, the lower rollers acting as a guide against the edge of the ledge. The track consisting of steel angle and grooved wooden runway, is attached to the uprights of shelving, the edge of shelves or cornice. Fixtures aluminum finish. Ladders furnished in oak or pine.

For standard ladders up to 14 feet in length, width of ladder sides, 3½ inches, width of steps 4 inches. Ladders over 14 feet long have sides 4 inches wide and width of steps 5 inches. Steps are 12 inches long between ladder sides.

In ordering, observe the following instructions:

1st.—Give exact distance from floor to ledge.

2nd. Give exact width of ledge.

3rd Give exact perpendicular height from ledge to top of shelf to which ladder is to be fastened.

4th. Give entire length of each run of track and number of uprights for each run.

5th. Give dimensions of uprights, also distance of upright from center to center.

6th.—State if uprights are straight faced or turned spindle.

Ladder and Fixtures, Complete, Any Length.

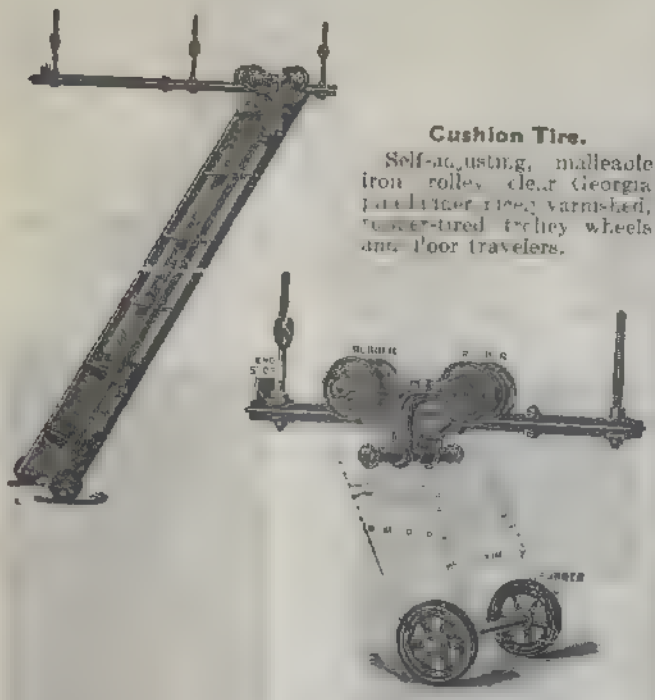
	Each
No. 113—Oak; wt per ft 3½ lbs	+$81 75
No. 113P Pine; wt per ft 3 lbs	+74 25
	Per Set
Fixtures without ladders, wt per set 10 lbs	+$45 00
	Per Ft
Track, wt per ft 2 lbs	+$1 14

Shipped wrapped with castings protected by cleats.

+F. O. B. Illinois Factory Only.

STORE LADDERS

MYERS'



Cushion Tire.

Self-adjusting, malleable iron rollers, clear Georgia pine ladder rods varnished, cushion-tired trolley wheels and floor travelers.

The track is double angle steel rail which is very neat and strong and is suspended from ceiling by means of lag screws, either jointed or rigid, or by flanged plates and wood screws. By this means the track is placed close to the ceiling and can be leveled on an uneven ceiling without the least trouble and without any blocking or bridging.

The trolley is self-adjusting, is made of malleable iron, fitted with turned steel bearings, and 3 inch anti-rattler wheels, turned and bored on a lathe and fitted with special rubber tires.

The ladder is constructed of the best clear Georgia pine nicely finished, filled and varnished. It has open panel sides 5 inches wide, with 5 inch steps, each step being supported at each end with a special malleable dowel-tee, which makes the strongest construction possible. The width of ladder is 12 inches.

The floor-travelers are 5 inches in diameter, composed of metal sides with rubber cushioned tires, clamped in such a position as to be impossible to come loose or work off. They are laced on a steel axle which revolves with one of the wheels, the other running loose. In this manner the ladder will adjust itself to the floor.

In ordering, observe the following instructions:
1st.—Give exact perpendicular height from floor to ceiling.
2nd.—Give entire length of track required.

	Each
No. IML—Ladder and hanger, complete without track; for ceilings 14 ft or less in height; wt each 60 lbs	✦$66 75

	Per Ft
No. IMT—Track and hanger bolts; wt per ft 2 1/3 lbs	✦$0 93

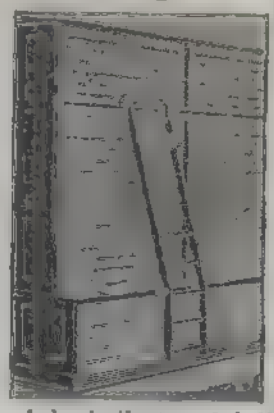
Shipped wrapped with castings protected by cleats.

✦F. O. B. Ohio Factory Only.

STORE LADDERS

MILBRADT'S

The Milbradt step ladders are the strongest, neatest and easiest running ladders on the market. They are made to order, any shape and length necessary to fit shelving, of good oak lumber, in the best possible workmanlike manner, finished in first class style. They are made in various styles to suit all kinds of shelving.



Bent Shelf Ladders.

Runs on steel track, has rubber rollers attached near the lower end that run against the edge of base shelf, nickel plated malleable iron trimmings.

The track should be fastened to a shelf that is about 3 feet from the top.

In ordering, observe the following instructions:
1st.—Give the exact height from floor to top of ledge.
2nd.—Give the exact width or projection of base shelf.
3rd.—Give the exact perpendicular height from the top of ledge to the top of shelf to which track is to be fastened.
4th. Give entire length of each run of track and number of uprights for each run.
5th.—Give dimensions of uprights, also distance of uprights from center to center.
6th.—State if uprights are straight faced or turned spindle.

	Each
No. 1—Complete with fixtures; wt each 50 lbs	✦$66 00

Steel Track.

	Per Ft
No. 8—Steel track for brackets not over 4 ft apart; complete with brackets and screws, at per ft 1 lb	✦$1 14

Ladders and track crated.

MILBRADT'S

Trolley Ladder.

Has a suitable fixture with wheels at the top that run on a track, fastened to the ceiling. It also has attached at the bottom cushioned wheels that run on the floor. This ladder is very strongly built and is especially adapted for hardware stores or any place of business where heavy goods are handled.

In ordering, observe the following instructions:
1st.—Give exact perpendicular height from floor to ceiling.
2nd.—Give entire length of track required.

	Each
No. 15—Complete with fixtures; wt each 50 lbs	✦$66 00

Steel Track.

	Per Foot
No. 11—Ceiling or trolley track; complete with brackets and screws; wt per ft 1/2 lb	✦$1 14

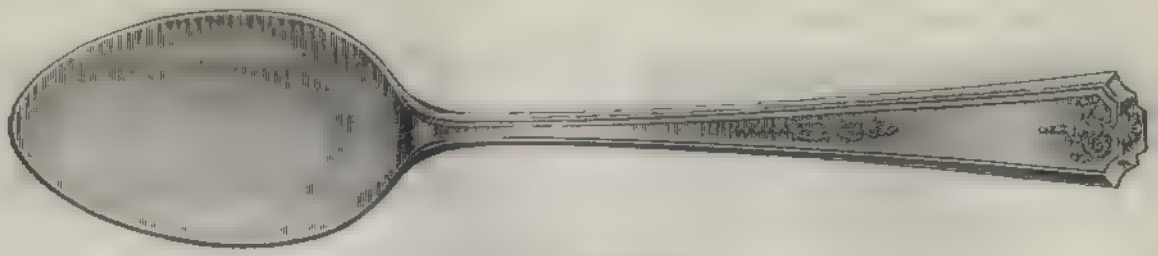
Ladders and track crated.

✦F. O. B. Missouri Factory Only.

ONEIDA COMMUNITY MADE TUDOR PLATE SILVERWARE

QUEEN BESS PATTERN—BRIGHT BUTLER (PLATINUM) FINISH

Truly a masterpiece of artistic designing, exquisitely beautiful in outline and ornamentation, designed along lines of proven salability. Tudor plate has a heavy overall plate and pieces are specially reinforced at points of greatest wear with discs of pure silver.



Teaspoon—Full Size.

	Per Doz
No. 29602—Teaspoons; length 6 ins; wt per doz 9 ozs	$ 6 30
No. 29603—Dessert Spoons; length 7⅛ ins; wt per doz 12 ozs	12 03
No. 29605—Table Spoons; length 8⅛ ins; wt per doz 16 ozs	12 60

HOLLOW HANDLE KNIVES AND FORKS

Medium.

Length of knives 9¾ inches; length of forks 7⅛ inches.

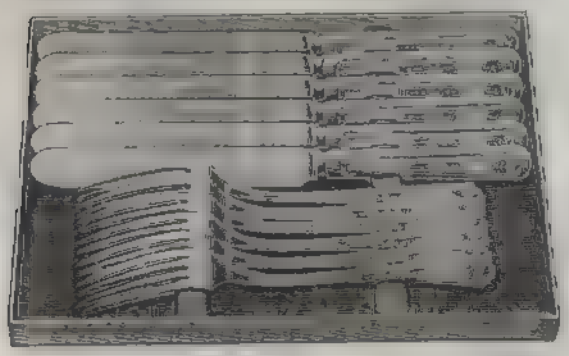
	Per Doz
No. 29611—Medium Knives only	$35 85
No. 29664—Medium Knives only with stainless steel blades	39 90
No. 29607—Medium forks only	12 60

Dessert.

	Per Doz
No. 29606—Dessert forks only; length of forks 7 ins	$12 03
No. 29615—Embossed handle; medium Knives only	14 16
No. 29616—Embossed handle; dessert Knives only; length 8¾ ins	13 80
No. 29594—Embossed handle; medium Knives only; with stainless steel blades	27 84

Half doz in flannel roll; wt per doz pieces about 1¼ lbs.

HOLLOW HANDLE KNIFE AND FORK SETS



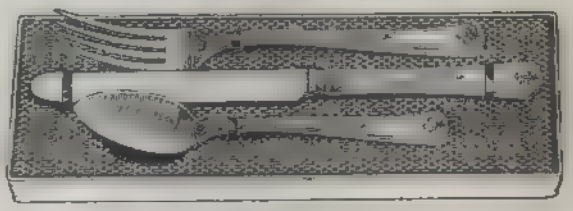
Medium.

Length of Knives 9¾ inches; length of Forks 7⅛ inches.

	Per Set
No. 29803—Embossed handle; Knives and flat forks in sets of 6 each	$14 41
No. 29742—Hollow handle; medium Knives and flat forks only in sets of 6 each	24 27

One set in cardboard box; wt per set 2⅞ lbs.

CHILD'S SETS

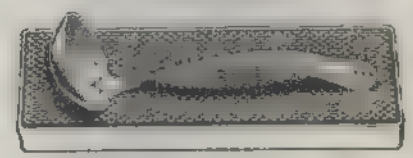


An appropriate gift for the child.

	Per Set
No. 29737—3 piece; fork, spoon and flat handle knife; length of knife 7⅛ ins	$3 93

One set in cardboard box; wt each 8 ozs.

LADLES



	Each
No. 29715—Cream; length 5⅝ ins. For serving salad dressing, whipped cream and pudding sauces; wt each 4 ozs	$1 98
No. 29717—Gravy; length 6¾ ins. For deep dish serving gravy, preserved fruits, sauces, etc; wt each 7 ozs	2 97
No. 29721—Medium soup; length 10⅝. For serving soups, crushed fruit, etc; wt each 4½ ozs	7 89

One in blue cardboard box.

SOUP SPOONS

	Per Set of Six
No. 29604—Length 8⅛ ins	$6 30

Set of six in cardboard box; wt per set 1 lb.

ONEIDA COMMUNITY MADE TUDOR PLATE SILVERWARE

CORRECT SERVICE PIECES

QUEEN BESS PATTERN—BRIGHT BUTLER (PLATINUM) FINISH

All Correct Service Pieces Are Packed In Cardboard Boxes.

COLD MEAT FORKS

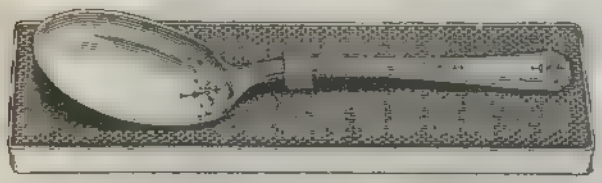
For serving sliced fowl, cold meat, fish asparagus, macaroni and spaghetti, also used with berry spoon for salad serving.

Each

No. 29667—Length 8¾ inches **$2 46**

One in cardboard box; wt each 6 ozs.

BERRY SPOONS



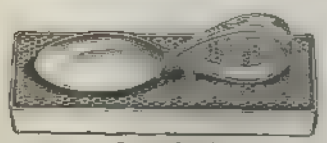
For serving from casserole or baking dishes; also used with cold meat fork for salad serving.

Each

No. 29620—Length 9⅛ ins **$3 93**

One in cardboard box; wt each 10 ozs.

BABY SPOONS



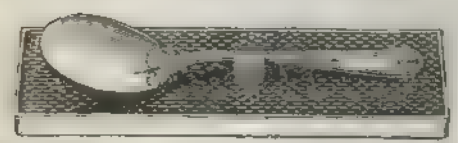
Especially designed to meet the requirements for bread and milk, also cereal feasts

Per Doz

No. 29619—Length 4 ins **$15 51**

One in cardboard box; wt per doz 1½ lbs.

SUGAR SPOONS



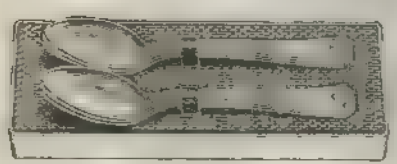
Desirable for jam, jelly, marmalade, etc.

Each

No. 29650—Length 5⅞ ins **$1 47**

One in cardboard box; wt each ¼ ozs.

COFFEE SPOONS



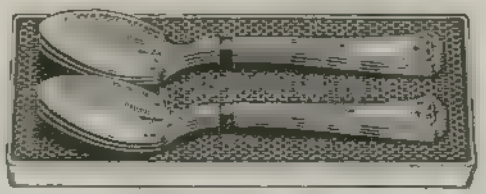
For small cup service.

Per Set of Six

No. 29625—Length 4½ ins **$3 93**

Set of six in cardboard box; wt per set ¼ ozs

ORANGE SPOONS



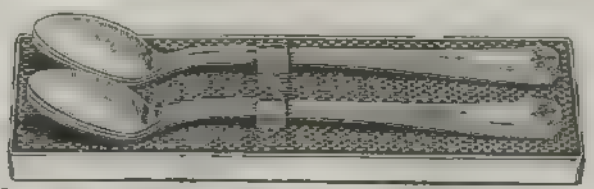
For oranges, grapefruit and melons, etc.

Per Set of Six

No. 29641—Length 5⅜ ins **$5 91**

Set of six in cardboard box; wt per set 10 ozs.

ICE TEA SPOONS



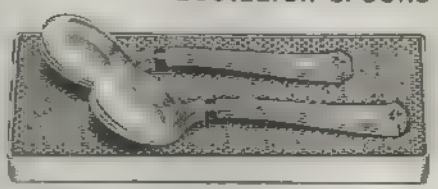
For iced tea, coffee, chocolate, lemonade and highballs.

Per Doz

No. 29629—Length 7⅛ ins **$12 78**

Half doz in velvet lined box; wt per doz 2¼ lbs

BOUILLION SPOONS



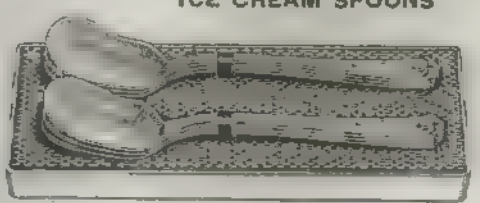
For bouillion, consomme and soups when served in cups.

Per Set of Six

No. 29622—Length 4⅛ ins **$6 90**

Set of six in cardboard box; wt per set 10 ozs

ICE CREAM SPOONS



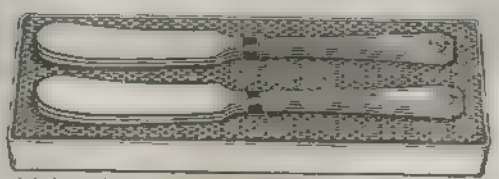
For Sundaes, sherberts, ices, desserts, etc.

Per Set of Six

No. 29657—Length 5⅜ ins **$5 91**

Set of six in cardboard box; wt per set 10 ozs.

BUTTER SPREADERS



Used with individual bread and butter plates.

Per Set of Six

No. 29697—Length 6¼ ins **$8 37**

Set of six in cardboard box, wt per set 15 ozs

ONEIDA COMMUNITY MADE TUDOR PLATE SILVERWARE

CORRECT SERVICE PIECES

QUEEN BESS PATTERN — BRIGHT BUTLER (PLATINUM) FINISH

All Correct Service Pieces Are Packed In Cardboard Boxes.

OYSTER FORKS

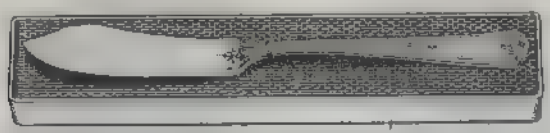
For oysters, clams, lobsters, shrimps, seafood, cocktails etc.

Per Set of Six

No. 29679—Length 6 1/8 ins **$6 39**

Set of six in cardboard box; wt per set 12 ozs.

BUTTER KNIVES



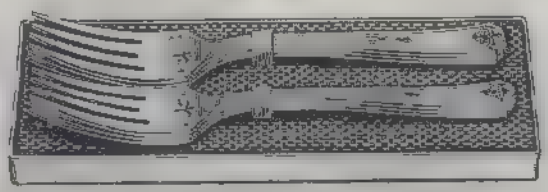
Butter server, an attractive, practical gift

Each

No. 29695—Length 7 1/2 ins **$1 47**

One in cardboard box; wt each 4 ozs.

SALAD FORKS



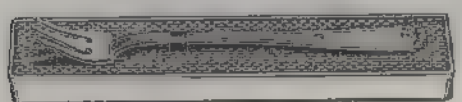
For salad, french pastry, etc.

Per Set of 6

No. 29688—Length 6 1/2 ins **$9 36**

Set of six in cardboard box; wt per set 12 ozs

PICKLE FORKS



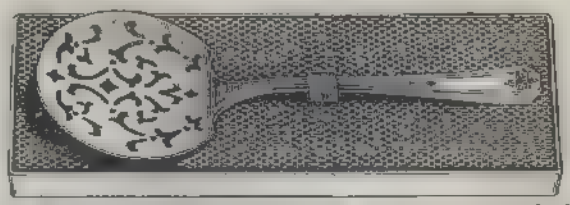
For serving pickles, olives, relishes, etc.

Each

No. 29646—Length 6 3/8 ins **$1 98**

One in cardboard box; wt each 3 ozs

PIERCED SERVERS



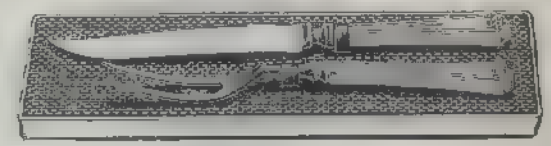
For serving tomatoes, pineapples, cucumbers, poached or fried eggs, fritters, waffles, fish cakes, croquettes, etc.

Each

No. 29690—Length 7 5/8 ins **$3 93**

One in cardboard box, wt each 5 ozs

HOLLOW HANDLE GAME OR STEAK CARVING SETS



Steak, fowl or breakfast service.

Per Set

No. 29728—Two piece set; length carver 10 ins **$12 60**

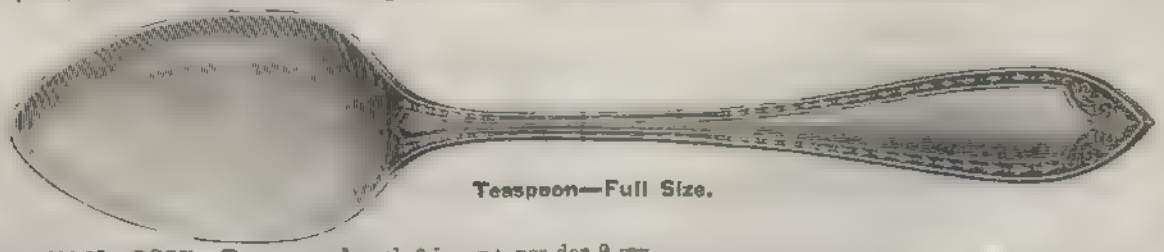
One set in cardboard box wt each 1 lb ozs

Your progress depends upon the quality of Merchandise you sell.
There is no better cutlery than "PRIMBLE".

ONEIDA COMMUNITY PLATE SILVERWARE

SHERATON PATTERN—FRENCH GREY FINISH

Graceful in outline and exquisite in ornamentation, this design gives delight to all lovers of the beautiful It exemplifies the finest work of that great English artist from whom it takes its name.



Teaspoon—Full Size.

		Per Doz
No. 9602	(Old No. OCS6)—Teaspoons; length 6 ins; wt per doz 9 ozs	$14 25
No. 9603	(Old No. OCS9)—Dessert spoons; length 7¼ ins; wt per doz 12 ozs	27 30
No. 9604	(Old No. OCS10)—Soup spoons (round bowl); length 7⅛ ins; wt per doz 13 ozs	28 50
No. 9605	(Old No. OCS12)—Tablespoons; length 8⅛ ins; wt per doz 16 ozs	28 50

Half doz in cardboard box.

HOLLOW HANDLE KNIVES AND FORKS

Medium.

Length of knives 9¾ inches; length of forks 7½ inches.

		Per Set
No. OCSHKF	—Medium knives and forks, in sets of 6 each	$42 00

		Per Doz
No. 9611	(Old No. OCSHK)—Medium knives only	$42 00

Half doz in flannel roll; wt per doz pieces about 1½ lbs.

Dessert.

Length of knives 8¼ inches; length of forks 7 inches.

		Per Set
No. OCSHDKF	—Dessert knives and forks, in sets of 6 each	$41 25

		Per Doz
No. 9612	(Old No. OCSHDK)—Dessert knives only	$41 25
No. 9614	(Old No. OCSHDF)—Dessert forks only	41 25

Half doz in flannel roll; wt per doz pieces about 1¼ lbs

MODEL HANDLE KNIVES

Dessert.

		Per Doz
No. 9616	(Old No. OCSMDK)—Dessert knives only	$27 45

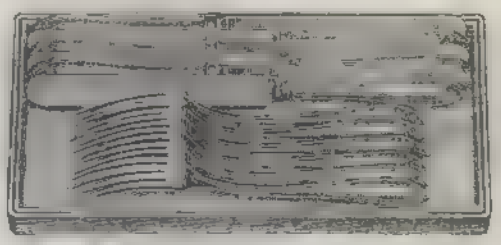
FORKS

Four tine spoon handle.

		Per Doz
No. 9608	(Old No. OCS9F)—Dessert forks, length 7⅛ ins; wt per doz 1¼ lbs	$27 15
No. 9607	(Old No. OCS12F)—Medium forks, length 7¾ ins; wt per doz about 1½ lbs	27 75

Half doz in box.

KNIFE AND FORK SETS



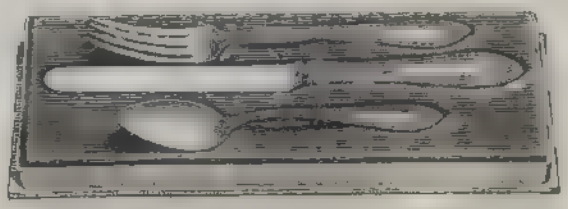
Medium.

Length of knives 9¾ inches; length of forks 7½ inches.

		Per Set
No. 9982	(Old No. OCSMDKF)—Modeled handles in sets of 6 each	$27 15
No. 9742	(Old No. OCSHK12F)—Hollow handle knives and flat handle forks, in sets of 6 each	34 80

One set in racked box; wt per set 2⅞ lbs.

CHILD'S SET



An appropriate gift for the child.

		Per Set
No. 9737	(Old No. OCS-2)—With flat handle knife; length of knife 7½ ins	$5 91

One set in blue velvet lined box; wt per set about ½ lb.

ONEIDA COMMUNITY PLATE SILVERWARE

CORRECT SERVICE PIECES
SHERATON PATTERN—FRENCH GREY FINISH

All correct Service Pieces of Community Plate are packed in blue velvet gift cases.

LADLES

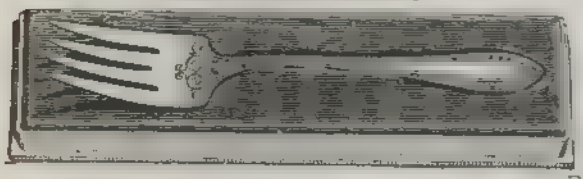
Each

No. 9715 (Old No. OCS13)—**Cream**; length 5⅝ ins. For serving salad dressing, whipped cream and pudding sauce; wt each 4 ozs $3 93

No. 9717 (Old No. OCS14)—**Gravy**; length 6¾ ins. For deep dish serving of gravy, preserved fruits, sauces, etc.; wt each 7 ozs 4 92

One in blue velvet lined box.

COLD MEAT FORKS



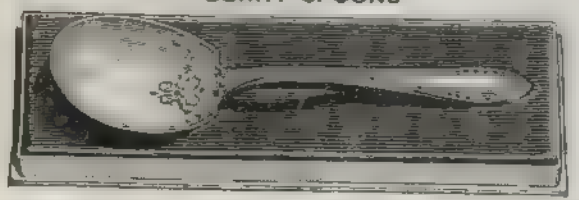
Each

No. 9667 (Old No. OCS17)—**Large**; length 8⅜ ins. For serving sliced fowl, cold meat, fish, asparagus, macaroni and spaghetti; also used with berry spoon for salad serving; wt each 6 ozs $4 44

No. 9668 (Old No. OCS33)—**Small**; length 6⅛ ins. For serving sliced fowl, cold meat, sardines, etc.; wt each 4 ozs 3 42

One in blue velvet lined box.

BERRY SPOONS



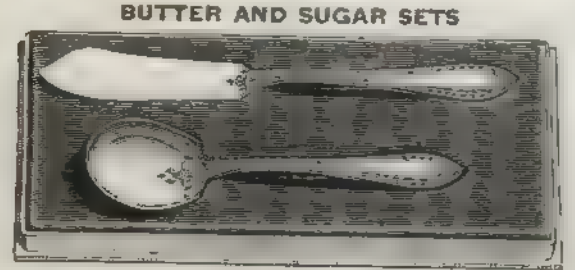
For serving from casserole or baking dishes. Also used with the cold meat fork salad serving.

Each

No. 9620 (Old No. OCS20)—Length 9⅛ ins..... $6 39

One in blue velvet lined box; wt each 10 ozs.

BUTTER AND SUGAR SETS



An attractive, practical gift.

Per Set

No. 9729 (Old No. OCS47) Two piece set $4 92

One set in blue velvet lined box; wt per set 8 ozs.

BABY SPOONS

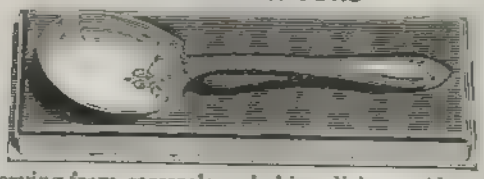
Especially designed to meet the requirements for bread and milk and cereal feasts.

Each

No. 9619 (Old No. OCS1)—Length 4 ins..... $1 95

One in blue velvet lined box; wt each 2 ozs.

PRESERVE SPOONS



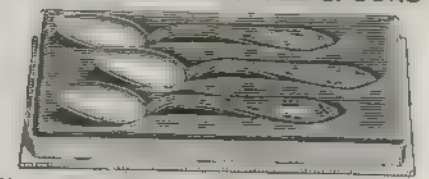
For serving from casserole or baking dishes. Also used with the cold meat fork for salad serving.

Each

No. 9647 (Old No. OCS50)—Length 7⅝ ins..... $4 92

One in blue velvet lined box, wt each 6 ozs

COFFEE SPOONS



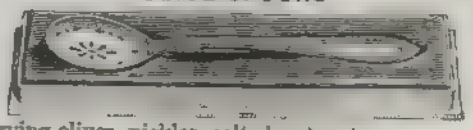
For small cup service.

Per Set of Six

No. 9625 (Old No. OCS5)—Length 4⅛ ins..... $7 38

Set of six in blue velvet lined box, wt per set 6 ozs

OLIVE SPOONS



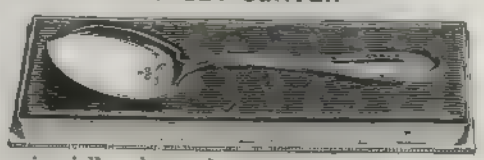
For serving olives, pickles, salted nuts, etc.

Each

No. 9656 (Old No. OCS67)—Length 5¾ ins..... $3 42

One in blue velvet lined box; wt each 4 ozs.

JELLY SERVER



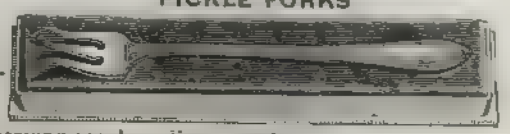
For serving jelly, cheese, honey, etc.

Each

No. 9623 (Old No. OCS53)—Length 5¾ ins..... $2 97

One in blue velvet lined box; wt each 4 ozs.

PICKLE FORKS



For serving pickles, olives, relishes, etc.

Each

No 9646 (Old No. OCS23)—Length 6⅜ ins..... $2 97

One in blue velvet lined box; wt each 4 ozs.

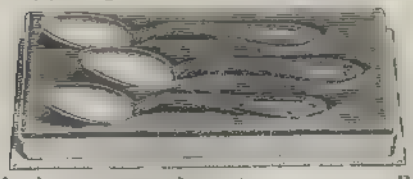
ONEIDA COMMUNITY PLATE SILVERWARE

CORRECT SERVICE PIECES

SHERATON PATTERN—FRENCH GREY FINISH

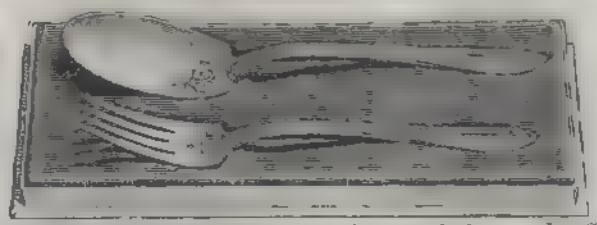
All correct service pieces of Community Plate are packed in blue velvet gift cases.

FIVE O'CLOCK TEA SPOONS



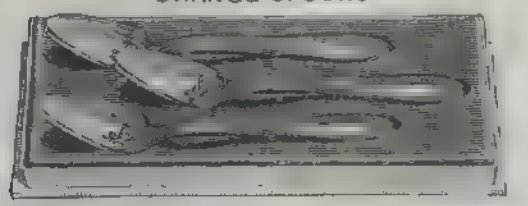
For tea, sherbets, ices, sundaes, etc. Per Set of Six
No. 9601 Old No. OCS5T)—Length 5 ins $7 38
Set of six in blue velvet lined box; wt per set 7 ozs.

SALAD SERVING SETS



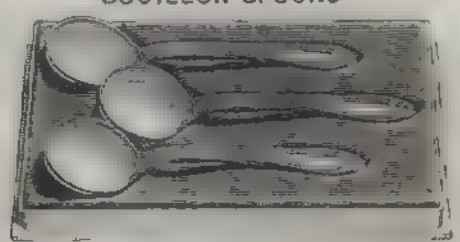
Combination berry spoon and cold meat fork Per Set
No. 9742 (Old No. OCS175O)—Two piece set $9 36
One set in blue velvet lined box; wt per set 10 ozs.

ORANGE SPOONS



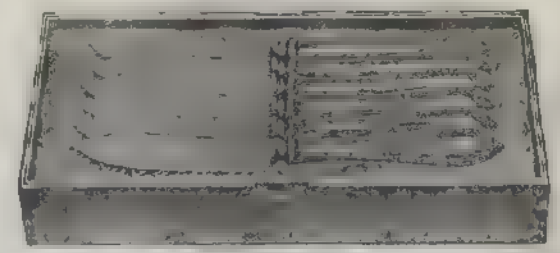
For oranges, grapefruits, melons, etc.
Per Set of Six
No. 9641 (Old No. OCS24)—Length 5⅝ ins $10 83
Set of six in blue velvet lined box; wt per set 10 ozs.

BOUILLON SPOONS



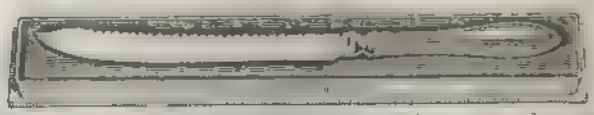
For bouillon, consomme and soups when served in cups.
Per Set of Six
No. 9622 (Old No. OCS8)—Length 4⅞ ins $13 80
Set of six in blue velvet lined box; wt per set 10 ozs.

FRUIT KNIVES



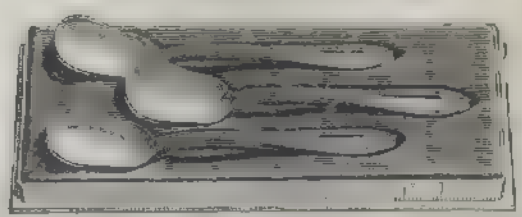
For serving oranges, grapefruit, etc. Per Set of Six
No. 9704 (Old No. OCS30SS)—Hollow handle; length 6 ins; stainless steel blades $21 27
No. 9698 (Old No. OCS46SS)—Model handle; length 6 ins 13 92
Set of six in box, wt per set 14 ozs.

BREAD OR CAKE KNIVES



The serrated edge is especially adapted for cutting hot cake or bread.
Each
No. 9989 (Old No. OCS32)—Length 11⅝ ins $8 37
One in blue velvet lined box; wt each 7 ozs.

ICE CREAM SPOONS



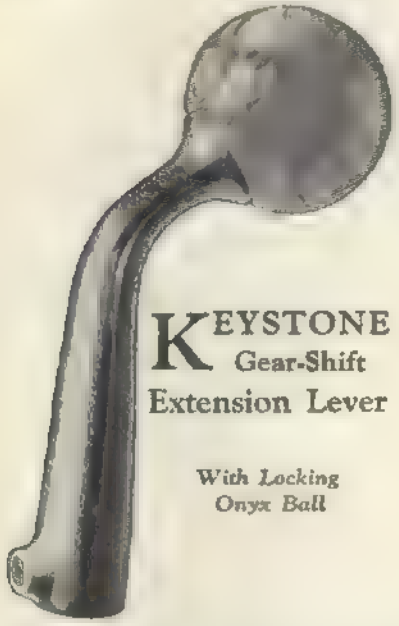
For sundaes, sherbets, ices, desserts, etc. Per Set of Six
No. 9657 Old No. OCS21 Length 5⅛ ins $10 83
Set of six in blue velvet box; wt per set 10 ozs.

HOLLOW HANDLE CARVING SETS

For large roasts, turkeys, etc. Per Set
No. 9725 Old No. OCS46SS—Three piece carving set, length of knife 15 ins; stainless steel blades $33 57
One set in blue velvet lined box; wt per set about 1¾ lbs.

GEAR SHIFT BALLS AND EXTENSION LEVERS

KEYSTONE GEAR-SHIFT EXTENSION LEVER



Keystone Gear-Shift Extension Lever. With this lever driving will be more of a pleasure than ever, for the lever is always at hand for shifting of gears, without any change of the driving position. It is theft proof

Keystone Extension Levers are also supplied without lever balls if desired Easy to install

Specifications

Car	No.	Car	No.
Ajax	3	Kissel Kar, 12 Cyl	6
Anderson	2	Lincoln	3
Apperson	2	Lexington	7
Auburn	7	Locomobile, 48	6
Buick	1	Locomobile, Junior 8	11
Case	5	Marmon	12
Cadillac	5	Maxwell	2
Chalmers, 1923	2	McFarlan Six	2
Chandler, 1924 and later	1	Moon 6-40 1923	6
Chrysler Six	6	Moon, 6-58, 1924	2
Chrysler Four	2	Moon, 1925 26	3
Chevrolet, 1923 and later	1	Nash	3
Cleveland	5	Oakland, 1923 and earlier	1
Cole	7	Oakland, 1924 and later	3
Columbia	2	Oldsmobile, 6 Cy	3
Cunningham	2	Oldsmobile, 8 Cyl	1
Dagmar	2	Overland	3
Davis	1	Packard, 6 and 8	7
Diana	3	Packard, 12 Cyl	16
Dodge	3	Paige 1923 and Earlier	6
Durant	1	Paige 1924 and later	3
Duesenberg	3	Peerless	2
Elcar	3	Pierce Arrow Six	5
Essex	4	Pierce Arrow Light Six	2
Flint	0	R & V Knight	2
Ford, Perfection Axle	3	Reo	2
Franklin	5	Rickenbacker Six	6
Gardner	5	Rickenbacker Eight	3
Gray	3	Roamer	6
Haynes	6	Rollin	10
H C. S. to 1923	7	Star	11
Hudson Super Six	4	Stearns-Knight, 1924	1
Hupmobile, 4 Cyl	2	Stephens 1924	5
Hupmobile, 8 Cyl	11	Studebaker, 1923 and Earlier	9
Jewett, 23 and earlier	6	Studebaker, 1924 and Later	8
Jewett, 24 or later	3	Stutz	3
Jordan Six	5	Velie	11
Jordan Eight	10	Wills St. Claire	3
Kissel Kar, 1922 and Sport	7	Willys-Knight	3

Keystone Extension Lever (without ball) each **$1 00**
Keystone Extension Lever with 1⅞-inch Onyx Ball **3 00**

NOTE—All Keystone Gear-Shift Extension Levers have the one sized thread to fit Onyx Gear-Shift Balls with Standard No. 1 Thread.

ARIZONYX GEAR-SHIFT BALLS

Arizonyx Gear-Shift Balls. Made for all makes and model cars. Made from the famous Semi-Precious Onyx stone from the Cave Creek quarry in the mountains of Arizona, and is known the world over for its wealth of gorgeous colors and markings. Each ball different in color and veining. Balls are guaranteed against defective material or workmanship. Actual size of balls, 1¾ inches to 1⅞ inches.

Smaller Gear Shift Balls, 1⅞-inch to 1⅛-inch, especially adapted for ladies. This ball and smaller balls in any desirable size, can be furnished for soda fountains, motometers, umbrella handles, etc. Fittings furnished to fill requirements.

Arizonyx Gear-Shift Ball (Standard).....each **$2 00**

RADIO

We carry a complete line of

RADIO
RECEIVERS
AND
RADIO
ACCESSORIES

Write us for special Radio Catalog.

IMPROVED HEX. GEAR SHIFT EXTENSION

IMPROVED HEX GEAR SHIFT EXTENSION

Improved Hex Gear Shift Extension is made for the following cars shown below. Its object is to make it easy to reach the gear shift lever while driving and adds to the appearance of the car. The data below gives the names of the cars in alphabetical order, and opposite the name is the model number of the extension which fits that particular make of car.

The price includes the bakelite ball.

Improved Hex Gear Shift Extension.
Each $2 00

Make and Year of Car	Extension No.
Ace, 1921-23	52
Ace, 1923	101
Agren DeLuxe, 1921	92
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Beggs, 1923	112
Bell, 1921	101
Biddle, 1923	101
Bowman, 1923	92
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Chevrolet, 1923-25	102
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Cleveland, 1923	82
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Climber, 1923	92
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Dodge, 1923	32
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BOYCE MOTO-METERS

BOYCE DE LUXE AND STANDARD MODELS

De Luxe Cloisonne Name Plate Standard

De Luxe Model. Designed for the highest grade passenger cars. The temperature tube is one-half inch in diameter, having a broad column of red liquid readable at a great distance. The case is triple nickel-plated, and the finish of the entire instrument is of the highest quality of workmanship. It is in truth a De Luxe instrument. Size, 3⅜x5¾ inches. Entire weight (packed in carton), 23½ ounces.

De Luxe Model Moto-Meter (including Sedlaich Lock).....each $15 00

Standard Model. A perfect heat recording instrument of the highest type, with extra wide broad ribbon bore thermometer tube. Furnished in high grade black enamel with nickel plated retaining rings or all nickel finish. Size, 3⅜x5½ inches. Weight (packed in carton), 16 ounces.

Standard Model Moto-Meter (Specify finish).each $10 00

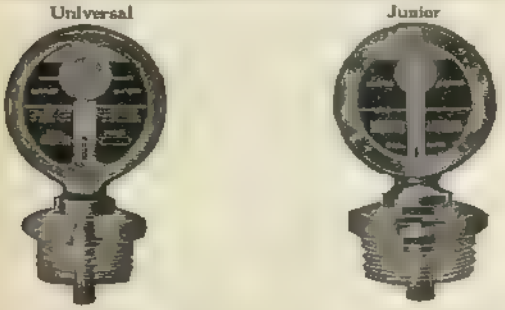
CLOISONNE ENAMEL NAME PLATE

Cloisonne Enamel Name Plate. A special plate for De Luxe and Standard Model Boyce Moto-Meters which is easily inserted in place of the name plate regularly furnished in either of these models. This new plate is attractive in design, and is finished in a neutral tone of gray-blue cloisonne enamel which harmonizes beautifully with all car finishes. A crystal window inlaid in each plate adds considerably to its appearance.

Cloisonne Enamel Name Plate.....each $2 00

BOYCE UNIVERSAL AND JUNIOR MODELS

Universal Junior



Universal Model. Slightly smaller than the Standard Model, finished in all nickel. Beveled crystals add to its appearance. Size, 3x5 inches. Weight (packed in carton), 14 ounces.

Universal Model Moto-Meter.....each $7 50

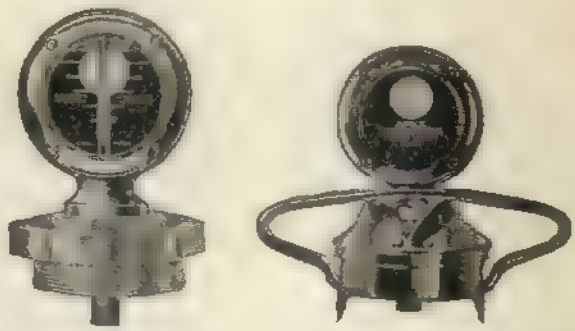
Notice: Orders may be accepted from car distributors, dealers and agents for **Universal Model Boyce Moto-Meters** with car design name plates in any quantity. Discounts will depend upon the quantity purchased

Junior Model. The frame of this instrument is heavily nickel plated, and it has the same range of temperature as the Standard and Universal Models. Size, 3x4⅞ inches. Weight (packed in carton), 8 ounces.

Junior Model Moto Meter.....each $5 00

BOYCE MIDGET AND FORD MODELS

Midget Ford



Midget Model. Designed especially for use on small cars. It has a polished nickel frame and is finished with beveled crystals both front and rear. This instrument, except for its size, is identical with more expensive Boyce Moto-Meters for the larger types of cars.

Midget Model Moto-Meter.....each $3 50

Special Model for Ford. This model consists of a Midget Model Boyce Moto-Meter mounted on a handsomely designed locking radiator cap. Complete unit is nickel plated, and offers an article of great utility as well as beauty for the Ford car.

Special Model Moto-Meter for Ford Cars.....each $4 00

Notice: Special car name dials for use in the **Ford Model and the Midget Model Boyce Moto-Meters** will be made only for the following cars: Chevrolet, Ford, Gray, Overland and Star, and will incorporate only the trade-mark or name of car

BOYCE TRUCK AND TRACTOR MODEL

Truck and Tractor

Truck and Tractor Model. Designed especially for severe conditions, such as for use on trucks and tractors; diameter of thermometer tube is one-half inch, making breakage practically impossible; casing is nickel plated, and the tube has a broad red column of indicating liquid, easily seen regardless of dust conditions. Size, 2⅞x4¾ inches. Weight (packed in carton), 16 ounces.

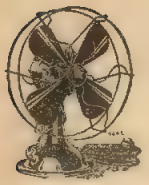
Truck and Tractor Model Moto-Meter.....each $10 00

Write us for Moto-Meter Service Station Plan

FANS

PORTABLE—NON-OSCILLATING AND OSCILLATING

ROBBINS & MYERS



8-INCH, A. C. OR D. C., NON-OSCILLATING

A low priced single speed fan suitable for all services where a small size fan is required Series type, universal motor will operate on any voltage from 100 to 120 volts, 25 to 60 cycles, A C or D C Adjustable to either desk or wall positions. Switch in base provides for starting and stopping and gives operation positions on A. C. or D. C. circuits.

No.	Diam of blades	Speed, R. P. M. A. C.	D. C.	Watts A. C.	D C	Ship. wt. each	
3504	8 in.	1850	1950	35	35	12 lbs.	Each $10.40

8-INCH, A. C., NON-OSCILLATING

Single speed induction type motor operating on 100-120 volts, 60 cycles, A C only A popular priced fan, especially adapted for the small office or home.

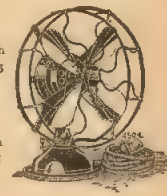
No.	Diam. of blades	Speed, R. P. M.	Watts	Ship. wt. each	
4100	8 in.	1550	30	12 lbs.	Each $10.40

One in a carton; ten in a case.

9-INCH, A. C. OR D. C., NON-OSCILLATING

Three speeds Series type, universal motor for 100 120 volts, 25 to 60 cycles, A C or D. C.

No.	Diam of blades		Speed, R. P. M. High	Med.	Low	Watts High	Med.	Low	Ship wt each	
3000	9 in.	On A. C.	1850	1500	1100	35	30	27	14 lbs	Each $15.75
		On D. C.	2200	1750	1400	45	40	35		



9-INCH, A. C. OR D. C., OSCILLATING

Same as No. 3000, except oscillating type.

No	Diam of blades		Speed, R. P. M. High	Med	Low	Watts High	Med.	Low	Ship. wt each.	
3600	9 in.	On A. C.	1850	1500	1100	35	30	27	16 lbs.	Each $22.05
		On D. C	2200	1750	1400	45	40	35		

One in a wooden box.

10-INCH, A. C., OSCILLATING

Three speeds Induction type motor for 100-120 volts, 60 cycles, A. C. only Ideal for residences or small offices.

No.	Diam. of blades	Speed, R. P. M. High	Med	Low	Watts High	Med.	Low	Ship. wt. each	
4204	10 in.	1530	1300	1100	32	26	22	18 lbs.	Each $22.05

One in a wooden box.

12 AND 16-INCH, A. C., NON-OSCILLATING

Three speeds Induction type motor for 100 120 volts, 60 cycles, A. C. only Suitable for all classes of service, stores, restaurants, offices, schools, homes or where a strong breeze is desired

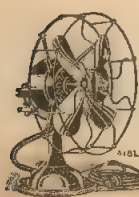
No.	Diam. of blades	Speed, R. P. M. High	Med.	Low	Watts High	Med.	Low	Ship wt. each	
3704	12 in.	1580	1350	1170	46	37	33	35 lbs.	Each $24.60
3754	16 in.	1500	1250	1075	76	65	59	43 lbs.	29.00

12 AND 16-INCH, D. C., NON-OSCILLATING

Same as Nos. 3704 and 3754, except motor for direct current.

No.	Diam. of blades	Speed, R. P. M. High	Med	Low	Watts High	Med	Low	Ship. wt. each	
2203	12 in.	1500	1300	1100	44	38	34	33 lbs.	Each $24.65
2206	16 in.	1500	1250	1075	57	51	46	41 lbs.	29.00

One in a wooden box



12 AND 16-INCH, A. C., OSCILLATING

Three speeds Induction type motor for 100-120 volts, 60 cycles, A. C only. Most desirable type for general service in stores, offices, etc.

No.	Diam. of blades	Speed, R. P. M. High	Med	Low	Watts High	Med	Low	Ship. wt. each	
3804	12 in	1650	1300	1100	48	38	34	36 lbs.	Each $31.70
3854	16 in.	1500	1250	1075	78	66	60	44 lbs.	37.15

12 AND 16-INCH, D. C., OSCILLATING

Same as Nos. 3804 and 3854, except motor for direct current

No.	Diam. of blades	Speed, R. P. M. High	Med	Low	Watts High	Med	Low	Ship wt. each	
3901	12 in.	1530	1300	1100	46	40	35	34 lbs.	Each $31.70
3951	16 in.	1500	1250	1075	59	52	47	42 lbs.	37.15

One in a wooden box.

FANS

PORTABLE NON-OSCILLATING

POLAR CUB

5 AND 8-INCH

Equipped with twisted lamp cord and standard screw plug ready to operate. Motor casing, base and guard finished in enamel, electrically baked. Two-part drawn steel motor shell with patented bronze bearings. Cast iron base, steel blades. Universal motor operates on 110 volts, 60-cycle, A. C. or D. C.

Throws a strong breeze. Draws on an average of 22 to 25 watts, which means that this little motor spins along at an average cost of one penny for six hours. One speed.

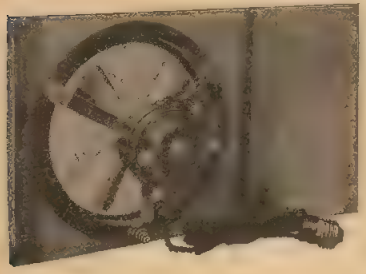
Size	Finish	Height over all	Diam. of Blades	Wt. each	Carton	Each
6 in.	Black	8 in.	6½ in.	2½ lbs.	12	$3.95
8 in.	Black	10 in.	8½ in.	3 lbs.	6	4.95
8 in.	Ivory	10 in.	8½ in.	3 lbs.	6	6.50

Assortment of fans in full carton lots permitted to obtain quantity price.

One in a corrugated carton.

VENTILATING OR EXHAUST

POLAR CUB



No. B-94

Complete with 6-inch fan. Ideal for kitchens, bathrooms, laundries and any other room in the home where odors, steam or smoke collect.

It is only necessary to insert it in the top of the window, extending it to the required length, attaching the cord to the electric light socket, and the ventilator is ready for work.

Equipped with a standard Polar Cub Universal Motor, 110 volts, A. C. or D. C., high grade varnished and shellaced extension boards.

Wood cleated on each end of boards to prevent warping.

Length of cord, 8 feet; plug, 2-piece separable.

All parts dipped and baked in black japan; motor finished in rubber enamel black; natural wood varnished and shellaced boards.

Extends 18¼ to 31½ inches. Width, 8¼ inches.

No.	Wt. each	Each
B-94	5 lbs.	$1.98

Six in a carton.

VENTILATING OR EXHAUST

ROBBINS & MYERS

Remove all the fumes and odors which might be distasteful or injurious to the health, and draw in a constant supply of fresh air.

For mounting in walls or partitions and exhausting into open space (free air). Bearings provided with hardened steel end thrust washers, thus making fans suitable for vertical operation, upward or downward discharge.

Drawn steel motor frames. Motor and fan blades mounted in a rigid support complete and ready to fasten to the wall or ceiling. Fully enclosed; dust and moisture-proof.

When working against free air the 12-inch fan will displace approximately 1000 cubic feet of air per minute; the 16 inch fan will displace 1550 cubic feet. When working against back pressure or other obstruction to free air, the displacement will, of course, be reduced.

12-inch size—diameter of fan blades, 12 inches; diameter of ring, inside, 13¾ inches; outside, 16 inches. 16-inch size—diameter of fan blades, 16 inches; diameter of ring, inside, 17¾ inches; outside, 20 inches.

Motor and supporting ring finished in baked black enamel. Fan blades of brass, polished and lacquered.

A. C., 60 Cycles, 110 Volts

No.	Dia. of blades	Watts	R. P. M. free air	Ship. wt., each	Each
4054	12 in.	54	1500	19 lbs.	$31.55
4079	16 in.	85	1600	23 lbs.	35.20

D. C., 110 Volts

No	Dia. of blades	Watts	R. P. M. free air	Ship. wt., each	Each
4001	12 in.	55	1550	16 lbs.	$31.25
4026	16 in.	75	1500	20 lbs.	34.75

Note—Fans for operation on 220 volts can be furnished from San Francisco stock.

CEILING

ROBBINS & MYERS

A. C., 60 Cycles, 110 Volts, 145 Watts

Four 56-inch reversible hardwood blades, polished mahogany finish. Three speeds. Black enameled induction type self-starting motor, canopy, hanger rod and blade shanks. Supplied with ceiling canopy, hook, insulated hanger and adjustable hanger rod. Motor housing and hanger drilled and tapped for standard ¾-inch iron pipe or conduit for use as hanger rod.

Motor not wired for lights nor furnished with electrolier attachment, but switch casing below blade carrier has four neatly plugged holes suitable for standard ⅜-inch brass fixture pipe connection, and customer can easily wire motor and attach electrolier fittings for lights if desired.

No.	Speed, R. P. M. High	Med.	Low	Ship. wt., each	Each
3219	225	175	145	70 lbs.	$56.50

D. C., 110 Volts, 145 Watts

Four 56-inch reversible hardwood blades, polished mahogany finish. Three speeds. Black enameled self-starting motor, canopy, hanger rod and blade shanks with two gilt lines around motor body. A four-point, three-speed switch, fitted in casing at the upper end of motor, serves to start and stop fan as well as to regulate its running speed. Supplied with ceiling canopy, hook, insulated hanger and adjustable hanger rod. Motor housing and hanger drilled and tapped for standard ¾-inch pipe or conduit for use as hanger rod.

Since shaft revolves with armature, motor is not suited for wiring for electrolier fittings.

No	Speed, R. P. M. High	Med.	Low	Ship. wt., each	Each
B-265	225	180	135	68 lbs.	$56.50

All above, one in a box.

FANS

ROBBINS & MYERS

SPECIFICATIONS—NON-OSCILLATING AND OSCILLATING TYPES

Frames. With the exception of the No. 3504, 8-inch fan which has a cast iron frame, the base, motor frame and end heads of all oscillating and non-oscillating fans are drawn from heavy sheet steel. This construction makes the fans light in weight, easy to handle and effects a considerable saving in transportation costs.

Bearings. The bearing hubs of the drawn steel fans are of cast iron, except No. 4100, in which they are white metal. They are inserted through holes in the steel end heads and are attached to them by screws. The bearing hubs can be removed at any time by simply loosening the screws which hold them in place.

The bearing bushings are phosphor bronze and are pressed into the hubs, except in No. 4100, in which the bushings and hubs are of die cast white metal. After the hubs are attached to the end heads, both bushings are reamed out at the same time by a reamer with aligning pilots, insuring exact alignment of the bearings.

Bushings can easily be removed and replaced without special tools of any kind

An annular groove in each end of the hub collects the surplus lubricant which may run out of the bearing. A small duct leading from this groove conducts the lubricant back to the grease cup and makes it impossible for any lubricant to run out of the bearings

The bearings are lubricated by wick oilers. A spring holds the wick against the shaft, and a guide through which the wick passes insures that the wick will be in the proper position at all times. The bearings are large and substantial. This, together with the positive method of lubrication, insures long life. All types have an oil cup for the bearing at each end of the motor. The cups are filled with a selected grade of hard oil when the fan leaves the factory. This is sufficient for service one season.

The No. 3504 8-inch fan bearing is essentially the same as the others, except that the hubs are integral with the cast iron end heads. They are lubricated by wick oilers and the bushings are phosphor bronze

Oscillating Mechanism. The oscillating mechanism permits the fan to be changed from fixed to oscillating operation of any desired sweep, simply by turning a knob on the edge of the propeller plate.

The gear mechanism is mounted in a horizontally split, grease-tight gear box, the upper half of which is integral, with the bearing hub of the motor. This box is packed with hard oil before leaving the factory and need not be repacked until the beginning of the second season of service. The screw type stuffing box, through which the shaft carrying the propeller plate passes, is packed with a felt washer which prevents any of the lubricant leaking out.

Swivel and Trunnion. The vertical and horizontal adjustments of the non-oscillating fans are obtained very easily By loosening the lower wing screw the fan can be tilted forward or back, and by means of the upper wing screw any desired horizontal adjustment can be obtained.

The Nos. 3000, 3504 and 4100 fans have one wing screw only for adjustment forward and back and do not have the horizontal adjustment.

Switch. Is so constructed that pressure on the lever does not affect the contact. It moves over a deeply notched metal strip, which insures positive "off" and "speed" positions.

Blades. The blade design of the 1925 fans is such that excellent air delivery is obtained. With the exception of Nos. 3504 and 4100, which have steel blades, the blades of all oscillating and non-oscillating fans are made of heavy sheet brass, firmly riveted to a punched steel carrier, which insures uniform pitch for all blades. The shape of the blades and the pitch are carefully determined to give the maximum breeze with lowest wattage and least noise. The blades are carefully balanced.

Guard. A heavy steel guard is used, which is supported by four punched steel arms. The strength and rigidity of the guards are such that they provide the best means for carrying the fans.

Base. The base flares out to a wide diameter, which makes it practically impossible to overturn the fans accidentally. The drawn steel disc which covers the base and supports the speed regulating device, is covered with a felt pad on all fans, except No. 3504, which has rubber feet. This permits the fans to be placed on highly polished surfaces without danger of marring the finish.

Finish. The motor frames and bases of all Non-oscillating and Oscillating Fans are finished in two coats of gloss-black enamel, baked on and relieved with gilt lines, except in Nos. 3504 and 4100. The guards are of steel, finished in baked black enamel. The blades of all fans, except Nos 3504 and 4100, are of brass, polished and lacquered. The steel blades of Nos. 3504 and 4100 are oxidized finish.

Air Distribution. Fans are sometimes incorrectly judged by the velocity of the breeze they produce. The blade construction of a fan may be such as to impart a high velocity to the air while the cone of air leaves the blades at a very narrow angle. The area it affects and the volume of air moved is consequently low. To stand directly in front of such a fan, however, one would get the impression that it is more powerful than another fan which gives relatively low velocity but throws the air out from the blades at a wider angle and moves a greater volume.

A high velocity breeze may really be objectionable and unpleasant if one remains in it any length of time. Then, too, high velocity is usually accompanied by a disagreeable air hum.

The greatest comfort from a fan is obtained with a gentle breeze of large volume and wide distribution such as is obtained with Robbins & Myers Fans.

Wattage Consumption. All parts of Robbins & Myers Fans are designed scientifically, both electrically and mechanically. This, together with the accurate machining and careful workmanship which goes into every detail, insures smooth operation and low wattage consumption for the breeze produced.

Speeds. Fan speeds and watts may vary 10% from those given in the tables

Voltage Range. All of the direct current and universal fans will operate on voltages 10% higher or lower than the normal 110 volts, and 5% higher or 10% lower than the normal 220 volts

All of the alternating current induction fans will operate on voltages 10% higher or 5% lower than the normal 110 or 220 volts.

Cords and Plugs. All Robbins & Myers Non-Oscillating and Oscillating Fans listed are regularly furnished with eight feet of cord and screw base separable plug for connection to any lamp socket.

Appearance. The smooth drawn steel frame, the graceful, well balanced design and the flawless enamel finish of the Robbins & Myers Fan, give it an appearance which makes it stand out conspicuously and impress the prospective buyer favorably. It is a high grade, reliable fan which looks the part. Dealers find that the fine appearance of the fan is a very effective sales help.

Silver Finished Mesh Bags

The very latest and most popular styles in mesh bags, with plain and embossed frames—two ball clasp, close mesh, 14-inch fancy chain handles. Bottoms finished with fancy tassels, bangles, pendants etc., as shown in illustration. Big values at small cost.

Mesh Bag, fine armor link, French gray frame, Cable link chain. Size 2¼x5 inches with 1¾ in. tassel.

No. 85J24. Silver finish.
Per dozen 16.00
Each 1.35

No. 85J25. Green gold finish.
Per dozen 18.50
Each 1.65

Mesh Bag, silver finish, fine armor link, French grey frame, cable link handle, 2½ inches wide, 5½ inches long.

No. 85J67. Each... 1.35

Mesh Bag, round frame, armor mesh, sapphire set clasp, frame 2¼ inches, length 4¼, tassel 1⅝, heavily silver plated, an entirely new effect with mirror inside of top.

No. 85J46. Each... 2.25

Mesh Bag, fine armor link, frame of open work design, cable link chain Length 5½ in, width 2½ inches.

No. 85J68. Each... 2.25

LADIES' STYLE

Mesh Bag

Heavy Armor Mesh

Mesh Bag, silver plated, fine armor mesh, frame open work design, cable link chain Width 3 inches, length 6½ inches.

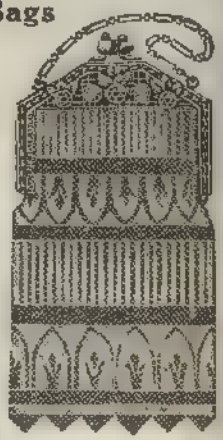
No. 85J69. Each... 3.00

Fishscale Tapestry Mesh Enameled Bags

The Very Latest Novelty in Mesh Bags

Mesh Bag, Fishscale mesh, 3" fancy frame tapestry mesh enamel, blue and white jewel clasp, Boston link chain.

No. 85J117. Each 2.50



Mesh Bag, fine armor link chain, frame 3⅜" open work jeweled frame, set with 3 fine cut stones with the tapestry enameled in green and white, jeweled clasp. Gray satin lining

No. 85J118. Each 4.25

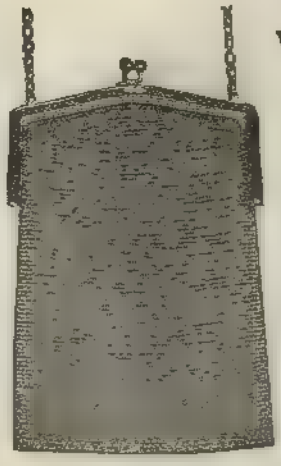
Mesh Bag, Fishscale tapestry mesh, enameled white and blue, fancy open work frame, jeweled clasp and stone set, with gray satin lining, frame 4 in

No. 85J119. Each 6.50

Fine Quality Silver Mesh Bags

Soldered and Unsoldered Links

No. 85J104



No. 85J107

The Product of Whiting & Davis

Your assurance for long and satisfactory service is the WHITING & DAVIS trade mark stamped on every bag.

No. 85J106

No. 85J109

PICCADILLY MESH BAGS WITH VANITY CASES

Piccadilly Mesh Bag, fine wire mesh, heavily silver plated, length 7½ in. with a small vanity attached to the top, by pulling down a lever showing a mirror and powder puff enclosed, Boston link chain handle.
No. 85J100. Each ... 6.25

Mesh Bag, heavily silver plated, oxidized fancy frame 2½ inches, depth 5 inches.
No. 85J104. Each ... 1.75

Mesh Bag, heavily silver plated. French grey frame 4 inches, depth 5 inches.
No. 85J107. Each ... 2.15

Mesh Bag, heavily silver plated. French grey frame 3¾ inches, depth 5 inches.
No. 85J106. Each ... 2.15

Mesh Bag, heavily silver plated, fancy frame 3 inches, depth 6½ inches.
No. 85J109. Each ... 2.40

Mesh Bag, high grade silver finish, embossed frame 5 inches, depth 6 inches.
No. 85J110. Each ... 2.40

No. 85J110

Fine Quality Silver Mesh Bags

Soldered and Unsoldered Links

The highest attainments in quality, beauty of design and craftsmanship has been reached in this line of mesh bags.

The Product of Whiting & Davis

No. 85J108

No. 85J112

No. 85J113

No. 85J114

Mesh Bag, German silver, very fine mesh. Frame 3¼ inches, depth 6⅛ inches.

No. 85J108. Each..... **2.85**

Mesh Bag, heavily silver plated, fancy shaped frame 3½ inches, depth 7 inches Soldered baby mesh, very fine weave.

No. 85J112. Each **7.25**

Mesh Bag, soldered link, heavily silver plated very fine baby mesh, fancy frame 3 inches wide, 7½ inches deep.

No. 85J113. Each..... **7.35**

Mesh Bag, heavily silver plated, soldered link, very fine mesh, fancy frame, sapphire catch with a braided chain handle, depth 7½ inches.

No. 85J114. Each..... **9.25**

Mesh Bag, heavily silver plated, fine baby mesh soldered link frame 3⅝ inches depth 6½ inches.

No. 85J115. Each..... **10.50**

No. 85J115

PICADILLY MESH BAGS WITH VANITY CASES

Armored Mesh Bag, heavy silver plated length 7½ in., with a small vanity attached to the top, by pulling down a lever showing a mirror and powder puff enclosed

No. 85J101. Each..... **7.25**

STEELCRAFT JUVENILE TOYS

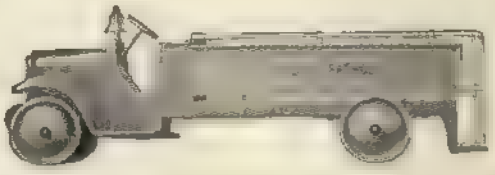
GMC TRUCK STANDARD TYPE

Standard Type Miniature GMC Trucks. Similar in appearance, and just as reliable, these trucks of a heavy automobile steel reinforced construction, electrically spotwelded throughout are unsurpassed for sturdiness and simplicity of operation. These unexcelled features of truck construction, combined with such practical items as rubber tires, disc wheels, etc., afford a truck with the appearance of the real GMC truck and of such ruggedness as to defy damage under the hardest usage. The Firestone rubber tires identical in design to those used on the large truck, offer shock absorbing qualities on rough pavements, and permit the use of the truck in the home by eliminating the possibility of the scratching or marring of polished floors.

Specifications: Length over all, 26 in.; length of body, 14½ in.; width of body, 6½ in.; depth of body, 2⅛ in.; capacity, 1/10 ton. Channel steel frame (extra deep and heavy). Wheels are double disc, heavy steel. Front and rear are solid rubber Firestone tires. Body has gray baked enamel finish; chassis, radiator, hood, cowl, seat and fenders have black baked enamel finish. Wheels have red baked enamel finish; steering gear, direct connected (extra strong sturdy wheel). Shipping weight, 12 lbs.

Steelcraft GMC Standard Miniature Truck....each $5 40

GMC POLICE PATROL



GMC Police Patrol. A toy of an exceedingly pleasing appearance and at the same time is so sturdily constructed that it will withstand the hardest of usage. The details in design and its colorful finish are of exceeding interest to the child. The patrol is of a heavy automobile steel reinforced construction, electrically spotwelded throughout. With this sturdiness of construction are featured such practical items as rubber tires, disc wheels, brass bell, large steering wheel, brass rail around body. The Firestone rubber tires permit the use of the patrol in the home where it is an all-year-round toy as it will not scratch or mar the polished floors.

Specifications: Length over all, 26 in.; length of body, 15½ in.; width of body, 6½ in.; frame, channel steel (extra deep and heavy); wheels, double disc, heavy steel; Tires Firestone front and rear, solid rubber; finish, fire engine red, baked enamel; steering gear, direct connected (extra large, sturdy wheel); bell and railing, brass; shipping weight, 12 lbs. each. Packed in individual cartons six in standard crate.

Steelcraft GMC Police Patrol ....each $7 00

GMC TRUCK—DUMP TYPE

Dump Type Miniature GMC Trucks. Similar in appearance and just as reliable, these trucks of a heavy automobile steel reinforced construction, electrically spotwelded throughout are unsurpassed for sturdiness and simplicity of operation. The Firestone rubber tires identical in design to those used on the large truck, offer shock absorbing qualities on rough pavements, and permit the use of the truck in the home by eliminating the possibility of the scratching or marring of polished floors. The Dump Truck features a patented dumping mechanism of exceeding delight to the children.

Specifications: Length over all, 26 in.; length of body, 14½ in.; width of body, 6½ in.; depth of body, 2⅛ in.; capacity, 1/10 ton; frame, channel steel (extra deep and heavy). Wheels, double disc, heavy steel. Tires, Firestone, front and rear, solid rubber; finish, body, gray baked enamel; finish, chassis, radiator, hood, cowl, seat and fenders, black baked enamel; finish, wheels, red baked enamel; steering gear, direct connected (extra strong, sturdy wheel); dumping mechanism, sturdy screw type, holding each front corner of box. Shipping weight, 12 pounds each.

Steelcraft Miniature GMC Dump Truck.....each $6 30

GMC TANK TRUCK

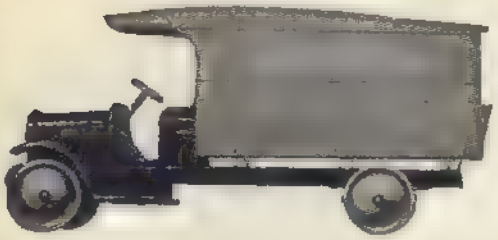
GMC Tank Truck. Every detail has been carried out to produce in miniature an exact replica of the famous GMC Tank Truck seen daily on the streets, making it of exceptional appeal to the child. The truck proper is built throughout of the highest grade heavy automobile steel, reinforced and electrically spotwelded. The tank is similar to those on the larger trucks and is constructed of heavy coated steel so that it will not leak or rust. It is equipped with filler and outlet connections which are very practical, and will not get out of order in the hands of a child. Attention is called to the particular features of Steelcraft construction, disc wheels, extra heavy channel steel frame, large heavy steering wheel, baked enamel finish and also that all wheels are rubber tired. The Firestone tires are similar to those on the large trucks and are an added factor in the popularity of this truck, because they permit the use of the truck in the home.

Specifications: Length over all, 26 in.; length of tank, 15 in.; width of tank, 6 in.; depth of tank, 4⅜ in.; capacity, 1.4 gal.; tank, non-leakable; frame, channel steel; wheels, double disc, heavy steel; tires, Firestone solid rubber; finish, tank, gray enamel; finish, chassis, black baked enamel; finish, wheels, red baked enamel; steering gear, direct connected; shipping weight, 13 lbs. each. Packed in individual cartons, six in standard crate.

Steelcraft GMC Tank Truck.....each $7 20

STEELCRAFT JUVENILE TOYS

GMC MOVING VAN



GMC Moving Van. An exact replica in miniature of the moving vans seen in daily use on the street. The truck proper is of the usual Steelcraft construction being of the highest grade heavy automobile steel reinforced and electrically spot welded. The Van part is also of stamped steel and conforms exactly to the large moving van. It is commodious and has a drop tail gate which is as on the large vans. All the construction is such as will withstand the hardest of usage. Attention is called to the fact that along with its very sturdy construction all the wheels are rubber tired. The Firestone rubber tires permit its use in the home without the marring of polished floors and makes it an all-year-round plaything.

Specifications: Length of body, 26½ in.; width of body, 14½ in.; frame, channel steel; tires, Firestone front and rear, solid rubber; shipping weight, 13 lbs. each; finish, hood, cowl, seat, and chassis, black baked enamel; finish, body, fawn baked enamel; finish, wheels, red baked enamel; steering gear, direct connected (extra strong sturdy wheel). Packed in individual cartons, six in standard crate.

Steelcraft GMC Moving Van.....each $7 20

GMC TRACTOR AND TRAILER

GMC Tractor and Trailer in Miniature. A 2 in 1 Toy Truck. A plaything that is so sturdily constructed that it will defy damage under the hardest of use or abuse. It is built throughout of heavy automobile steel and every part is electrically spotwelded. Combined with this unusually sturdy construction are such practical features as disc wheels, baked enamel finish and solid rubber Firestone tires. Added items which contribute to the popularity of this plaything with the children are the ingenious contrivance connecting the tractor and the trailer proper, and the mechanism operating the prop to support the trailer body when disconnected. Both devices are practical in every detail and will not get out of order. Equipped with Firestone rubber tired wheels.

Specifications: Length over all, 29½ in.; length of body, 14½ in.; width of body, 6½ in.; depth of body, 2⅛ in.; capacity, ⅛0 ton; frame, channel steel (extra deep and heavy); length of tractor, 17⅞ in.; length of trailer, 10½ in.; shipping weight, 14 lbs. each, wheels, double disc, heavy steel; tires, Firestone, solid rubber; finish, chassis, black baked enamel; finish, body, gray enamel; finish, wheels, red baked enamel; steering gear, direct connected (extra large, sturdy wheel); trailer prop, with raising and lowering mechanism; trailer coupling, spring universal action.

Steelcraft GMC Trailer and Tractor.....complete $7 80

THE STEELCRAFT line of wheel goods opens an entirely new field for greatly increasing your business.

They constitute a distinct innovation that will be welcomed by every buyer.

A full appreciation of what Steelcraft engineers have achieved is impossible without an inspection of the product. They must be seen to be appreciated. When the prices of the various models are balanced against the models themselves, you will readily appreciate and see in these the most attractive offering of the year.

They have been engineered and designed with principles of automotive practice, and mass production has been applied in the building of same. This is all reflected in their durability and price.

Steelcraft toys are built entirely of steel. Bodies are fabricated from automobile sheet steel stock, riveted or spotwelded together which is the last word in construction

Fenders are stamped out of heavy gauge real fender steel and covered with a baked on, lasting coat of enamel. All body finishes are in colored enamel, baked on, no paint or varnish being used.

They ride and drive with ease and comfort of a standard automobile.

This is due to the fact that they have real automobile spring suspension. These springs are made of high carbon, tempered spring steel and are so strong and resilient that a grown man can jounce up and down on the running boards.

Pedals are adjustable for children from 3 years to 10 years of age.

Space does not permit us to detail all of the outstanding features, such as roller bearings, over-size rubber tires, padded seat cushions, real nickel plating, real windshields, real running boards, and many other accessories.

Steelcraft prices are closely competitive regardless of the obvious quality of the product.

STEELCRAFT JUVENILE TOYS

SCOOTER—WITH BRAKE

No. Y-1 Steelcraft Scooter. Large size with brake. Dimensions, height from ground 34 inches; length over all 42 inches. Exceptionally heavy steel frame designed to have steel platform slightly lower at rear end. Front fork is heavily raked toward rear to eliminate trickiness and with a slanting platform produces an exceptional speedy "feel". Handle is of hardwood, good grip, and has rubber mat on foot section to prevent slipping.

Equipment. Wheels, 12 inches with 1 inch rubber tires wired on, with self contained roller bearings; brake, simple and powerful brake on rear wheel operated by rider's heel; finish, all metal parts are attractively enameled, and are baked at a temperature to secure a permanent finish; platform, heavy steel with black rubber mat secured with nickel plated rivets; stand, stud to hold scooter upright when not in use; packing, packed in dustproof cartons, six in standard crate. Shipping weight 19 lbs. each.

No. Y-1 Steelcraft Scooter. . . . . . each $6 60

SCOOTER—WITHOUT BRAKE

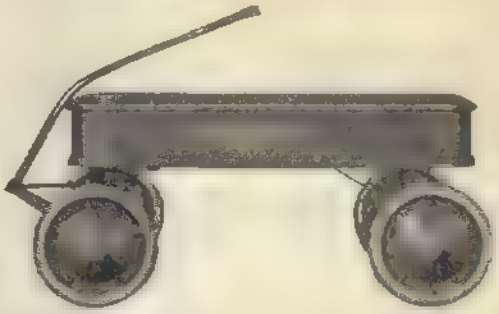
No. Y-2 Steelcraft Scooter. Dimensions, height from ground, 31 inches; length over all, 37 inches. All steel extra heavy frame and platform. Frame is designed to have the steel platform slightly lower at the rear end. Front fork is heavily raked toward rear to eliminate trickiness, and with a slanting platform produces an exceptional speedy "feel".

NOTE—Standard No. Y-2 Scooter is without brake.

Equipment. Wheels 10 in. with ¾-inch tires wired on rim with self contained roller bearings; finish, all metal parts are attractively enameled, and are baked at a temperature to secure a permanent finish; platform, heavy steel; stand, stud to hold scooter upright when not in use; packing, packed in dustproof cartons six in a standard crate. Shipping weight 17 pounds each.

No. Y-2 Steelcraft Scooter (without brake)...each $4 70
No. Y-2 Steelcraft Scooter (with brake)..... " 5 15

SPEED BOY COASTER WAGON



Speedboy Coaster Wagon. Wagon box, heavy stamped steel headed to obtain maximum stiffness; rounded corners and lock seam bottoms, cannot come apart and will stand excessive hard usage; wheels, double disc; heavy steel type disc rigidly riveted together; roller bearings; self-contained hardened roller bearings, free of friction and a guarantee of service and easy running; rubber tires, of highest grade rubber wired on the wheel in a deep channel; hub caps automobile type, put on with spring and cap wrench which is furnished with each wagon. The wood is stained [illegible]. Extension steering handle in front of the wagon to enable a comfortable position for the rider to steer with the hand when coasting. All parts of Steelcraft Speedboy Coaster baked enamel finish.

	No. X-1	No. X 2
Size Body	14"x34"	12"x28"
Size of Wheels	10½"	9"
Rubber Tires	1"	¾"
Shipping Weight	30 lbs	30 lbs
Speedboy Coaster Wagons	each $8 35	7 20

MARION STEAM SHOVEL

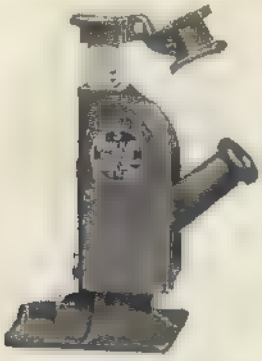
Marion Steam Shovel is not just a fragile toy, but is a real mechanical device, [illegible] stand up under the hardest of usage, and to perform [illegible] as the larger one. Extreme care has been paid to the [illegible] functioning as well as in construction. The shovel proper raises and lowers readily—it can be made to automatically release sand at any height desired. The entire body swivels easily on the base, enabling the bucket to be emptied in any position. The large casters roll readily and the shovel [illegible] as desired. [illegible] of heavy stamped steel.

Specifications [illegible] all height, 14 inches; width, 7 inches, height, [illegible] inches; [illegible] of shovel; finish, boom, shovel and base, black baked enamel; shipping weight, [illegible] lbs. Packed in standard cartons, six in standard crate.

Steelcraft Marion Steam Shovel.....each $5 25

WALKER JACKS

WALKER RATCHET TRUCK JACK



No. 5 Walker Badger Jack. Designed for 3-ton motor trucks. Drop forged pawls and a case hardened steel rack provide ample strength. Bearings are heavy, average grease. All working parts machined in jigs. Extra large base. 17-inch handle. Height, 10 inches; raise, 6 inches, capacity, 3 tons; extension cap, 1½ inches weight, 13½ pounds. Double cap gives two lifting heights.

No. 5 Walker Ratchet Truck Jack..... each $8 25

WALKER RATCHET TRUCK JACKS

No. 55 Ratchet

No. 475

No. 55 Walker Badger Jack. For heavy duty. One-piece rack bar and foot lift and also lifting pawls are drop forged and casehardened. Large 5x8-inch base. 30-inch hickory handle. Height, 14 ½ inches raise, 6¼ inches; height of foot, 8¼ inches; capacity, 5 tons. Weight, 32 pounds.

No. 55 Walker Ratchet Truck Jack..... .....each $17 50

No. 475 Walker Badger Jack. Built for the heaviest trucks. Best of materials are used—high carbon steel gears, pinions, pawls and racks, and nickel steel parts, which parts are specially treated. Gears and pinions are machined from forged blanks. Small parts are machined on special jigs. Compounded gears enable one man to lift the capacity of the jack with the 18-inch handle. Height, 13 inches; raise, 6¾ inches; capacity, 7½ tons; weight, 33 pounds.

No. 475 Walker Ratchet Truck Jack.....each $23 50

NEW WALKER JACKS

No. 605

No. 216

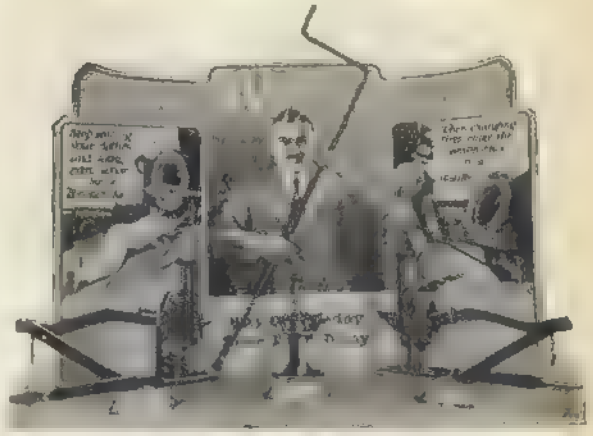
No. 605 Walker Jack. A new type steel jack, designed especially for the new Ford cars. One of the features of this jack is its peculiar type of flip cap. Ford cars come through equipped with cord tires, but if the purchaser desires balloon equipment he simply tilts the flap to the rear, making the jack low enough to handle the Ford equipped with balloon tires. The jack is baked enamel inside and out to prevent rusting. Height, 8½ inches; flip cap, 2 inches; raise, 5⅛ inches; capacity, ⅝ ton; weight, 5 pounds.

No. 605 Walker Jack for Ford.. ...each $1 60

No. 216B Walker Improved Screw Jack. Meets the needs of 1-ton truck drivers and owners of speed wagons. Ball bearing race way is an added feature to this jack, making it easy to operate. Placed under the axle, a few easy strokes and up goes the car and its load. Height, 10 inches; raise, 6 inches; capacity, 2½ tons; weight, 8 lbs.; diameter of screw, 1 inch.

No. 216B Walker Improved Screw Jack . . each $4 25

NEW WALKER WINDOW DISPLAY

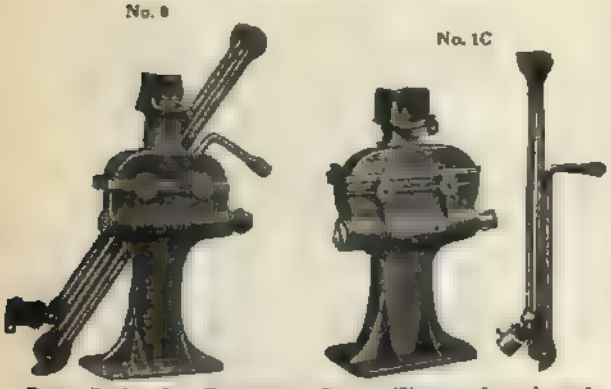


Walker Window Display. Free to dealers buying ten balloon tier jacks. The assortment consists of 3 No. 605, 3 No. 620 and 4 No. [illegible] list price $41[illegible] complete with the ten jacks. The window card has [illegible] panels, and the entire piece is lithographed in eight colors. One of the beauties of this assortment is that the jacks that go with the assortment will not only handle any balloon tire, but will also take care of any type of tire. It is a real advertising feature for the dealer.

Walker Window Display....Free With Above Assortment

REES JACKS

REES PASSENGER CAR JACKS



Rees Jacks for Passenger Cars. The preferred jacks with the Rees Double Worm Gear Drive, four working parts. This principle multiplies the leverage applied; end thrust and side strain are eliminated, friction is reduced to a minimum. Light in weight for its lifting capacity. Furnished with 4-foot folding handle.

	No. 8	No. 1C
Capacity .....tons	1	2
Height, without 1¼-inch cap.....in.	9¾	10
Lift .....in	6	6
Weight .....lbs.	9½	13
Each	$5 50	8 50

REES BALLOON TIRE JACK

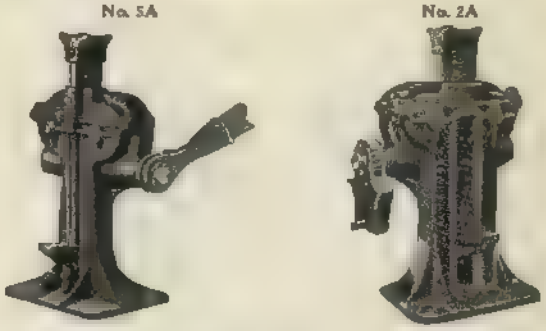
Model No. 102 Rees Jack. For cars equipped with Balloon tires. Operated by a long folding handle connected to the jack with a universal joint, permitting it to be easily operated without crawling under the car.

Capacity .....tons	2
Height .....in.	6½
Lift .....in	8½
Weight .....lbs.	9¼
No. 102 Rees Balloon Tire Jack... each	$7 00

DEALER'S DISPLAY STAND

This dealer's display stand gives the dealer's customer the opportunity to operate and examine the jack. One of these stands furnished with initial order of six or more jacks.

REES TRUCK JACKS



Model No. 5A Rees Truck Jack. For ½ to 1 ton speed wagons and light trucks, with pneumatic tires, when tire changes are frequent and service requirements particularly urgent. Built with foot lift. Lever bar is made in convenient form to use as a tire tool. This jack is also adapted to extra heavy passenger car or bus service. Six in package.

Capacity .....tons	2½
Height .....in.	10¾
Lift .....in.	6
Weight .....lbs.	14
No. 5A Rees Truck Jack..... each	$10 00

Model No 2A Rees Truck Jack. For medium weight trucks. These jacks are of rugged construction wherein the double worm gear principle allows of great lifting capacity and range with minimum weight and effort of operation. These jacks have 6 foot lift, and are recommended for high efficiency and adaptability to many uses. Six in package.

Capacity .....tons	4
Height .....in.	11¾
Lift .....in	6
Weight .....lbs	22
No. 2A Rees Truck Jack ..... each	$12 50

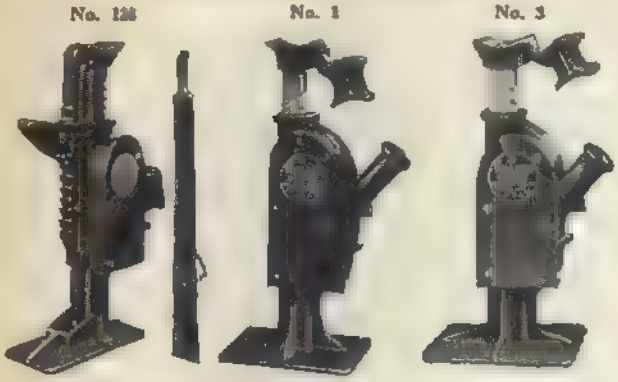
REES HEAVY DUTY TRUCK JACKS

Rees Heavy Duty Truck Jacks. Designed for heavy motor truck and tractor service. The double worm gear drive principle is employed in this, as in other Rees Jacks, but the jack is heavier throughout to handle loads up to six to ten tons easily and is equipped with foot lift.

	No. 3A	No. 21A	No. 25A
Capacity .....tons	6	10	10
Height .....in.	12¼	14¾	24
Lift .....in.	6	9	16
Weight .....lbs.	27	46	66
Each	$16 50	35 00	[illegible]

WALKER JACKS

WALKER BADGER JACKS



No. 126 Walker Badger Jack. Ideal jack for balloon tire equipped cars. The pumping type, 33-inch handle makes it easy to operate and the foot lift can be set at any desired height. Height, 10⅜ inches, height of foot, 3¾-9⅜ inches; raise, 7 inches; cap., 1 ton. Weight, 14 pounds.
No. 126 Walker Badger Jack.....each **$6 00**

No. 1 Walker Badger Jack. For light and medium weight cars. Large base. Double cap gives two lifting heights. Height, 9¾ inches; with cap, 11¼ inches; raise, 5¼ inches; capacity, 1,400 pounds. Weight, 7 pounds.
No. 1 Walker Badger Ratchet Jack.. . each **$3 50**

No. 3 Walker Badger Jack. Short stroke heavy pawls and positive reverse. Height, 10 inches; extension cap, 1½ inches; raise, 5½ inches; capacity, 1 ton. Weight, 9 lbs. Double cap provides two lifting heights.
No. 3 Walker Badger Ratchet Jack ..each **$4 50**

WALKER STEEL JACKS

No. 610 Walker Steel Jack. A sturdy little tool for light cars. One-piece heavy steel frame, has oil tempered round springs and steel rack with milled teeth, roll edge base will not bend. Black enameled baked finish. 12 inch handle. Height, 9¼ inches; raise, 5¾ inches; capacity, ¾ ton. Weight, 4½ pounds.
No. 610 Walker Steel Ratchet Jack . . . . each **$1 25**

No. 600 Walker Steel Jack. Bridge type construction, giving an absolutely rigid frame. Well braced and heavy base. Rack bar is cut steel. Simple raising and lowering mechanism. 15-inch handle. Height, 10 inches, raise, 6½ inches; capacity, 1 ton. Weight, 5¼ pounds.
No. 600 Walker Steel Ratchet Jack.....each **$1 60**

No. 620 Walker Steel Jack. An adjustable foot lift jack to be used on smaller cars equipped with balloon tires, as well as any type or size of cord or fabric tires. Height, 10 inches; height of foot, 3 inches to 9½ inches; raise, 7 inches; capacity, 1 ton. Weight, 7 lbs.
No. 620 Walker Steel Jack.. . . . . each **$3 50**

WALKER SCREW JACKS

Walker Screw Jacks. No. 266 is designed to lift the heaviest trucks, No. 251 for 2 and 3 ton trucks

No.	Ht., In.	Raises, In.	Weight, Lbs.	Capacity, Tons	Each
266	10-13	5⅝	31¼	6	$11 00
251	10-12½	6⅝	17½	3	9 25

WALKER BLUE BOY JACK

No. 125 Walker Jack. An all-purpose jack for all service work. Applicable to the widest possible range of jobs. Its broad base makes it unusually sure-footed. Height, 10½ inches; height of foot, 4⅝ inches; raise, 7 inches; capacity, 2 tons. Weight, 20 pounds.
No. 125 Walker Jack.
Each **$10 50**

WALKER SCREW JACK

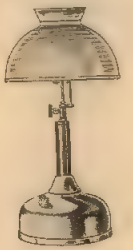
No. 520 Walker Jack. This jack with telescoping screw meets the new lifting problems. Designed for cars with the largest balloon tires, low axles; for cars with trunk, gas tank, spare tires, bumpers and other accessories which make the rear axle hard to reach. Height, 7½ inches, raise, 8½ inches; diameter of screw, 1⅛ ¾ inches; capacity, 1 ton. Weight, 9 pounds
No. 520 Walker Jack... . . . . each **$5 25**

COLEMAN QUICK-LITE LAMPS

Burns common gasoline; 300 candle power. Gives a strong white light. Match lighting burner, no torch required. Capacity, 3 pints. Diameter of fount, 8 inches; height, 20 inches. Finish, nickel plate.

No. C-329

No. C-324

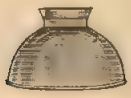


No. C-334

No. F-335-A

No.	Style of shade	Shipping wt. each	Each
C-329	White opal, special	10 lbs.	$12.50
C-324	Decorated mellotone	10 lbs.	14.00
C-334	White enameled steel	10 lbs.	15.00
F-335-A	Dark green Flemish brass fount, light green shade with fringe	12 lbs.	18.00
666	De Luxe lamp and base only, rich gold bronze	16 lbs.	14.00
336	De Luxe amber art glass shade only	16 lbs.	14.00

EXTRA SHADES



No. 334

No. 335-D

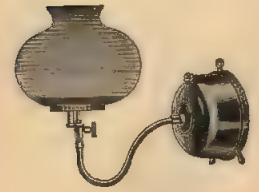
No.	Style	Wt. each	Each
329	White opal special	3 lbs.	$2.00
316	Clear	3¾ lbs.	2.70
321	Crystal	3¾ lbs.	2.70
318	Tan tinted	3 lbs.	3.50

No.	Style	Wt. each	Each
324	Decorated mellotone	3 lbs.	$3.50
334	White enameled steel	6 lbs.	4.00
335-A	Green tinted fringed	6 lbs.	5.50
335-D	Tan tinted decorated beaded fringe	6 lbs.	5.80

All lamps packed one in a carton, complete with shade, two mantles, wrench, hanger, cleaning pick and extra generator.

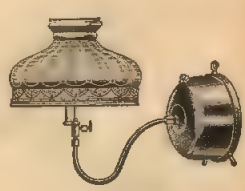
All shades packed six in a carton or case.

BRACKET LAMPS



No. B-321

A Quick-Lite Wall Lamp for use over desks, in bathrooms, kitchens or rooms with low ceilings. Can also be used as a table lamp. One in carton, complete with two mantles, pump, wrench, cleaning pick and extra generator.



No. B-329

Finish, nickel plate. Three-quarter frosted globe Capacity. 3 pints. Diameter of fount, 7 inches.

No.	Height	Shipping wt. each	Each
B-321	13 in.	13½ lbs.	$14.00

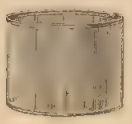
Finish, nickel plate. Opal panel style shade. Capacity, 3 pints. Diameter of fount, 7 inches.

No.	Height	Shipping wt. each	Each
B-329	13 in.	15 lbs.	$13.50

COLEMAN QUICK-LITE LANTERNS

No. L-327

MICA CHIMNEY



No. 323

No. L-327

Burns common gasoline, 300 candle power. Match lighting burner, no torch required. Diameter of fount, 6 inches. Finish, nickel plate.

Lights through a door in the reflector. Holds 2 pints, burns 12 to 15 hours on one filling and is guaranteed to burn in any wind.

No.	Height	Shipping wt. each	Each
L-327	14 in.	6 lbs.	$10.50

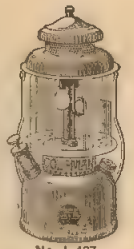
One in a carton.

MICA CHIMNEYS—WITH REFLECTOR

No	Wt. each	Each
M-327	2 ozs	$1.20

Twelve in a carton.

No. L-427



No. L-427

Same general appearance as No. L-327 with the addition of the following feature.

Built-in Pump—Screws into the lantern fount. Never is loose to get lost or damaged. Operates on the principle of delivering air above the gasoline line in the fount. This keeps gasoline out of pump barrel thus preventing damage to plunger leather and eliminating the annoyance of having gasoline thrown out of the top of the pump on the upward stroke.

No.	Height	Shipping wt. each	Each
L-427	14 in	6 lbs	$12.00

One in a carton.

MICA CHIMNEYS

No.	Wt. each	Each
323	2 ozs.	$1.00

Twelve in a carton.

The Pump is Built INSIDE
You Cannot Lose It

JUSTRITE LANTERNS

Pump built inside cannot be lost. Burns common gasoline. 300 candle power. Burns 16 hours on one filling. Mica chimney, eliminating breakage. Wind, rain and bug-proof. Will burn in any position. Nickel plate finish.

No.	Height	Capacity	Shipping wt., each	Each
31	14½ in.	1 qt.	6 lbs	$12.00

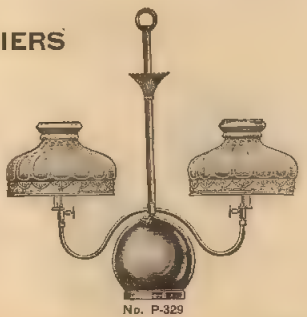
One in a carton.

COLEMAN QUICK-LITE CHANDELIERS

No. P-321

The Quick-Lite Chandelier is used for lighting stores, churches, school houses, and large residence rooms. It is supplied by a single seamless fount which holds six pints and is made of 18 gauge brass. On each arm is a Quick-Lite burner with universal shade holder. Either one or both may be lighted as desired. 600 candle power. Finish, nickel plate.

This fixture makes a great emergency light. Can be carried from place to place and used between the country church, school house and residence.

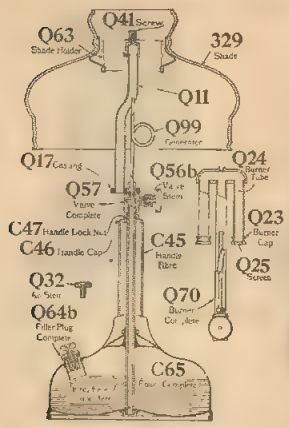


No. P-329

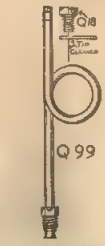
No.	Height	Shipping wt. each	Each
P-321	24 in	16 lbs	$24.00
P-329	24 in.	16 lbs	$24.00

One in a carton.

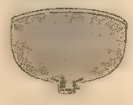
COLEMAN LAMP EXTRAS



GENERATOR

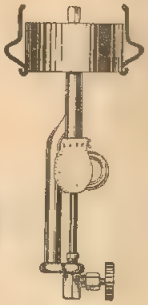


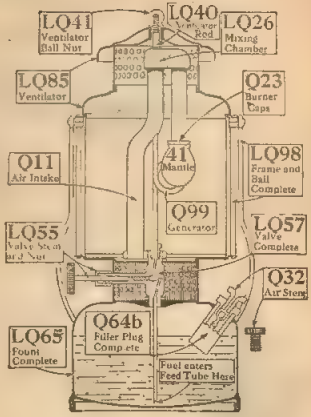
BUG SCREEN



No. 333

QUICK LITE BURNER





No		Per 100
Q11	Burner Support Tube	$ 80.00
Q18	Gas-tip for Quick-Lite Generator for all Coleman lamps and lanterns	12.00
Q23	Burner cap and screen for all Coleman lamps and lanterns	30.00
Q24	Burner tube for all Coleman lamps and lanterns	24.00
C36	Lead gaskets for all Coleman lamps and lanterns	12.00
Q41	Shade holder screw for CQ, BQ and PQ lamps	12.00
C45	Handle	80.00
C46	Handle cap	16.00
Q56B	Valve stem and nut	50.00
Q57	Valve for CQ, BQ and PQ lamps	110.00
Q63	Shade holder for CQ, BQ and PQ lamps	44.00
C64B	Filler plug complete, for all lamps and lanterns	90.00
Q69	Hanger	12.00
Q99	Generator complete, for all lamps and lanterns	51.00
007	Pick	12.00
Q	Pump for all lamps and lanterns	105.00
	Pump leather for all lamps and lanterns	12.00
CQ	Wrench	35.00
Q70	Burner, complete	380.00
333	Bug screen	180.00

QUICK-LITE SUPPLY CASE

An assortment of best selling Coleman Lamp and Lantern extras, put up in a handy partitioned box. Contents:

4	Q57 Lamp Valves
3	Q Pumps
1	Q11 Burner Support Tube
4	Q25 Burner Cap Screens
1	Q26 Mixing Chamber
1	Q56b Valve Stem and Nut
2	C46 Handle Caps
2	C47 Handle Lock Nuts
6	Q36 Gaskets
12	Q18 Gas Tips
2	Q41 Shade Holder Screws
3	CQ Wrenches
1	Q17 Casting
2	CQ Tip Wrenches
4	Q64b Filler Plugs
4	Q23 Burner Caps and Screens.
4	Q24 Burner Tubes
2	LQ57 Lantern Valves
1	LQ55 Valve Stem and Nut
1	C45 Handle Fiber
3	C69 Lamp Hangers
6	Q Pump Leathers
1	Q63 Shade Holder
2	LQ41 Ventilator Ball Nuts.
3	LQ Wrenches
12	.007 Tip Cleaning Picks.
12	Q99 Generators

	Per asst.
Quick-Lite Supply Case	$30.00

A High Grade Cabinet Convenient Easy Terms

Cash Price $41.85

White Enamel

Sanitary White Enamel or Rich Golden Oak

THE busier you are in your kitchen the more you will appreciate a Master-Made Cabinet. Once it becomes your daily servant you will wonder how you ever got along without it. Built of seasoned Golden Oak, with interior of upper section white enameled, with slide-out top surfaced in either nickel or white porcelain enamel. Or in handsome white enameled throughout, with white porcelain enameled top. An attractive feature is the great amount of drawer and cupboard space this cabinet gives you—far more than usual. Five roomy drawers in the base with a large drawer for linens, just above the big utensil cupboard.

You Can Do More Work in Less Time

Utensil cupboard has sliding metal tray, sliding wire shelf, bulk measuring and metal bun rack on door. Metal cake box in bottom drawer at right. A coarse sieve, wire egg beater and flour sifter slide in the front with a sugar scoop. Big bread box has a cutting board cover. Above this is a pan cupboard, a wire shelf for pie tins, rolling pin under it, and a spice rack. Above this is a cupboard with a shelf for cups and saucers, and a glass top and coffee bin. The top 42-pound capacity flour bin is white enameled, has a porcelain and glass sifting device, and a measuring cup. Above this is a cupboard for baking dishes, kitchen utensils and table linen. Cutting board for top and cake at 34 in. by 16 inches and slides out under table top. Metal coupon block and pencil on right of cabinet. Table top is 36 by 20 inches and pulls out to a working width of 36 inches. Height of cabinet, 68 inches. Width, 41 inches. Shipping weight, about 175 pounds. Cabinet can be had in white enamel throughout, with white porcelain enameled top, at same price. Shipped from factory near South Bend, Ind.

See illustrations on Page 535.

White Enamelwith Porcelain Top

266 C 4136 Easy Payment Price, $41.85 down and $5 a month. Cash Price $39.75

Black No. 1 on Page 697 ..... $46.95

266 C 4136 Cash Price. Full amount with order $41.85

Shipped from Factory near South Bend, Ind.

Rich Golden Oak

This Cabinet is also furnished in Solid Oak, Golden Finish at slightly lower prices. Same convenient, size and weight as white enameled Cabinet pictured above.

Easy Payment Price

Send $5 with your order and pay the balance in monthly payments of $5 each. Use Order Blank No. 1 on Page 697.

266 C 4134 Nickel table top, Golden Oak $37.35

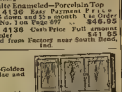
266 C 4135 Porcelain table top, Golden Oak $38.25

Cash Price Full amount with your order

266 C 4134 Nickel top, Golden Oak $33.95

266 C 4135 Porcelain table top, Golden Oak $34.85

Shipped from factory near South Bend, Ind.



Cash Price $33.95

Nickel Top

Master Made Features

Table Top Front pulls out to work on. Covered with sanitary white porcelain enamel.

Sliding wire Racks and Tray

Aladdin Coffee Bin

Easy-rolling Aluminum Casters

$5.00 Down and $5 a Month

Soon Pays for Either of these two

Kitchen Cabinets

Transparent metal Bread Box

Hardwood Unpainted Board

A Place for Everything

WARD'S Master Made

$39.75 Cash Price

THERE is no need to wait until you have saved the full price of this compact, labor saving Kitchen Cabinet. Simply send us $5 and your order and save yourself many time consuming trips in the kitchen. You can pay the balance in easy monthly payments of $5 each. One of the chief advantages of this Master-Made Cabinet is the large amount of space it provides for keeping groceries, pots, dishes, and cutlery within easy reach, and close together. Everything remains clean, and safe from mice and ants. Think of the years of service you will receive from this convenient cabinet. We sell thousands of Kitchen Cabinets each year. Our customers are always pleased with the high quality and low prices of our cabinets as compared with prices they have to pay elsewhere.

Why Be Without a Good Cabinet?

Time lost means energy wasted. Wasted motions tire you out as much as actual work. That's why this Master-Made Cabinet is such a real kitchen economy. A full sliding top of clean, white porcelain enamel pulls out to work on—40 inches wide by 20 inches deep. Rainproof, windproof, won't chip or crack, extremely sanitary. Cleans with a wet cloth. Front has a pull down shutter that keeps out dust and is easy to operate when it does. Working equipment of cabinet is very complete. Swinging glass sugar and tea metal cup and shut off, 2 glass spice jars and two for tea and coffee. Big white enameled, 40-pound flour bin, with sifter, sweeps down for filling, and has window front. Special bracket and block for meat grinder. Bottom has tinned bread box, cake box, cutting board and kitchen cutlery drawer. Attractive set glass door, with white enameled interior. Removable wire shelf. Sliding metal tray in bottom, wire rack on door. Furnished cutlery drawer. Any proof castors.

Comfortably Equipped for Easy Housework

Height, 72 inches; width, 40 inches. Stands on floor and against wall. Made of hard wood, white finish with interior of upper section white enameled for all sanitary purposes.

Use Easy Payment Order Blank No. 1 on Page 697. Tinted and finished in Golden Oak. Weight about 150 pounds. Send for freight charges, see information at bottom of this page.

266 C 4146 Golden Oak White Porcelain Top. $44.75

266 C 4149 Golden Oak White Porcelain Top Cash Price 39.75

Shipped from Factory near South Bend, Ind.

Furnished in White Enamel

At only a slight additional cost you can secure this same Cabinet, finished throughout in spotless White Enamel. Many prefer it for the increased light it gives. Has white porcelain top. Use Order Blank No. 1 on Page 697. White Enamel Cabinet will withstand whatever any glass floors, and will not crack, chip or peel. Outside white enamel is same enamel, size and weight as Golden Oak Cabinet.

266 C 4147 White Enamel finish. White Porcelain Top. Send $5 with order and $5 a month $48.75

266 C 4147 White Enamel finish. White Porcelain Top. Cash Price 43.75

Shipped from Factory near South Bend, Ind.

Tested and Approved by the Department of Housekeeping Experiments of the Good Housekeeping Institute Conducted by Good Housekeeping Magazine

Save at Least 30 Get Better Quality

$39.95 Golden Oak

Large Size, 48 Inches Wide
More Convenient Than a Pantry

QUALITY and price considered, we believe this to be the greatest kitchen Cabinet value in America. You will find no kitchen cabinet at any where near this low price offering as many features as this Master-Made model. Cabinets identical in construction and equipment are sold in the retail stores today for $70 to $75. We are sure if you will make the comparison, you will find these facts to be correct. Not only do we save you from $30 to $38 on your cabinet, but in addition we include the 7-piece aluminum set shown below absolutely free with each cabinet. The best proof that we can give you of the worth of this cabinet is the fact that the Good Housekeeping Institute's seal of approval is stamped on every cabinet.

Golden Oak or White Enamel Finish

Made of hardwood, base fully finished in Golden Sanitary Oak or Solid Oak Golden finish with natural of superior construction with Enamel cream finish and sanitary Porcelain Knobs and Drawer Pulls. Base has doors for easy living. Broiling front shows when you need more floor. The handy sliding shelf will not warp. Glass sugar jar.

Base has sliding work shelf and white enamel metal tray. Metal lined bread box. Anti-proof casters.

Convenient waist high range. Lots more room and drawers and bins than for fixing base. 3 spice jars and 2 tea or coffee jars. Convenient sliding flour sifter. Large roomy flour bin and handy flour hopper bowl and swing towel bars. The extension table when closed 48 by 36 inches. Closed 48 by 24 inches. Entire height of cabinet is 71 inches.

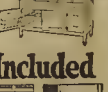
For rail express or freight charges see coupon below for shipping weight above cabinets.

No. 66 Oak finish $39.95
No. 2187 White Enamel finish $43.95
Shipped from factory near South Bend, Ind.

Extra Large Size—50 Inches Wide

The small illustration at the right shows the same Cabinet as at left, but is 50 inches wide, extra large and roomy and very conveniently arranged. It is 24 in. deep. Has same accessories as No. 2661. 4100 and 4101 above and also two small drawers in upper section. Standard Master Made quality and specifications throughout. Finished in Golden Oak or White Enamel. Shipping weight, about 345 pounds.

2662 Golden Oak $42.95
2662A White Enamel $46.95
Shipped from Factory near South Bend, Ind.



These Features Included

The special tray lifts out to clean. Fits under flour bin. Pour in flour.

Bread board fits in compartment next to flour bin. Knives within easy reach.

Handy roll top bread cutter fits in groove in top. Easily removed.

Has glass jar for all metal lined bottom and sides.

Has glass jar for all metal lined bottom and sides.

Has glass jar for all metal lined bottom and sides

Our Bargain Cabinet

To Make Kitchen Work Easier

$9.95 Golden Finish With Unfinished Wood Top Kitchen Cabinet Base

Two Interior Sizes

Improved 2 Level Kitchen-Cabinet Insert Makes Base Very Practical

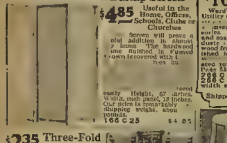
$21.85

$19.95 White Enamel

Folding Screens

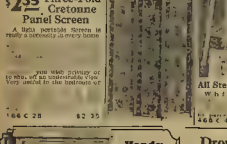
Three-Fold Green Burlap Screen

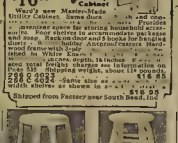
$4.85



$2.35 Three-Fold Cretonne Panel Screen

A light portable Screen is really a necessity in every home





$16.65 Utility Cabinet

Drop Leaf Table $6.25

$13.98 Golden Oak

Solid Oak, Golden Finish, with polished metal top or hardwood, finished in White Enamel with Golden Finish Metal Top. Has two large drawers and lower two wide sliding metal or wood bread panel or under wire rack

Top Closed 40 by 23 Inches

Solid Oak, Golden Finish or Hardwood, Unfinished Top

High Quality Porcelain Top Table Tapered Legs

A light green porcelain top, White Enamel Table is splendid for all kitchen work and will save you much time and steps. Has roomy drawer for utensils and a shelf makes wide, universal and supported. You will appreciate this table's convenience. Height, 30 inches. Handy roomy drawer. Sturdy hardwood frame. All good value given in service. Height, 30 inches. Closed 40 and 60 pounds. Shipped knocked down.

Top, 40 by 25 Inches $5.98

Low Priced Kitchen Table

Strong, sturdy useful Kitchen Table

Top 40 by 25 Inches $3.35

All Steel Stool $2.65

Wood Stool

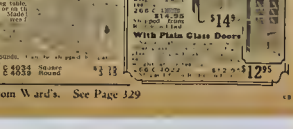
Handy Kitchen Cupboard

A very practical and useful Cabinet for every kitchen. Has roomy drawer for groceries and constructed of hardwood

$8.95

Drop Leaf Table Compact—Roomy

$11.95



Kitchen Cupboard

Built of hardwood with tin Oo

$14.95

With Plain Glass Doors

$12.95

Ready to Paint

$3.35

Drop Leaf Breakfast Table Square or Round Top

MASTER-MADE Kitchen Cabinets are shown on Pages 534 and 535. Save time and work by having one in your home.

It Is Easy to Order from Ward's. See Page 529

ICE CREAM FREEZERS

WHITE MOUNTAIN

Triple Motion, With Crank

The new design triple motion White Mountain freezer shown at left embodies the very latest and most scientific construction in ice cream freezers. The tubs are built on new lines of correct height and diameter resulting in minimum ice consumption. The cans which are made of Keystone copper steel charcoal tin plate are of corresponding height insuring quick freezing. Can covers are of cast iron with accurate gear teeth. The special patented new form of beater retains the famous triple motion, an original and exclusive feature of White Mountain freezers. The entirely new top frame construction eliminating all complicated gear mechanism makes a remarkably smooth and easy operating freezer.

Capacity quarts	1	2	3	4
Height, in.	8¾	10⅝	13¼	14¼
Weight each, lbs.	6	11	13	16
Each	$4 85	5 65	6.75	8.25
Capacity, quarts	6	8	10	12
Height, in.	15¼	15⅝	17¼	19
Weight each, lbs.	20	26	34	46
Each	$10 45	13 50	12.00	21 55

Open Stock.

With Fly Wheel

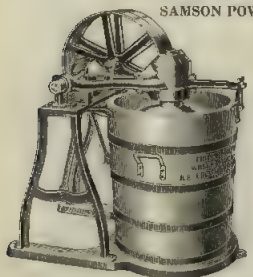
Interchangeable with crank, one of which is furnished with each freezer.

Quarts	15
Height, in.	20½
Weight each, lbs.	81
Each	$32.60

Open Stock.

SAMSON POWER

Triple Motion



Cast iron platform, stand and all outside metal parts, painted, covered gears, gear frame extends across top of tub fastened by latch bolt and thumb screw, tinned malleable iron beaters, fitted with double self adjusting wooden scraping bars, heavy tube bound with flat iron hoops, heavy tin plate cans, tight and loose pulley

Quarts	25	40
Platform, in.	24½x37¾	27½x44½
Pulley, in.	24x4½	24x4½
R. P. M.	75	75
Weight each, lbs.	480	635
Each	$150.00	200 00

Note—Shipped Direct From Factory.

ICE CREAM FREEZERS

WHITE MOUNTAIN, PLATFORM

Cast iron platform and stand, painted, triple motion, duplex, tinned malleable iron beaters with double self-adjusting wooden scraping bars, heavy tub, well made, bound with heavy hoops, heavy charcoal tin plate cans, with pulley

Quarts	20	25
Platform, in.	18⅜x28¾	19½x31½
Size pulley, in.	15⅝x3¼	15⅝x3¼
Weight each, lbs.	175	240
Each	$70.00	90.00

Open Stock.

The pulleys should turn about 75 revolutions per minute to give the correct speed to the freezer.

ARCTIC

Single Motion

The New Design Arctic freezer is a single motion machine. The can turns while the beater remains stationary. It is a perfect specimen of this type of freezer. The tub is carefully made of selected stock, is watertight and securely bound with wire hoops. The can is made of Keystone copper steel charcoal tin plate, having a tin plated, cast iron cover. The beater is of cast iron, tin plated and fitted with double self-adjusting wood scraping bars. All outside castings galvanized.

Quarts	1	2	3	4
Weight each, lbs.	6	11	12	13½
Each	$4.00	4.60	5.55	6.80
Quarts	6	8	8	10
Weight each, lbs.	18	22	22	25
Each	$8.60	11.10	14.80	

Open Stock.

FREEZER REPAIRS

WHITE MOUNTAIN, NEW MODEL

Cat. No.		Pattern Letter	QUARTS 1	2	3	4	6	8	10	12	15	20	25
501	Gear case, blank	M	80 60	1 05	1 45	1 30	2 20	2 60	2 80	4 75	5 10	6 30	6 90
502	Gear case, complete with all parts		1 60	2 50	2 65	2 80	4 70	5 00	5 45	9 85	10 40	10 85	14 90
503	Cap for gear case	I	18	24	24	24	68	68	68	1 05	1 95	1 18	1 50
504	Small tub ear on side next to crank	B	38	38	38	38	48	48	48				
506	Large tub ear (12 to 25 qts. only)	B								1 50	1 50	1 70	1 70
508	Upper gear with square hole for dasher stem	D	28	50	50	50	1 01	1 04	1 04	1 0	1 0	2 20	2 20
507	Pinion gear at end of crank shaft	T	20	34	34	34	58	58	58	1 02	02	1 56	36
508	Small nut on crank end of driving shaft (12 to 25 qts. only)									14	14	14	14
509	Dasher support inside of can		18	22	22	22	28	28	28				
510	Driving shaft		20	22	26	24	50	56	64	1 02	1 10	1 22	1 38
511	Large tub latch with special bolt on side opposite crank (12 to 25 qts. only)	K								1 20	1 20	1 30	1 30
511½	Special bolt only, for large tub latch (see No. 511)									40	40	40	40
512	Outer mixer with wood scraper	H	42	70	88	1 08	1 48	1 76	2 10	2 65	2 85	3 0	3 50
513	Inner mixer	F	88	42	52	64	78	98	1 2	1 91	2 12	2 46	3 30
514	Small tub hook opposite side from crank		14	18	18	18	18	18	18				
515	Iron centerpiece in bottom of tub	U	14	18	18	18	18	18	8	30	30	36	36
516	Can lug soldered to inside at top of can		10	14	1	1	12	14	1	18	18	22	
517	Wing nut for latch bolt (12 to 25 qts. only)									22	22	22	22
518	Wooden scraper bar		0	14	14	14	18	18	18	28	28	32	42
519	Lid or can cover, iron as used in freezer	X	80	5	80	1 30	0	1 10	2 12	3 8	3 36	3 58	4 20
519½	Lid or can cover, tin as used for packing (not illustrated)		60	5	80	1 00	0	1 10	1 50	1 80	1 20	2 80	3 50
520	Drop handle, complete for tub (10 to 25 qts. only)									50	50	60	65
521	Crank		34	50	67	80	84	84	84	4 72	4 72	1 98	1 98
522	Can, less lid (Freezer cans, less lids, will be shipped on all orders not otherwise specified)		72	1 18	1 52	1 90	2 76	3 36	3 98	5 12	6 26	7 76	10 0
523	Tub, with fittings		1 24	1 94	2 60	3 24	4 02	5 0	6 42	7 44	9 30	11 90	
524	Can bottom, cast iron (12 to 25 qts. only) not illustrated	W								2 30	2 70	3 06	3 9

Instructions: In all instances possible give the pattern letter on casting and the figure or figures before it, also the registered catalogue number with description of part as given above. Where pattern letters are not found give registered catalogue number with description of part and size of freezer for which part is wanted and state that same is for the New Design Triple Motion White Mountain Freezer

WHITE MOUNTAIN, OLD MODEL

No.	QUARTS—	1	2	3	4	6	8	10	12	15	20	25
1	Gear frame, with gears (Not illustrated)	1.60	2.50	2.65	2.80	4.70	5.00	5.45	9.85	10.40	10.85	14.10
2	Small ear	24	38	38	38	48	48	48				
3	Gear frame, with out gears (not illustrated)	60	05	1 15	1 30	2 10	2 50	2 80	4 15	5 10	5 30	6 50
4	Tub handle							50	50	50	60	65
5	Ring for cover of can	14	20	20	20	20	20	24	24	24	24	28
6	Thumb nut							22	22	22	22	22
7	Shaft	40	56	56	84	80	84	1 02	1 02	1 02	1 22	1 38
8	Can socket	20	24	24	34	40	50	65	65	65	85	1 18
9	Shank gear	28	50	50	60	84	1 0	1 0	1 0	1 70	1 70	2 70
10	Top gear	20	34	34	34	54	54	1 02	02	02	1 36	1 36
11	Screw gear	0	34	34	34	65	65	8	8	1 18	1 18	1 88
12	Crank	84	40	65	65	84	84	84	2	2	1 72	1 98
14	Inside beater	56	80	80	64	76	96	1 02	2 12	2 16	2 36	3 02
15	Large center							84	84	84	84	84
16	Shaft nut							4	4	4	4	14
17	Small center	4	6	8	18	8	18	8				
18	Outside beater	52	70	88	1 06	1 36	1 70	2	2 82	3 70	4 58	
20	Strainer	18	20	20	20	50	70	90	65	65	65	1 0
22	Wood scraper	10	14	14	14	18	18	8	28	28	28	42
24	Large ear							1 0	1 0	1 0	1 0	1 70
25	Large latch							1 30	30	1 30	1 30	
26	Gear case	18	32	34	34	58	68	88	1 05	1 05	1 0	1 5
27	Wood scraper holder	0	14	14	14	14	14	14	8	18	8	20
29	Frame latch	14	18	18	18	18	18					

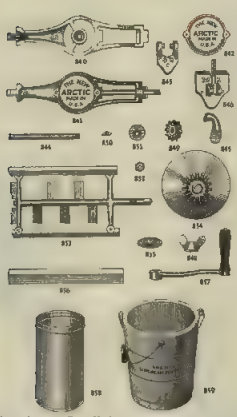
1 Gear frame, with gears (1 to 6 qt.
2 Small ear (1 to 10 qt.)
3 Gear frame, without gears (1 to 6 qt.
4 Tub handle (6 to 25 qt.
5 Ring for cover of can
6 Thumb nut (12 to 25 qt.)
7 Shaft
8 Can socket
9 Shank gear
10 Top gear.
11 Screw gear.
12 Crank
14 Inside beater
15 Large center (12 to 25 qt.)
16 Shaft nut (12 to 25 qt)
17 Small center (1 to 10 qt.)
18 Outside beater
20 Strainer
22 Wood scraper.
24 Large ear (12 to 25 qt.)
25 Large latch (12 to 25 qt.)
26 Gear case.
27 Wood scraper holder
29 Frame latch (1 to 10 qt.

Order by registered number of repair, and always state size of Freezer for which repair part is wanted.

The minimum charge on any invoice for repairs only will be ten cents.

FREEZER REPAIRS

ARCTIC, NEW MODEL



Instructions: In all instances possible give the pattern letter on casting and the figure or figures before it, also the registered catalogue number with description of part as noted. Where pattern letters are not found, give registered catalogue number with description of part and size of freezer for which part is wanted stating that same is for the new design Arctic Freezer.

Cat No		Pat. Letter	QUARTS 1	2	3	4	6	8	10	12	15	20
840	Gear case, blank	A	80.80	.80	.95	1.10	1.30	1.60	2.80	3.25	3.55	4.70
841	Gear case, complete with all parts		1.15	1.30	1.50	1.60	2.05	2.35	3.00	3.00	3.60	4.75
842	Cap for gear case	V	.18	.34	.34	.34	.60	.65	.65	1.05	1.05	1.45
843	Tub ear on side next to crank	B	.32	.38	.38	.38	.48	.48	.48	1.50	1.50	1.70
844	Driving shaft	—	.20	.22	.28	.34	.50	.56	.61	1.02	1.10	1.22
845	Small tub hook opposite side from crank		.14	.18	.18	.18	.18	.18	.18			
846	Large tub latch with special bolt on opposite side from crank (12 to 20 qts only)	K								1.30	1.20	1.30
847	Special bolt for large tub latch (12 to 20 qts only) see No 846									.30	.40	.40
848	Wing nut for latch bolt 12 to 20 qts only)									.22	.22	.22
849	Pinion gear at end of crank shaft	T	.20	.34	.34	.34	.58	.58	.58	1.02	1.02	.86
850	Can lug soldered to inside of top of can		.10	.14	.14	.14	.14	.14	.14	.18	.18	.22
851	Dasher support inside of can		.18	.22	.22	.22	.28	.28	.28			
852	Small nut on crank end of driving shaft (12 to 20 qts. only)									.14	.14	.14
853	Mixer complete with wood scrapers	R	.32	.50	.64	.86	1.10	1.40	2.12	3.38	3.86	3.58
854	Lid or can cover	Y	.60	.78	.90	1.00	1.10	1.40	2.12	3.38	3.86	3.58
855	Iron center piece in bottom of tub	U	.14	.18	.18	.18	.18	.18	.18	.30	.30	.36
856	Wooden scraper bar		.12	.14	.14	.14	.14	.14	.18	.24	.28	.42
857	Crank		.54	.50	.60	.76	.84	.84	.84	1.22	1.72	1.80
858	Can less lid		.2	1.8	.36	1.00	1.16	1.80	3.08	3.72	4.26	5.26
859	Tub with fittings		1.7	1.94	2.30	2.74	3.24	4.02	5.70	6.42	7.44	10.70
860	Can bottom, cast iron (12 to 20 qts. only) not illustrated	P								2.60	2.70	2.96

Freezer cans, less lids, will be shipped on all orders not otherwise specified.

The minimum charge on any invoice for repairs only will be ten cents.

ARCTIC, OLD MODEL

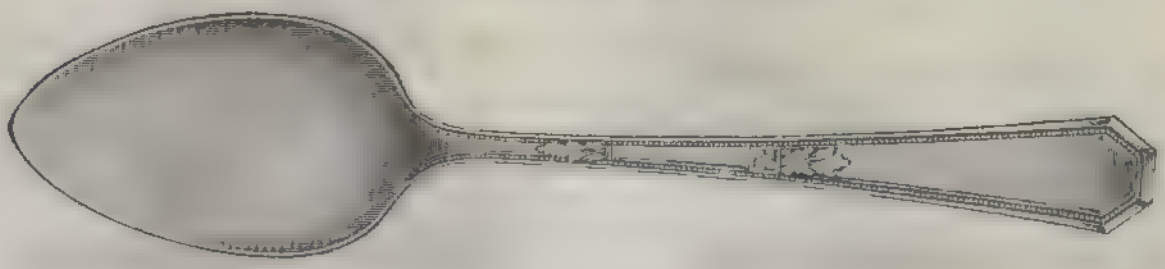
No.	Quarts— 1	2	3	4	6	8	10	12
101—Gear frame, with gears	$1 15	1 30	1 50	1 60	2 05	2 35	3 00	3 00
102—Ear	18	22	22	22	34	34	34	56
103—Gear frame, without gears	60	80	.90	1 10	1 50	1 60	2 30	3 25
104—Shaft	20	22	28	34	50	50	64	1 02
105—Screw gear	.18	.22	.22	.22	34	34	34	1 02
106—Wood scraper	.10	.14	14	14	18	18	18	28
108—Beater complete, with woods	.32	.50	.68	86	.86	1 10	1 58	2 58
109—Wood scraper holder	.10	.14	.14	14	14	14	14	18
110—Center	.14	.18	18	18	18	18	.18	34
112—Gear cap	.18	.28	.28	28	38	38	38	6
113—Can stop	.10	.14	14	14	14	14	14	18
114—Can socket	.18	.20	22	28	34	38	42	62
115—Can cover	52	76	84	1.00	1 10	1 40	2 12	3 28
116—Crank	54	50	60	65	84	84	84	1.30
117—Frame latch	.14	.18	18	18	18	18	18	28
Freezer can, no cover	72	1.18	1.32	1 60	2 26	2 80	3 98	5 72
Tub	1 24	1.94	2.30	2 74	3 24	4 02	5 70	6 42

Order by registered number of repair, and always state size of Freezer for which repair part is wanted.

The minimum charge on any invoice for repairs only will be ten cents.

WM. ROGERS & SONS. SILVERWARE

MAYFAIR PATTERN—GRAY FINISH



Tea Spoons—Full Size.

	Per Doz
No. M-2 Tea spoons; length 6 ins; wt per doz 11½ ozs	$ 6 00
No. M-3—Dessert spoons; length 7 ins; wt per doz 19 ozs	11 55
No. M-4—Table spoons; length 7½ ins; wt per doz 2 ozs	12 00

One doz in cardboard box

ICE TEA SPOONS

	Per Doz
No. M-31—Length 7½ ins.	$11 55

Half doz in cardboard box; wt per doz 2¼ lbs.

FORKS

Four tin flat handle.

	Per Doz
No. M-4F—Medium; length 7¼ ins	$12 00
No. M-3F—Dessert; length 7 ins	11 55

One doz in cardboard box.

HOLLOW HANDLE KNIVES AND FORKS

Medium.

Straight blade knives, length 10 inches; four tine forks, length 7¾ inches.

	Per Doz
No. M-HK—Knives only, plated blades	$35 55
No. M-SHHK—Knives only stainless steel blades	41 25
No. M-HF—Forks only	35 55

Breakfast.

Length knives 8¾ inches.

	Per Doz
No. M-BHK—Knives only; plated blades	$34 95

Dessert Forks.

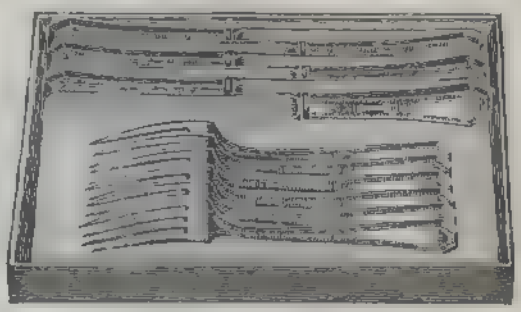
	Per Doz
No. M-HDF—Forks only; length 7 ins	$34 65

Half doz in cardboard box; wt per doz about 2½ lbs

SOLID HANDLE KNIVES

	Per Doz
No. M-12K—Medium; length 10 ins; wt per doz 2 lbs	$14 55
No. M-12DK—Dessert; length 8¾ ins; wt per doz 1½ lbs	14 25

Half doz in cardboard box.

HOLLOW HANDLE KNIFE AND FLAT FORK SETS

Medium.

Straight blade knives; length 10 inches; 4 tine forks; length 7¾ inches.

	Per Set
No. M-HK4F—Medium knives and forks in sets of 6	$24 00

One set in blue lined cardboard box; wt per set 2⅛ lbs.

Breakfast.

Length blade 8¾ inches; 4 tine forks, length 7 inches.

	Per Set
No. M-BHK3F—Breakfast knives and flat handle forks in sets of 6	$23 55

One set in blue lined cardboard box; wt per set 2½ lbs.

EMBOSSED MEDIUM KNIVES AND FLAT HANDLE FORKS

Straight blade knives; length 10 inches; 4 tine forks; length 7¾ inches.

	Per Set
No. M-12KF—Medium embossed knives and forks in sets of 6	14 70

One set in blue lined cardboard box; wt per set 2½ lbs.

WM. ROGERS & SONS SILVERWARE

CORRECT SERVICE PIECES

MAYFAIR PATTERN—GRAY FINISH

LADLES

Each

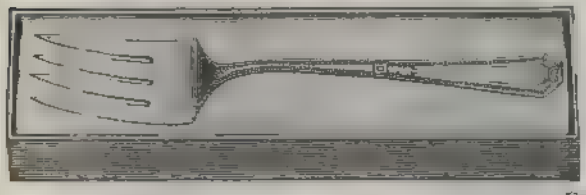
No. M-13—Cream; length 5¾ ins. For serving salad dressing, whipped cream and pudding sauces; wt each 6 ozs. $1 86

No. M-14 Gravy: length 7 ¼ ins. For deep dish serving gravy, preserved fruits, sauces, etc; wt each 9 ozs. 2 52

No. M-16—Medium Soup; length 11¾ ins. For serving soups, crushed fruits, etc; wt each 16 ozs. 6 63

One in blue lined box.

COLD MEAT FORKS

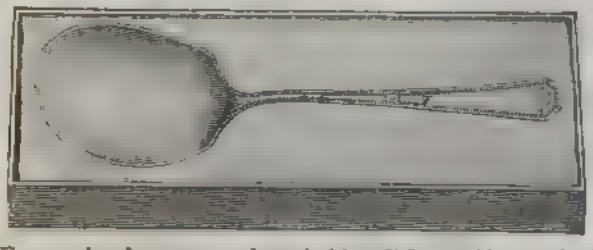


Each

No. M-17—Large; length 8½ ins. $2 10

One in blue lined box; wt each 6 ozs.

BERRY SPOONS

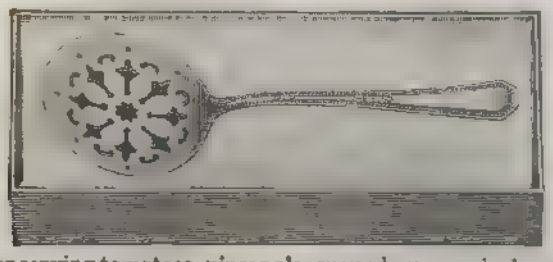


For serving from casserole or baking dishes. Also used with cold meat fork for salad serving. Each

No. M-20—Length 9 ins. $3 30

One in blue velvet lined box; wt each 7 ozs.

TOMATO SERVERS



For serving tomatoes, pineapple, cucumbers, poached or fried eggs, fritters, waffles, fish cakes, croquettes, etc. Each

No. M-52—Length 7½ ins. $3 30

One in blue velvet lined box; wt each 4 ozs.

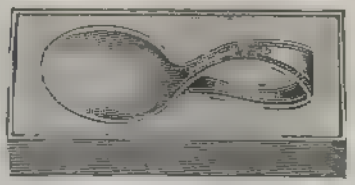
CHILD'S SETS

An appropriate gift for the child. Per Set

No. M-2—Solid handle knife, flat fork and spoon; length knife 7½ ins, fork 6¼ ins, spoon 5½ ins. $3 30

One set in blue velvet lined box; wt per set 9 ozs.

BABY SPOONS

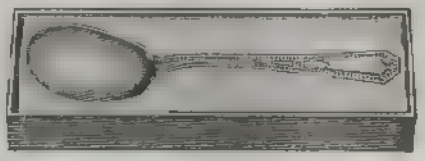


Especially designed to meet the requirements for bread, milk, and cereal feasts. Each

No. M-1—Length 8½ ins. $1 05

One in blue lined box; wt each 2 ozs.

SUGAR SHELLS



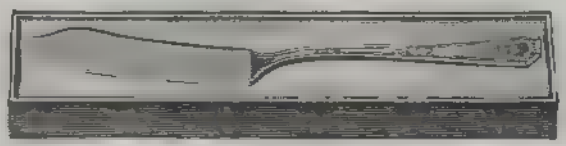
Desirable for jam, jelly, marmalade, etc.

Each

No. M-4—Length 6 ins. $1 17

One in blue lined box; wt each 4 ozs.

BUTTER KNIVES

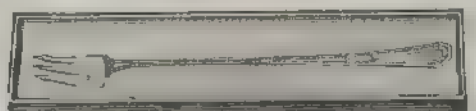


Butter server, an attractive practical gift. Each

No. M-7—Length 7¼ ins. $1 20

One in blue lined box; wt each 4 ozs

PICKLE FORKS



Long handle. For serving pickles, olives, relishes, etc.

Each

No. M-23—Length 8¾ ins. $1 89

One in blue lined box; wt each 2 ozs.

PIE SERVERS

For serving pie, brick ice cream, etc. Each

No. M-11—Hollow handle; length 10 ins. $6 90

One in blue lined box; wt each 5 ozs.

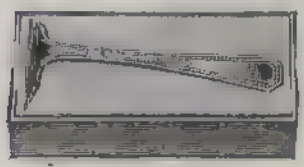
WM. ROGERS & SONS SILVERWARE

CORRECT SERVICE PIECES
MAYFAIR PATTERN—GRAY FINISH

JELLY SERVERS

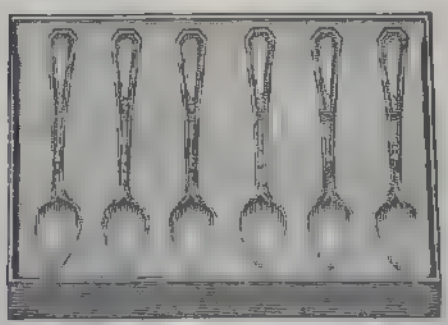
For serving jelly, cheese, etc. Each
No. M-53—Length 6⅝ ins. $2 52
One in blue velvet lined box; wt each 10 ozs.

FOOD PUSHERS



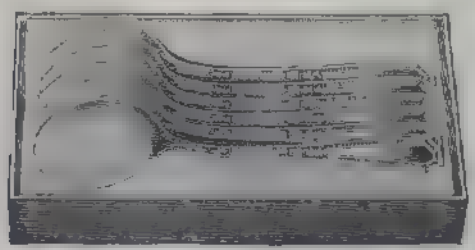
Each
No. M-40—Length 8¾ ins $1 05
One in blue velvet lined box; wt each 2 ozs.

COFFEE SPOONS



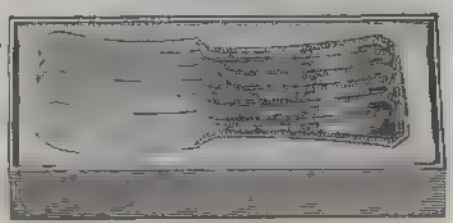
For small cup service. Per Set of Six
No. M-5—Length 4 ins $3 24
Set of 6 in blue lined box, wt per set 12 ozs.

SOUP SPOONS



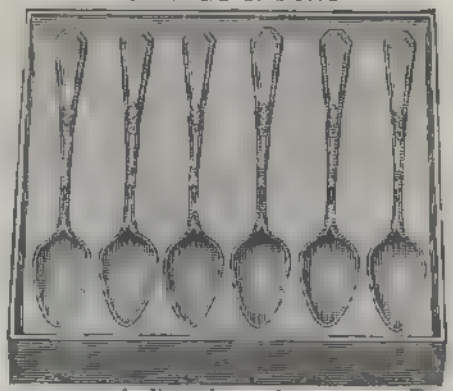
Per Set of Six
No. M-10—Length 7 ins $6 45
Set of 6 in blue lined box, wt per set 16 ozs.

BUTTER SPREADERS



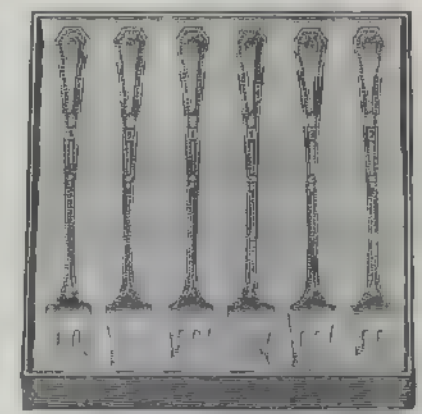
Per Set of Six
No. M-22—Length 5 ins $7 02
Set of 6 in blue lined box, wt per set 7 ozs.

ORANGE SPOONS



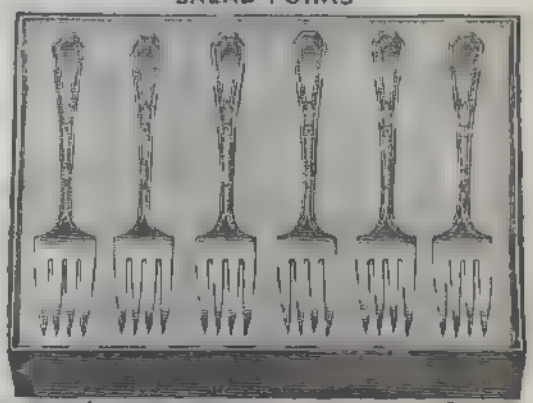
For oranges, grapefruit, melons, etc. Per Set of Six
No. M-24—Length 6 ins. $5 04
Set of 6 in blue lined box; wt per set 12 ozs.

OYSTER FORKS



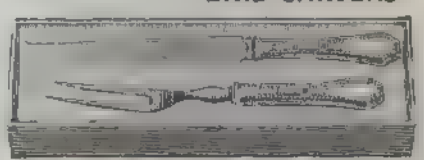
For oysters, clams, lobsters shrimps, seafood, cocktails, etc.
Per Set of Six
No. M-25—Length 5¾ ins. $5 19
Set of 6 in blue lined box; wt per set 12 ozs

SALAD FORKS



For salads, french pastry, etc. Per Set of Six
No. M-28—Length 6 ins $7 86
One set in blue lined box; wt per set 11 ozs.

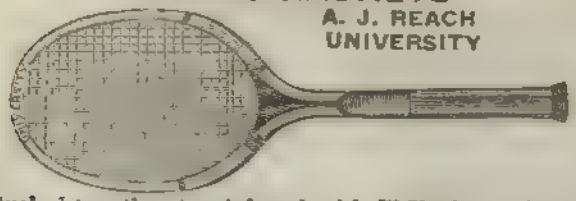
BIRD CARVERS



Steak, fowl or breakfast service; length knife 10¼ inches, length fork 8¼ inches. Per Set
No. M-90—Hollow handle knife, stainless steel blade, hollow handle fork. $14 79
One set in blue lined box; wt per set 14 ozs.

TENNIS RACKETS

A. J. REACH UNIVERSITY

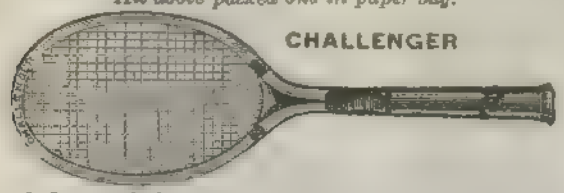


Oval ebony throat, reinforced with Philippine mahogany. Shoulders reinforced with raw-hide and wrapped with green silk cord. Strung with high imported gut, double strung in center. A professional grade racket. Each

No. 1U—Light, medium and heavy weight.....$18 00

All above packed one in paper bag.

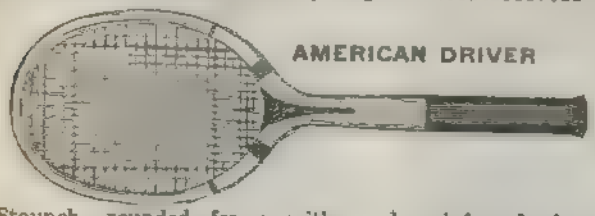
CHALLENGER



Oval throat of ebony wood, inlaid with natural mahogany. Shoulders reinforced on outside with raw-hide and wrapped with black silk cord. The finest lamb's gut is used for string. Center is double strung. Each

No. 1C—Light, medium and heavy weight.....$33 00

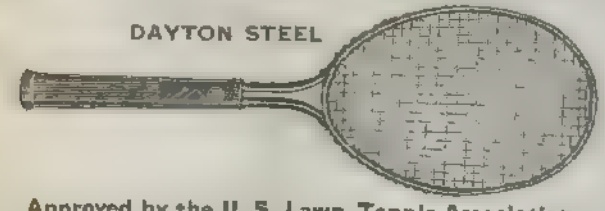
AMERICAN DRIVER



Staunch, rounded frame with oval, reinforced throat. Straight, even Permatite string, extra strong and moisture-proof. Shoulders double wrapped with maroon silk cord. The new special lamination feature applied to the throat adds strength and makes weather tight those portions having the most exposed joints. Each

No. 15AD—Light, medium and heavy weight.....$33 00

DAYTON STEEL



Approved by the U. S. Lawn Tennis Association. Official for all Tournaments.

Frame is of steel tubing, oval shape; strings are of smooth twisted steel wire, of which the tension and resiliency is equal to the best gut. Wood handle with leather rimmed butt; steel shank welded to frame, sunk deep into handle and riveted. Each

No. DS—13, 13½, 14 and 14½ ozs.....$22 20

All of above packed one in paper bag.

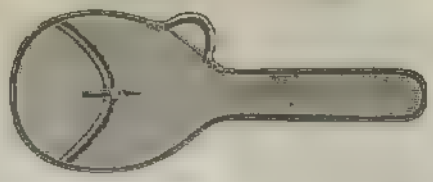
RACKET CASES

Per Doz

No. 2BR—Made of rubberized mackintosh cloth; covers head of racket only and has the strap and button to fasten the bottom of the cover around the head.....$17 40

Packed loose.

RACKET CASES



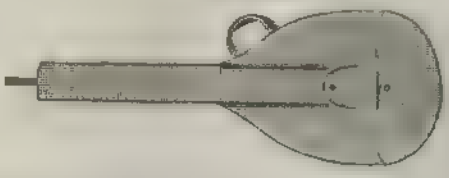
Per Doz

No. 0—Fine felt, in navy blue, green and crimson, with button and button hole; wt per doz 3 lbs.....$32 25

No. 5—Fine tan mackintosh, moisture proof, snap button flap; wt per doz 4½ lbs.....38 25

Packed loose.

A. J. REACH



Per Doz

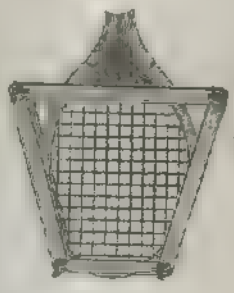
No. 4—Plaid mackintosh cloth; strongly sewed with pocket for three balls.....$33 00

No. 3—Water proof mackintosh cloth; strongly sewed without ball pocket.....26 40

Packed loose.

RACKET PRESSES

A. J. REACH



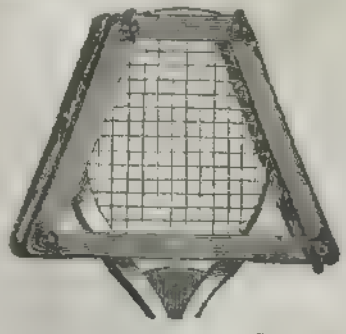
Per Doz

No. RP1—Natural finished wood, with metal fittings.....$29 70

No. RP3—Polished wood, nickeled screws and thumb nuts.....47 55

Packed loose; wt per doz 15 lbs.

Players wanting to keep their rackets from warping should always keep them in a press when not in use. This is the strongest and most practical press ever used for the purpose.



Per Doz

No. 0T—For holding one racket; made of maple; plain finish.....$28 50

Packed loose; wt per doz 13 lbs.

TENNIS BALLS

The Championship Ball is adopted by the United States National Lawn Tennis Association; Inter Collegiate Lawn Tennis Association; Southern Lawn Tennis Association; Pacific States Lawn Tennis Association; Canadian Lawn Tennis Association and all other associations of note in United States and Canada.

WRIGHT & DITSON CHAMPIONSHIP

Championship, regulation size and weight, made of highest grade material, very resilient and durable; cloth covered and undersewn.

Per Doz

No. 1CB.....$14 85

One doz in cardboard box; wt per doz about 1½ lbs.

TENNIS RACKETS

WRIGHT AND DITSON

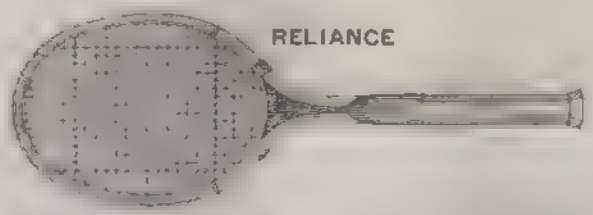
ALL AMERICAN

Well seasoned second growth ash, oval shape, with depressed white Lolly throat, new style chamfering; double strung center; frame bound with red, white and blue. Length handle 5¼ inches. Each

No. 8AA—Light, medium and heavy weight $17 25

One in paper bag.

RELIANCE

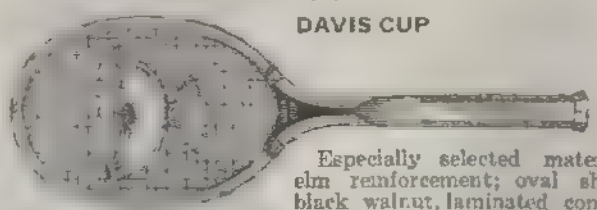


Selected white ash; round chamfered frame with walnut throat; strung with high grade gut; reinforced and trimmed with blue gut. Each

No. 10R—Light, medium and heavy weight $21 30

One in paper bag.

DAVIS CUP

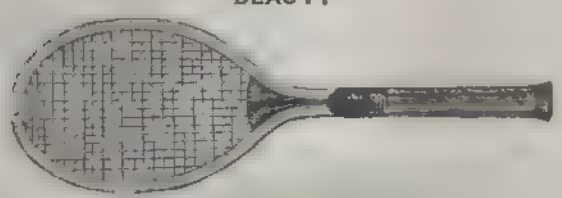


Especially selected materials, elm reinforcement; oval shape, black walnut, laminated concave throat; single lambs gut stringing with special trimming to prevent gut from slipping. Length handle 5¼ inches. Each

No. 40C—Light, medium and heavy weight..... $31 50

One in paper bag.

A. J. REACH BEAUTY



White ash frame; ebony colored throat; maple handle; oriental gut strung. Each

No. 1B—Medium size and weight..... $5 55

One in paper bag.

DEVON

Beveled frame with arched mahogany throat. Shoulders are wrapped with blue silk cord. Straight strung with good grade gut. Close strung in center. A popular racket. Each

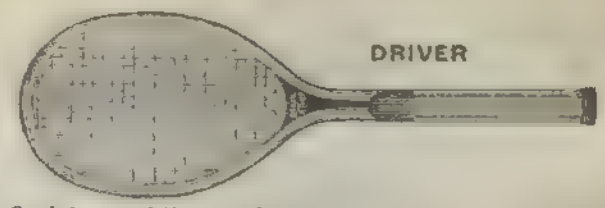
No. 1D—Light, medium and heavy weight..... $6 60

One in paper bag.

TENNIS RACKETS

A. J. REACH

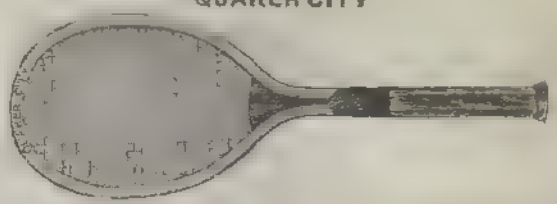
DRIVER



Oval dogwood throat, ebony finish, inlaid of natural mahogany; strung with excellent quality of black and white gut, double strung center; cedar handle. Designed for fast amateur play. Each

No. 2D—Medium weight..... $7 95

QUAKER CITY



Arched throat of natural walnut. Shoulders are reinforced with mahogany. Straight strung with single center. A very popular moderate price racket. Each

No. 1QC—Light, medium and heavy weight..... $9 90

NEWPORT

Cherry finish oval throat with natural mahogany inlaid shoulders wrapped with black silk cord. Strung with best grade gut. This racket will give excellent service in every way. Each

No. 1N—Light, medium and heavy weight..... $11 10

VARSITY

Oval ebony finished throat with natural mahogany inlay at shoulders. Shoulder double wrapped with green silk cord. Strung with high grade gut, double strung in center. Modeled on the same lines as professional rackets. Each

No. 1V—Light, medium and heavy weight..... $14 40

TOURNAMENT

Arched throat of natural dogwood inlaid with Philippine mahogany. Shoulders reinforced with raw-hide and wrapped with black silk cord. Straight strung with best grade imported gut. A racket especially adapted for fast playing. Each

No. 1T—Light, medium and heavy weight..... $18 00

All of above rackets one in paper bag.

SPORT COATS

LADIES' TUXEDO STYLE

Pure worsted and fibre silk yarns; two toned with cord effect at bottom of convertible tuxedo coat and cuffs. Furnished in the following sizes 34, 36, 38, 40, 42 and 44.

When ordering be sure to state size wanted.

	Per Doz
No. 2919BW—Black and white	$294 00
No. 2919BT—Brown and tan	294 00
No. 2919PM—Peacock and marigold	294 00

One in cardboard box; wt per doz 7 lbs.

LADIES' TUXEDO STYLE

Pure worsted yarn. Very elastic and durable. Made in solid colors. Convertible tuxedo. Furnished in the following sizes: 34, 36, 38, 40, 42 and 44.

When ordering be sure to state size wanted.

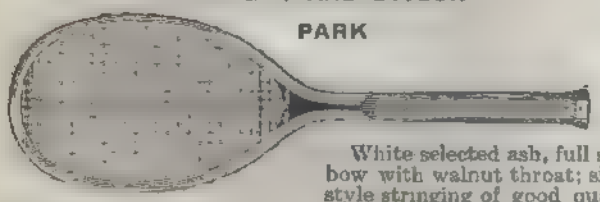
	Per Doz
No. 2917PC—Peacock	$189 00
No. 2917N—Navy blue	189 00
No. 2917B—Black	189 00

One in cardboard box; wt per doz 8 lbs.

TENNIS RACKETS

WRIGHT AND DITSON

PARK



White selected ash, full sized bow with walnut throat; single style stringing of good quality gut; maroon trimming. Each

No. 2P—Light, medium and heavy weight $7 65

One in paper bag.

TOURNAMENT

Seasoned ash; flat chamfered frame with walnut throat; double center stringing of good quality gut. Each

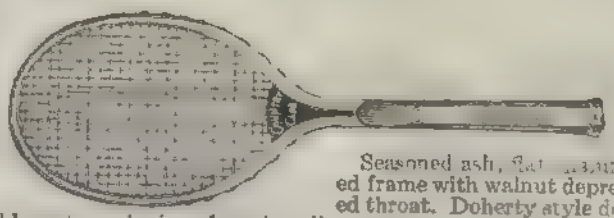
No. 10T—Light, medium and heavy weight $8 55

One in paper bag.

TENNIS RACKETS

WRIGHT AND DITSON

COUNTRY CLUB



Seasoned ash, flat chamfered frame with walnut depressed throat. Doherty style double center stringing of good quality gut; maroon trimming. Each

No. 3CC—Light, medium and heavy weight $9 00

One in paper bag.

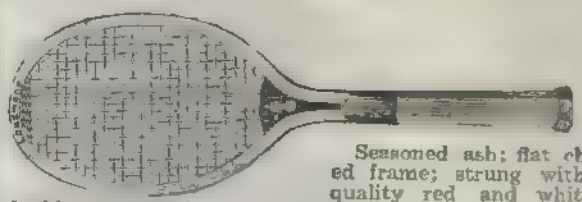
COLUMBIA

Seasoned ash; depressed throat; single style stringing of good quality gut; black throat and trimming. Each

No. 14C—Light, medium and heavy weight $10 50

One in paper bag.

LONGWOOD



Seasoned ash; flat chamfered frame; strung with good quality red and white gut, double center style; green trimmings at top and bottom. Each

No. 1L—Light, medium and heavy weight $13 80

One in paper bag.

CHAMPION

White seasoned ash, elm reinforcement; extra center stringing of good quality gut; frame chamfered at shoulders; black throat and blue trimmings. Each

No. 12C—Light, medium and heavy weight $13 80

One in paper bag.

LANTERNS

DIETZ HOT BLAST

For Kerosene

Hot Blast tubular lanterns are so constructed that fresh air enters the globe at the base through the perforated globe-plate. This fresh air becomes heated and is partly burned. It rises through the globe, mixed with spent gases of combustion and a portion is gathered into the canopy or inverted funnel over the globe and then is drawn down through the side tubes by suction, to be again discharged into the flame.

Special Features—Dietz security standing bail; patent brass eyelets; patent safety burner; patent positive-locking globe lift; large oil filler with non-loseable cap, double seamed solderless oil fount.

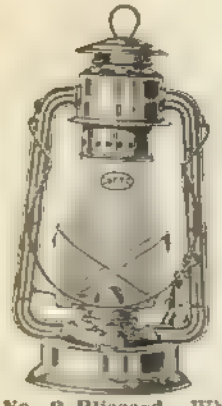
Monarch, Hot Blast

Bright tin finish only; beaded round tubes.

Height over all 13½ inches; volume of light by test, 4 C. P.; oil used 150° kerosene; size of wick ⅝ inch; fount capacity 20 hours; name of globe, Dietz "Fitzall"; patented steel burner No. 411.

Monarch—White globe . . . Per Dozen **$16 50**
Monarch—Ruby globe . . . Per Dozen **20 50**

One dozen in a case; weight per case 38 pounds.



Blizzard, Cold Blast.

Bright tin finish only; high globe; reinforced tubes; specially braced lift-guide. The Loc-Nob prevents globe from slipping out of retaining guard when tipped back

Height over all 14¾ inches; volume of light by test 10 C. P.; 1 inch wick; oil used 150° kerosene; fount capacity 26 hours. Dietz "Blizzard" Loc-Nob globe. No 262 patented steel burner.

No. 2 Blizzard—White globe . . Per Dozen **$27 00**
No. 2 Blizzard—Ruby globe . . . Per Dozen **31.00**

Half dozen in case; weight per case 26 pounds

Little Wizard, Cold Blast

Bright tin finish; specially braced lift-guide; wide Loc-Nob globe; into which a good sized hand may be thrust for cleaning. An ideal lantern for Boy Scouts and campers. It is also used, with a green globe, as a police traffic lantern.

Height over all 11½ inches; volume of light by test, 6 C. P.; ⅝ inch wick; oil used 150° kerosene; fount capacity 20 hours; Dietz "Little Wizard" Loc-Nob globe; No. 201 patented steel burner

Little Wizard—White globe . . . . . Per Dozen **$17.50**

One dozen in a case; weight per case 26 pounds.

DIETZ COLD BLAST

For Kerosene

Fresh air only is fed to the flame at the wick; all spent or burned air is expelled absolutely from the lantern, and is not re-circulated again as it is in "Hot Blast" lantern. By permitting only fresh air, fully charged with oxygen, to reach the flame in a Dietz "Cold Blast" lantern, a more brilliant, whiter light is obtained. The candle power of this light is double that obtained from any "Hot Blast" lantern.

Special Features—Dietz security standing bail; patent brass eyelets, patent safety burner; patent positive-locking globe lift; large oil filler with wired filler cap and double-seamed solderless oil fount; specially braced lift-guides where needed

D-Lite, Cold Blast

Bright tin finish only; equals the largest Dietz cold blast lantern in lighting power; specially braced lift-guide; Loc-Nob globe with wide openings, into which the hand may be inserted with ease for cleaning; reinforced tubes.

Height over all 13¼ inches; volume of light by test 10 C. P.; 1 inch wick; oil used 150° kerosene; fount capacity 20 hours; Dietz "D-Lite" Loc-Nob globe; No. 262 patented steel burner.

No. 2 D-Lite—White globe . . . . . Per Dozen **$27.00**

Half dozen in a case; weight per case 26 pounds

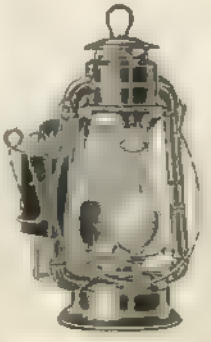
Large Fount D-Lite, Cold Blast

Bright tin finish; utmost lighting power; reinforced tubes; braced lift-guide; easily cleaned short Loc-Nob globe; enlarged oil capacity, saving annoyance of frequent refilling.

Height over all 13¾ inches; volume of light by test 10 C. P.; 1 inch wick, oil used 150° kerosene; fount capacity 35 hours; "D-Lite" Loc-Nob globe; No. 262 patented steel burner

No. 2 Large Fount D-Lite—White globe . . . . . Per Dozen **$29.50**

Half dozen in a case, weight per case 28 pounds.



Junior Wagon, Cold Blast

Tin, black enameled; made right and left hand; law-abiding ruby rear lens, fits round or flat holders. Complete with style E flat holder.

Height over all 12 inches; reflected light by test 10 C. P.; ⅝ inch wick; oil used 150° kerosene fount capacity 15 hours; Dietz "Junior" globe; 201 patented steel burner; 2¼ inch ruby rear lens.

Junior Wagon—White globe; 2¼ inches; bull's eye lens, complete with flat holder . . . . . Per Dozen **$35.50**

Half dozen in a case; weight per case 29 pounds.

Note—When ordering Junior wagon lanterns always specify if for right or left hand.

LANTERNS

DIETZ DRIVING AND PARKING LANTERNS

Eureka

For kerosene. Complete with style "A" holder. Made in the right or left hand.

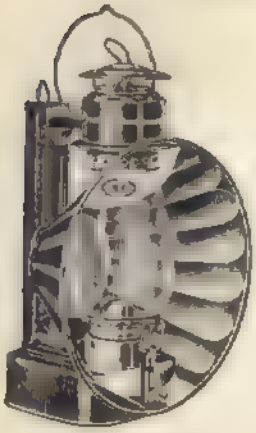
Note — When ordering these lanterns, always specify for right or left hand. A dependable small driving lantern, ideal for any light vehicle. Made of cold rolled steel, black enameled; nickeled door rim; positive locking oil fount; lawful ruby rear lens.

Height over all 7¼ inches; ⅝ inch wick; oil used 150° kerosene; fount capacity 10 hours; No. 561 patented steel burner.

Eureka—Plain lens; size of door lens 3⅛ inches; 2¼ inch ruby lens.....Per Dozen **$35.00**

One dozen in a case; weight per case 26 pounds.

DIETZ WALL LANTERNS



Beacon, Cold Blast

For kerosene. Tin, green enamel finish. The ideal lantern for outdoor use. A brilliant high candle power light, aided by white enameled reflector makes it the most useful outside lantern made.

Note—Not practical for use as hand or vehicle lantern.

Height over all 15¼ inches; reflected light by test 50 candle power; size of wick 1 inch; oil used 150° kerosene; fount capacity 35 hours; Dietz "Blizzard" globe; No. 262 patented steel burner.

No. 30—Without reflector.....Per Dozen **$64.50**

Quarter dozen in a case; weight per case 25 pounds.

LANTERN DISPLAY STANDS

DIETZ

No. 12

This display stand is carefully designed for use in retail stores where floor space is valuable.

It takes up only 29 inches of floor space is substantially constructed and makes an imposing appearance. Installed in a prominent place in the store, the customer cannot pass it without interest.

This display stand holds an assortment of 12 lanterns of different sizes and of a variety suitable for all purposes.

No. 12—Dietz display stand, finished in fumed oak, height with Dietz "Sunshine" card 70 inches; spread at base 29 inches.....Each **$30.00**

Open stock

LAMP BURNERS

PREMIER

Brass, Hinged Cone.

Has achieved a wide popularity, and more of these burners are now sold than any other. Strongly made, sightly in appearance and give a large, white light. Brass plated ratchet stem, wick tube, chimney guides and base.

Nos.	1P	2P
Size chimney, Nos.	1	2
Size wick, inches	⅝	1
Weight per dozen, lbs.	1	1¼
Per Dozen	**$1.50**	**2.00**

One dozen in a box

QUEEN ANNE

Brass, Hinged Cone

Made of brass throughout. Parts are strong and carefully assembled. Adapted to burn the commercial kerosene of today and to burn it well and thoroughly at either high or low flame.

No. 2QA—Takes No. 2 chimney and 1 inch wick; weight per dozen 1¾ lbs.....Per Dozen **$2.80**

One dozen in a box

LANTERN BURNERS

DIETZ

Wing Lock Cone.

For kerosene; patented steel burner. For Junior and Junior Wagon, Little Wizard, Roadster Wagon and Ideal Inspector's lanterns.

No. 201—For ⅝ inch wick, weight per dozen 1 pound.....Per Dozen **$1.50**

One dozen in a box

Wing Lock Cone.

For kerosene; patented steel burner. For Little Star, Victor and Monarch hand lanterns, also Buckeye dash lantern.

No. 411—For ⅝ inch wick; weight per dozen 1 pound.....Per Dozen **$1.50**

One dozen in a box

Wing Lock Cone.

For kerosene; patented steel burner. For No. 2 Crescent, No 2 Blizzard, No. 2 Large Fount Blizzard, No. 2 D-Lite, No 2 Large Fount D-Lite, No 25 Wall and No 30 Beacon Wall lanterns.

No. 262—For 1 inch wick; weight per dozen 1¾ pounds.....Per Dozen **$2.00**

One dozen in a box

LAMP CHIMNEYS

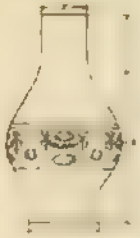
SUN

Crimp Top

Nos.	1	2
For burners, Nos.	1	2
Height, inches	7½	8½
Diameter at bottom, inches	2½	3
Diameter at bulge, inches	3½	4
Weight per dozen, pounds	5	6
Per Dozen	$2 00	$2 50

In tubes; six dozen in a case, assorted. One dozen No. 1, five dozen No. 2.

FANCY ENGRAVED



Pearl Beaded Top.

Large swell center; globe shape; assorted engravings

No.	2
For burner, No.	2
Height, inches	9
Diameter at bottom, inches	3
Diameter at bulge, inches	5
Weight per dozen, lbs.	6½
Per Dozen	$2.75

In tubes; six dozen in a case.

ROCHESTER

Plain Top; Electric Slim

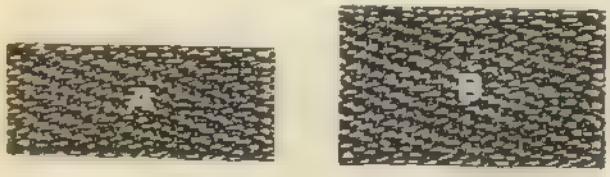
To fit all lamps with Rochester or Rayo circular wick burners.

No.	2
For burner, No.	2
Height, inchese	10
Diameter at bottom, inches	2⅝
Diameter at top, inches	2
Diameter at bulge, inches	3⅝
Weight per dozen, lbs	7
Per Dozen	$3.00

In tubes; six dozen in a case.

LAMP WICKS

FLAT



For Lamps and Lanterns

Nos.	E	A	B	D
For burner, Nos.	0	1	2	3
Width, inches	½	⅝	1	1½
Length, inches	8	8	8	8
Weight per gross, lbs.	½	⅝	1	1¾
Per Gross	$1 30	1.50	2.10	3.15

One gross in a box

CANDLE WICKING

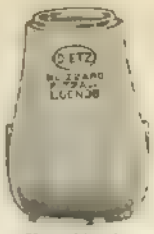
Sterling

No. 1—Best grade cotton, fine; in 2 oz. balls.....Per Pound $0 70

Five pounds in a cotton sack.

LANTERN CHIMNEYS

DIETZ



Blizzard-Fitzall Loc-Nob

Note—This globe is a combination of the old Blizzard and old Fitzall and will fit any lantern in which the Fitzall globe or Blizzard globe was formerly used.

Height, inches	6⅝
Diameter at bottom, inches	3 7/16
Diameter at top, inches	2 3/16

For Hy-Lo, Victor, Monarch, O. K., Royal, Crescent, No. 2 Blizzard, No. 2 Large Fount Blizzard hand lanterns; Buckeye dash lantern; King fire department lantern; No. 2 Blizzard and Underwriters mill lanterns; No. 30 Beacon, No. 15 and 25 wall lanterns.

Blizzard-Fitzall—White .....Per Dozen **$8.00**
Blizzard-Fitzall—Ruby .....Per Dozen **6.10**

Five dozen in a case; net weight of globes, 42 pounds; gross shipping weight 75 pounds.

D-Lite, Loc-Nob

For No. 2 D-Lite and No. 2 Large Fount D-Lite lanterns.

Height, inches	4⅝
Diameter at bottom, inches	3 7/16
Diameter at top, inches	4 7/16

D-Lite—White .....Per Dozen **$3 00**
D-Lite—Ruby .....Per Dozen **6 10**

Five dozen in a case; net weight of globes 20 pounds; gross shipping weight 66 pounds.

Little Wizard, Loc-Nob

For Little Wizard hand lanterns and roadster wagon lanterns.

Height, inches	3⅛
Diameter at bottom, inches	2⅛
Diameter at top, inches	3¼

Little Wizard—White .....Per Dozen **$2.80**

Five dozen in a case; net weight of globes 20 pounds; gross shipping weight 40 pounds.

Junior

For Junior hand lanterns and Junior wagon lanterns

Height, inches	5 1/16
Diameter at bottom, inches	2 1/16
Diameter at top, inches	2⅜

Junior—White .....Per Dozen **$2 80**

Six dozen in a case; net weight of globes 34 pounds, gross shipping weight 65 pounds

Tubular

For all styles of lanterns using this kind of tubular globe.

Height, inches	6⅝
Diameter at bottom, inches	3⅜
Diameter at top, inches	2⅜
Diameter at bulge, inches	4½

No. 0, Tubular—White, with Bullseye .Per Dozen **$3.00**
No. 0, Tubular—Ruby, plain .....Per Dozen **6.00**

Five dozen in a case; net weight of globes, 42 pounds; gross shipping weight 75 pounds

CHINA WARE

CHINA WARE

MONTEREY

White Semi-Vitreous Porcelain

BAKERS

Size, in.	Meas., in.	Wt. Dz., Lbs.	Per Dozen	Size, in	Meas., in.	Wt. Dz., Lbs.	Per Dozen
3	5⅝	5	$2.10	7	9	19½	$3 60
4	6¼	8	2 10	8	10	27¾	5.40
5	7½	10	2.40	9	11	33	7.20
6	8	13½	3.00	10	13	39	9.00

BOWLS

			Oyster	Oyster
Sizes	3⅜S	3⅝S	3⅜S	3⅝S
Capacity, pints	1	1½	1	1½
Weight per dozen, lbs.	5¼	8¼	9	11
Per Dozen	$2.40	3.00	2.40	3 00

BUTTERS

Covered—Loose drainers, size 5 inches; measures 8¼ inches; weight per dozen 14½ lbs..Per Dozen $10.80

Individual—Measures 3½ inches; weight per dozen 1 pound .....Per Dozen $0 60

CAKE PLATES

Size, inches	8
Measures, inches	9½
Weight per dozen, lbs.	14
Per Dozen	$4 80

CASSEROLES

		Notched
Size, inches	7	8
Measures, inches	8⅝	9⅛
Weight per dozen, lbs.	23½	27
Per Dozen	$14.40	18.00

CELERY TRAYS

Size, inches	12x5½
Measures, inches	13½x6½
Weight per dozen, lbs.	14
Per Dozen	$8.10

COVERED DISHES

Size, inches	5	7
Measures, inches	8	10
Weight per dozen, lbs.	20	23½
Per Dozen	$9 00	12.60

CREAMS

Sizes	3⅜S	Individual
Capacity, ounces	14	8
Weight per dozen, lbs.	6	3¾
Per Dozen	$3 60	3.00

COFFEES

Handled

Capacity of cups 10 ounces; diameter of saucers 6 inches.

Per Dozen

Cups and Saucers—Weight per dozen 8¾ pounds..$3.15
Cups Only—Weight per dozen 3¾ pounds..... 2.10
Saucers Only—Weight per dozen 5 pounds..... 1.05

A. D. Handled

Capacity of cups 4 ounces; diameter of saucers 4¾ inches.

Per Dozen

Cups and Saucers—Weight per dozen 3¾ pounds...$2.40
Cups Only—Weight per dozen 1¾ pounds..... 1.50
Saucers Only—Weight per dozen 2 pounds..... .90

St. Denis, Unhandled

Capacity of cups 10 ounces; diameter of saucers 6 inches.

Per Dozen

Cups and Saucers—Weight per dozen 8¼ pounds..$2.70
Cups Only—Weight per dozen 3½ pounds..... 1.65
Saucers Only—Weight per dozen 4¾ pounds... 1 05

CUSTARDS

Footed, Handled

Measures, inches	6
Weight per dozen, lbs.	3¼
Per Dozen	$2 70

Footed, Unhandled

Measures, inches	6
Weight per dozen, lbs.	3½
Per Dozen	$2 40

DISHES

Size, in.	Meas., in.	Wt. Dz., Lbs.	Per Dozen	Size, in.	Meas., in.	Wt. Dz., Lbs.	Per Dozen
3	7	5	$1.80	8	11⅜	15	$3.00
4	8	6	1.80	9	12⅞	20½	4.20
5	9	7	1.95	10	14	22¼	5.40
6	10⅛	9	2.10	12	15⅞	35	9.00
7	11⅛	12½	2 40	14	17⅝	56	12.60

FRUITS

Sizes, inches	4	5
Measures, inches	5¼	6¼
Weight per dozen, lbs.	3¼	6⅛
Per Dozen	$0.90	1 05

EGG CUPS

Style	Double
Capacity, ounces	8
Weight per dozen, lbs.	3½
Per Dozen	$2.10

JUGS

Sizes	Cap., Pts.	Wt. Dz., Lbs.	Per Dozen	Sizes	Cap., Pts.	Wt. Dz., Lbs.	Per Dozen
48S	1	6½	$3 00	24S	4	17¾	$6.00
42S	1¼	9	3.60	12S	5	21	8.10
36S	1¾	10½	4 20	6S	6	26	12.00
30S	2¾	13¾	4.80	4S	8	32	16.20

NAPPIES

Size, in.	Meas., in	Wt. Dz., Lbs.	Per Dozen	Size, in.	Meas., in.	Wt. Dz., Lbs.	Per Dozen
3	4	5	$2 10	7	9	15¼	$3.60
4	5½	6	2.10	8	9⅞	18¼	5.40
5	7	8	2 40	9	10¾	24½	7.20
6	8	11½	3 00	10	12	26	9.00

OATMEALS

Size	36S
Measures, inches	6¼
Weight per dozen, lbs.	5½
Per Dozen	$1.88

PICKLES

Measures, inches	3¼
Weight per dozen, lbs.	6¼
Per Dozen	$3.60

SUGARS

Regular

Size	30S
Capacity, ounces	18
Weight per dozen, lbs.	9
Per Dozen	$7 20

Individual

Capacity, ounces	8
Weight per dozen, lbs.	6
Per Dozen	$6 30

PLATES

Flat

Size, inches	4	5	6	7	8
Measures, inches	6⅜	7¼	8⅛	9	10
Weight per dozen, lbs	4½	5¾	8	10½	12¼
Per Dozen	$1 20	1.35	1 65	2 10	2.55

Coupe

Size, inches	6	7
Measures, inches	7½	8⅝
Weight per dozen, lbs.	8¼	10¼
Per Dozen	$1.95	2 40

Deep

Size, inches	6	7
Measures, inches	8	9⅝
Weight per dozen, lbs.	10	11¼
Per Dozen	$1 95	2 40

SAUCE BOATS

Regular

Size	2S
Capacity, ounces	15
Weight per dozen, lbs.	7½
Per Dozen	$4 80

TEAS

Handled

Capacity of cups 8 ounces; diameter of saucer 7¼ inches.

Per Dozen

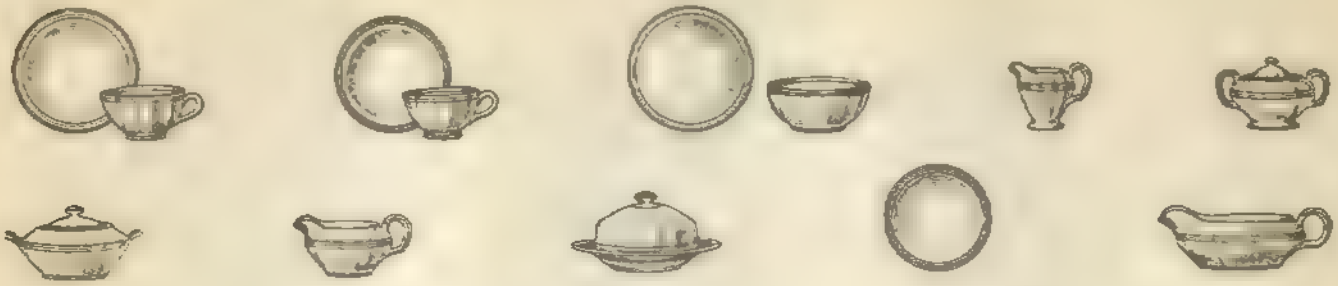
Cups and Saucers—Weight per dozen 7¼ pounds..$2 70
Cups Only—Weight per dozen 3¼ pounds..... 1.80
Saucers Only—Weight per dozen 4 pounds..... .90

CHINA WARE

MAYFLOWER SHAPE

White Semi-Vitreous Porcelain, Decoration No. 8117B

This is a decoration showing two gold lines, with blue line between being a simple and harmonious design and a big seller on account of its neat and attractive appearance. It is the famous Mayflower shape.



BAKERS

Size, inches	3	4	5	6
Measure, inches	5 ½	6 ½	7 ¼	8
Weight dozen, lbs.	3	4 ¾	5 ¾	8 ¾
Per Dozen	$2 98	2.98	3.40	4.25
Size, inches	7	8	9	10
Measure, inches	9 ¼	10	11	12
Weight dozen, lbs.	10	14 ¼	21	28
Per Dozen	$5.10	7.65	10.20	12 75

BOWLS

			Oyster	Oyster
Sizes	368	308	368	308
Capacity, pints	¾	1 ¼	1	1 ½
Weight dozen, lbs.	4 ¾	6 ¼	9	11
Per Dozen	$3 40	4.25	3.40	4.25

BOUILLONS

Capacity of cups 7 ounces; diameter of saucers 5 ¾ inches

	Per Dozen
Cups and Saucers—Weight per dozen 6 pounds	$5.31
Cups Only—Weight per dozen 2 ¾ pounds	3 82
Saucers Only—Weight per dozen 3 ¼ pounds	1.49

BUTTERS

Covered—Loose drainers; size 5 inches; measures 7 ½ inches; weight per dozen 23 ½ lbs. Per Pound $15 30

Individual—Measures 3 ½ inches; weight per dozen 1 pound Per Dozen $0.85

CAKE PLATES

Size, inches	7
Measures, inches	9
Weight per dozen, lbs	12
Per Dozen	$6 80

CASSEROLES

Size, inches	7	*8
Measures, inches	8 ½	9 ½
Weight per dozen, lbs.	17 ½	23 ¾
Per Dozen	$20.40	25 50

*With notched covers.

CELERY TRAYS

Size, inches	10
Measures, inches	12
Weight per dozen, lbs	14
Per Dozen	$11 48

COFFEES

Handled

Capacity of cups 9 ounces; diameter of saucers 6 ¼ inches.

	Per Dozen
Cups and Saucers—Weight per dozen 7 pounds	$4 78
Cups Only—Weight per dozen 3 ½ pounds	3 19
Saucers Only—Weight per dozen 3 ½ pounds	1 59

St. Denis, Unhandled

Capacity of cups 9 ounces; diameter of saucers 6 ¼ inches.

	Per Dozen
Cups and Saucers—Weight per dozen 7 pounds	$3.83
Cups Only—Weight per dozen 3 ½ pounds	2 34
Saucers Only—Weight per dozen 3 ½ pounds	1 49

COVERED DISHES

Size, inches	7
Measures, inches	9 ½
Weight per dozen, lbs.	18
Per Dozen	$17 85

CREAMS

Sizes	308	Individual
Capacity, ounces	10	4
Weight per Dozen, lbs.	3 ¼	2
Per Dozen	$5 10	4.25

CUSTARDS

Handled

Capacity, ounces	6 ½
Weight per dozen, lbs	3
Per Dozen	$3 83

DISHES

Size, inches	9	10	12	14
Measures, inches	11 ¼	13 ¼	15 ¼	17 ¼
Weight dozen, lbs.	14 ¾	21 ½	36	42
Per Dozen	$5 95	10.20	15 30	22 95

EGG CUPS

Style	Double
Capacity, ounces	7
Weight per dozen, lbs.	3
Per Dozen	$4 25

CALF WEANERS

KANT-SUK

A Weaner and Leader in One

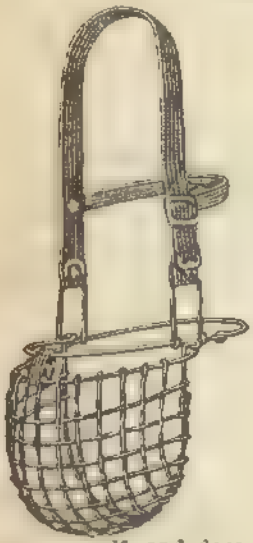
A perfect humane and effective device that sells the whole year round. The hinge construction allows the calf and cow to graze in the same pasture, yet effectually prevents sucking. It is easily applied and adjusted

Malleable iron, heavily tinned, light, strong and sanitary

Nos.	1055	1056
Suitable for	Calves	Cows
Width closed, inches	4	5
Size of nose ring, inches	1⅝x⅞	2x1⅛
Weight per dozen about, lbs.	3	4½
Per Dozen	$4.00	5.00

One dozen in a box

GENUINE SHAW



Wire Basket Design

This famous weaner has been very popular for many years. It has every quality that can recommend a weaner, absolutely efficient, durable and satisfactory for service. Made of good, strong material, tinned, rust-proof.

Absolutely cannot injure either cow or calf, and does not interfere with calf's feeding on grass or grain.

Complete with best webbing halters with steel tipped ends.

Nos.	1	2	3
For	Calves & Colts	Yearlings	Cows
Dozen in box	1	1	½
Weight dozen, lbs.	9	10	15
Per Dozen	$5.50	6 50	8 00

HORSE AND OX MUZZLES

BROMWELL

Japanned

No. 1—Light; mesh No. 18 wire, rim No. 12 wire; weight per dozen about 5 pounds .Per Dozen $0.65

Galvanized

No. 6—Heavy; mesh No. 16 wire, rim No. 10 wire; weight per dozen about 6 pounds .Per Dozen $2.00

Open stock.

LOCK RIB

Hold-Fast, Coppered Wire

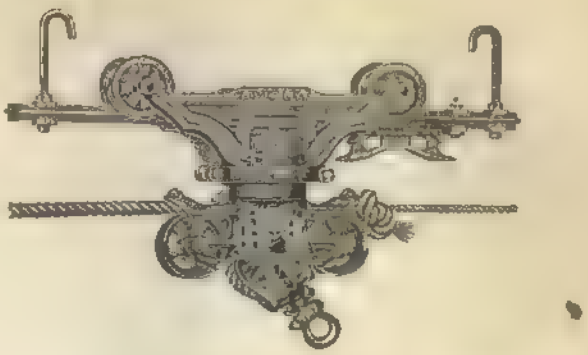
The most dependable and satisfactory horse muzzle on the market; well made from heavy gauge coppered wire; square ears for straps; flat steel ribs

No. 10—Weight per dozen 11⅛ pounds ...Per Dozen $4.00

Open stock

HAY CARRIERS

MYERS CLOVER LEAF UNLOADER



For Double Steel Track

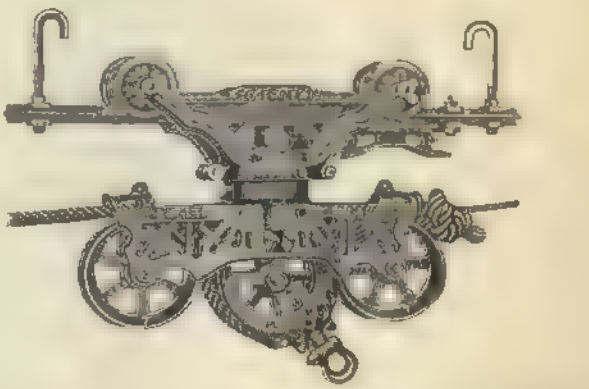
Swivel and reversible; rope draft; made of malleable iron throughout; 16 inch truck; heavy and substantially made, fitted with wide open mouth to receive fork pulley when approaching in any direction; has swinging fork pulley, which relieves the carrier from all strain when drawing hay over a high beam or into a well filled mow; the track wheels revolve on ⅞ inch turned steel axles; rope sheaves have longer hub than any other make of carrier.

The lock is composed of three parts and has no springs; the locking device grasps the fork pulley on either side and permits it to swing free.

No. 114—Weight 28 pounds Each $10 25

Open stock.

MYERS CLOVER LEAF UNLOADER



For Double Steel Track

Swivel and reversible; for rope or cable draft; 16 inch truck; made of best annealed malleable iron, thoroughly braced, which insures strength sufficient to withstand the most severe usage; the rope sheaves are 7 inches in diameter with 1⅞ inch turned steel bearings; this style of bearing will give more service and is easier to operate than any other style of sheave; rope or cable is a special feature used only on Myers line of Unloaders and enables the farmer to use either style he may desire.

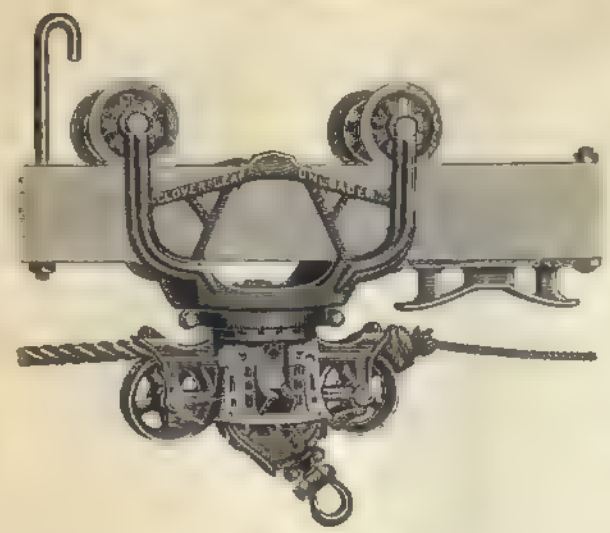
This Unloader is made with a large open mouth, swinging fork pulley and double force lock which engages the frame of the fork pulley on both sides, allowing the load to swing clear, avoiding strain.

No. 124—Weight 40 pounds..... Each $12.50

Open stock.

HAY CARRIERS

MYERS CLOVER LEAF UNLOADER



For Wood Track

Swivel and reversible; for rope draft; with ⅞ inch axles and oil openings; fitted with wide open mouth to receive fork pulley; rope sheaves and track wheels fitted with large turned bearings; can be reversed by reversing the swivel or by drawing the rope through from end to end; fills all requirements and enables the dealers to supply customers with this style of machine.

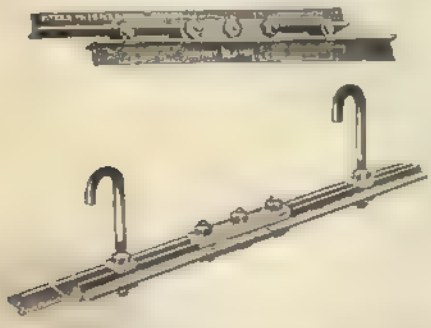
Has swinging fork pulley, a great advantage in drawing hay into the mow when filled near roof.

No. 120—Weight 12 pounds.....Each $10.25

Open stock

HAY CARRIER TRACK

MYERS PATENT, DOUBLE STEEL



With Joint Clamps and Bolts, without Hanging Hooks

Made by placing two T steel rails together; held in place by clamps and hanging hooks, with space between so hanging hook can be placed where it concides with rafter, thus making it a very convenient track to put up. Hanging hook serves as a clamp also, and adds much in holding track to place, serving for clamp and hanging hook

When track is clamped together it becomes very stiff, and is the most complete device known for a hay or merchandise carrier track; easily put up; no riveting; a wrench is the only tool needed; it is a complete system.

Joint clamp is composed of two pieces of malleable iron and three ½ inch bolts.

No. 824—5 and 12 foot lengths; weight per foot about 2 pounds . Per Foot $0 26

Open stock

HAY CARRIER TRACK FIXTURES

END STOPS

For Meyers Patent Double Steel Track

Two furnished with each carrier; designed to prevent trolley from running off track at either end.

No. 1042—Malleable iron .....Each $0 25

Open stock.

KNOCKERS OR TRIP BLOCKS

For Steel or Wood Track

For use with Myers Clover Leaf unloaders; complete with bolt.

No. K—Size 7⅝x1¾ inches; weight each 1¾ pounds .....Each $0.80

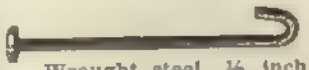
Open stock

HANGING HOOKS

For No. 824 Myers Double Steel Track

No. 302—Diameter ½ inch; length 6 inches; wrought steel; complete with 2 clamps and nut; weight each about 1 pound.....Per 100 $18.00

Open stock.



For Wood Track

Wrought steel, ½ inch diameter; complete with nut. Measurements on these hangers are taken after bending.

No. 267—Length 14 inches; weight each about 1 pound. .....Per 100 $15.00

Open stock

FLOOR HOOKS

Wrought Steel

No. 266—Diameter, inches....	⅝	¾
Length, inches	6½	7
Weight each, oz.....	10	14
Per 100	$15 00	18.00

Open stock.

RAFTER BRACKETS

Steel

Used in putting up wood or steel track. V shaped; used to support hanging hook by nailing to peak of rafters or cross beam, and held to rafters by using heavy nails; saves expense of lumber and labor of fitting same to rafters, and is much better as the hanging hook is shorter, occupying less space. One for each hanging hook

No. 301—Steel; weight each about 4 oz ...Per 100 $6 00

Open stock

ROPE HITCHES

Myers Patent

Wanted by every farmer who uses a horse hay fork; no more hard knots to untie, nor wasting of rope by cutting knot open; rope released from whiffletree instantly; hitch shortened to any desired length by drawing on end of rope; twist in rope removed by means of swivel instead of going to end to effect working of carrier.

No. 376—Malleable iron; weight each about 1½ pounds. .....Each $0 40

Open stock

HAY FORK PULLEYS

MYERS SPECIAL

Malleable Frame

Frame extends around entire surface of sheave. This is a great protection to the rope. The frame is made in two separate pieces riveted together at the swivel eye; malleable iron clevis and steel bolt; specially designed for rough usage.

No. 1124—Diameter of sheave 6 inches; weight per dozen 48 pounds .....Per Dozen **$15.00**

Open stock.

MYERS COMMON

All Cast Iron

No. 692—Common; all cast iron pulley; frame reinforced with heavy ribs on edge and center; sheave 5½ inches in diameter, with solid axle; weight per dozen 40 pounds.....Per Dozen **$6.60**

Open stock

CAST FRAME KNOT PASSING

Iron Sheave

No. 820—Heavily ribbed and extra strong frame; will pass a large splice or knot; 1 inch loose pin; 6 inch sheave; swivel eye; weight per lozen 45 pounds.....Per Dozen **$8.40**

Open stock.

MYERS O. K. PLAIN

Wood Sheave

Frame has heavy ribs and swivel eye, and follows the rim of the sheave to a point nearly opposite the axle. This not only gives great strength to the pulley but prevents the wearing of the rope in drawing over the side of the cast frame as is the case on nearly all plain pulleys.

No. 1133—Diameter of axle 1⅛ inches; sheave made of hard maple dipped in hot oil, weight per dozen 39 pounds .....Per Dozen **$7.20**

Open stock.

MYERS O. K. KNOT PASSING

Wood Sheave

With special heavy ribbed frame which follows the rim of the pulley down to a point opposite the axle. The frame is flanged out from the edge of the pulley so as to form an easy approach for the rope.

The frame is made of two separate halves riveted together.

No. 1120—With 1 inch loose pin; axle 1⅛ inch diameter; 6 inch hard maple sheave dipped in hot oil; weight per dozen 44 pounds.....Per Dozen **$8.40**

Open stock.

When in a hurry for goods send us a Mail Order. We ship promptly. Don't wait for our salesman's regular visit.

HAY CARRIER FORKS

Closed.

NELLIS

Single Harpoon

Set

No. 773—Length from guard to point 27 inches; malleable iron head, wrought steel blade, tool steel point, finely finished in red enamel; weight each about 11 pounds.....Each **$5.00**

Open stock.

MYERS DOUBLE HARPOON

Closed

Heavy Spring Steel Frame

No cross bar, easy to trip, extra large capacity. Open hearth spring steel, ¼x1¼ inch.

Having no cross bar, the forcing of it into the hay starts the barbs to open when fork is nearly loaded, thus compressing bundle and enabling fork to take a larger load.

Levers held in position by a spring, never get loose or drop open in loading.

Set.

A special feature is the manner in which trip rope is attached to levers, which permits fork to be tripped from any direction, whether it be sidewise, edgewise, or at any angle.

No. 1314—Japanned frame, width 16 inches, length over all 40 inches; weight each 21 pounds....Each **$3.00**

Open stock.

MYERS LOCK LEVER

Open

Heavy Spring Steel Frame

Sets with one lever and locks either open or closed. While not larger than regular double harpoon (except in width), has 50 per cent more capacity, owing to cross bar being placed nearer top while it gathers grain or hay from end of point and not two inches from bottom, like old style forks.

Set

Trip rope being placed at top assists greatly in withdrawing fork from mow, as tines trail and do not catch on beams.

No. 670—Japanned frame, length from end of point to cross bar 30 inches, length over all 36 inches, width 19 inches; weight each 24 pounds.....Each **$5.75**

Open stock.

HARRIS DOUBLE HARPOON

Regular

No. 268.

No. 268—Spring steel tines black japanned, length of tines from cross bar 25 inches, width 16 inches, weight each 16 pounds.....Each **$2.50**

Extra Length

No. 451—Spring steel tines, black japanned, length of tines from cross bar 31 inches, width 16 inches; weight each 18 pounds .....Each **$2.25**

Open stock.

No. 451.

MACHINISTS VISES

REED

Finest grade cast iron, with suitable percentage of steel. Tool steel faced jaws, securely welded on. Jaws have deep, cross-milled corrugations giving superior grip. Broached body, machined sliding bar. Nut with milled base fits into milled slot in body, quickly and easily replaced if necessary. Screw is also renewable.

Stationary Base, Stationary Jaw

This is the Reed basic design and from which all other bench models have been patterned.

Nos.	Width of Jaw, Inches	Jaw Opens, Inches	Depth of Opening, Inches	Weight Each, Lbs.	
102	2	3	2	10½	$ 8 25
102½	2½	3½	2⅜	14½	9 00
103	3	4	2½	22	10 00
103½	3½	5	2⅝	29	11 25
104	4	6	2⅞	43	12 75
104½	4½	7	3¼	57½	15 50
105	5	8	3⅝	73	20 00
105½	5½	9	4	103	30 00
106	6	11	4⅜	135	39 00
107	7	12	5⅛	175	55 00

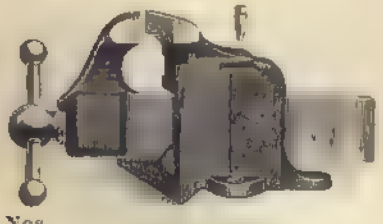
Open stock

Swivel Base, Stationary Jaw

Clamping device is a wedge shaped bolt-head fitting in an inverted wedge shaped channel, locked by a clamping nut

Nos.	Width of Jaw, Inches	Jaw Opens, Inches	Depth of Opening, Inches	Weight Each, Lbs.	
202	2	3	2	12½	$10 50
202½	2½	3½	2⅛	20	12.00
203	3	4	2⅞	27	13.00
203½	3½	5	2¾	38	15.00
204	4	6	2⅞	51	17.00
204½	4½	7	3¼	66	20.00
205	5	8	3¾	89	30 00
205½	5½	9	4	120	38 00
206	6	10	4⅛	153	52 00
207	7	12	5⅛	204	70.00

Open stock.



Stationary Base, Swivel Jaw

Jaw adjusts itself to hold tapered or irregular pieces. Swivel action secured by taper stay-pin in back jaw.

Nos.	303	303½
Width of jaw, inches	3	3½
Jaw opens, inches	3½	4
Depth of opening, inches	3⅛	3⅛
Weight each, lbs.	25	35
Each	$15.00	16.00

Open stock.

WOOD WORKERS VISES

PRENTISS BULLDOG COACH MAKERS

Solid Jaws, Stationary Base

Castings made of mixture of gray iron and steel. Jaws are solid and do not swivel. The steel jaw faces are finished perfectly smooth and have large surfaces to protect the wood from injury. High jaws and long arm. Deep throat and wide opening.

No.	59
Jaws, inches	4½
Opens, inches	9
Weight, lbs.	48
Each	$16.25

Open stock.

OVAL SLIDE VISES

PARKER

Stationary Base

For light garage or household use. Semi-steel castings; jaws faced with high grade steel, cast on. All parts are renewable.

Nos.	080	80	81	82	84
Jaw, inches	2	2½	3	3½	4
Opens, inches	2¾	3	3½	4	4¼
Weight, lbs.	7½	8	13½	19½	29
Each	$4 00	5 50	6.50	7.50	12 00

Open stock.

BLACKSMITHS VISES

INDIAN CHIEF

Solid Box

Improved design to give strength, power of grip, and uniformity of design. Jaws solid steel drop forging, faced with ½ inch crucible tool steel. Screw is a solid one-piece steel forging. Thread of 29 degree angle; a great improvement on the old square thread, as it is stronger at the root and moves with less friction. Concave and convex surfaces on box, screw and washers, make a perfect ball bearing at whatever point vise is opened; impossible to break, bend or strip thread

Nos.	Jaws, inches	Vise Open, inches	Depth from Top of Jaw to Top of Box, in.	Weight Each, Lbs.	Each
35	3¾	3⅜	3¼	35	$10.00
40	4	4	3½	40	10.50
45	4¼	4⅛	3¾	45	11.00
50	4½	4½	4¼	50	11.50
55	4¾	4⅜	4½	55	12 00
60	5	5	4½	60	13 00
65	5	5	4½	65	14 00
70	5¼	5¼	4¾	70	15.00
80	5½	5½	5	80	17.50
100	6	6	5½	100	22 00

Open stock.

GARAGE OR HOUSEHOLD VISES

AMERICAN

Stationary Base

Semi-steel body and jaw; draw bar, draw bar handle and screw of machine steel, square thread, machine cut, jaws accurately ground to perfect fit and knurled; tops of jaws and anvil face polished, black enameled finish, trimmed in red; bolts for fastening to bench not furnished

No. 3—Width of jaws 3 inches; jaws open 3 inches; weight each 18 pounds . . . . . Each $5 00

One in a carton

STANLEY VICTOR

Clamp Base

The screw (body, head and collar) is of one piece of cold rolled steel with a square, lathe-cut thread working in a malleable nut. A patented split washer is placed under head of screw to take up wear

Iron Jaws				Steel Jaws			
Nos.	Jaws, Weight, in.	lbs.	Each	Nos.	Jaws, Weight, in.	lbs.	Each
741	1½	3	$2 25	761	1½	3	$3 00
742	1¾	3¼	2 50	762	1¾	3¼	3 25
743	2	3½	3 00	763	2	3½	3 50
744	2¼	4	3 50	764	2¼	4	4 00
745	2½	5	4 00	765	2½	5	5 00
746	3	8¾	6 50	766	3	8¾	7 50

One in a paper package

Swivel Base, Steel Jaws.

The screw (body, head and collar) is of one piece of cold rolled steel with a square, lathe-cut thread working in a malleable nut. A patented split washer is placed under head of screw to take up wear; jaws are hardened, ground and filed to fit

Nos.	772	773	774	775	776
Jaws, inches	1¾	2	2½	2½	3
Weight, lbs.	3	3½	4½	5½	9½
Each	$3 25	3 75	4 75	5 00	7.50

One in a paper package

COMBINATION PIPE VISES

REED

Swivel Base

Milled tool steel pipe jaws, removable; front pipe jaw, reversible; semi-steel body castings; swivel base locking device, lugs on body and base plate interlock to prevent turning when hand nut is firmly screwed up.

Nos.	31	32	33	34
Jaws, inches	3½	4½	5	6
Opens, inches	4	5	6¼	8¼
Holds pipe, inches	⅛–2½	⅛–3½	⅛–4½	⅛–6
Weight, lbs.	46	72	119	178
Each	$16.00	22 00	32.00	45.00

Open stock

HAND VISES

MILLERS FALLS

All Steel

Jaws operated by heavy spring, controlled by hand nut and screw bolt; jaws checked to insure firm grip; black enameled body, polished jaws

No. 3—Length, 7 inches; width of jaws 1½ inches; jaws open 1⅛ inches; weight each 1⅛ lbs. . . Each $5.25

One in a box.

Solid Wood Handle

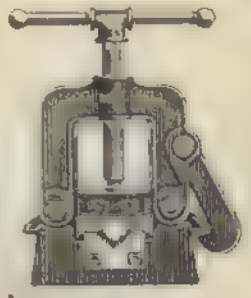
Handle is detachable and can be screwed into vise at right angles. Forged steel jaws; steel screw; exposed metal parts polished and nickel plated. A strong, well made vise, superior to the ordinary tool of this kind

No. 2 — Stained hardwood handle, length 7 inches; width of jaws 1¼ inches; jaws open 1 inch; weight each 14 ounces . . . . . Each $6 50

One in a box

HINGED PIPE VISES

REED SELF-LOCKING

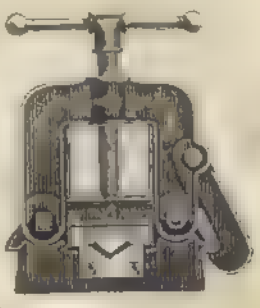


Standard

Tool steel pipe jaws, hardened and oil tempered; two holding bolts in both upper and lower jaws; hook and jaw clamps of superior design, type and strength; no front apron, can be mounted on any plane surface; base extension at back is flat on top, making it easy to get at the bolt heads.

Nos.	70	71	72	73
Holds pipe, inches	⅛–2	⅛–2½	⅛–3½	⅛–4
Weight each, lbs.	7	10	16	25
Each	$4 25	5 00	7.50	11 00
Jaws Per Set	1 75	1 75	2 50	3 50

Open stock.



Extra Heavy

Tool steel pipe jaws, hardened and oil tempered; three holding bolts in upper jaw, two in lower jaw; unbreakable locking hook; no front apron; can be mounted on bench, wagon bed or any plane surface; base extension at back is flat on top, making it easy to get at the bolt heads.

Nos.	63	64	84
Holds pipe, inches	⅛–4½	⅛–6	1–8
Weight each, lbs.	70	99	31
Each	$12 50	23 50	47 50
Jaws Per Set	3 50	6 00	9 50

Open stock

HINGED PIPE VISES

REED SELF-LOCKING

Clamp Kit

For the workers kit—to take to the job. Heavy and strong enough for average work, yet sufficiently light to be carried in the kit with other tools. May be quickly clamped to any convenient position, partition or plank. On cement work a plank wedged between floor and ceiling will serve. Does away with time wasted in laying out and boring holes. Unnecessary to carry brace, bit and tools for mounting. Hardened and tempered tool steel pipe jaws.

Nos.	9000	900	90	91
Holds pipe, inches	⅛–1½	⅛–1½	⅛–2	⅛–2½
Clamp opens, inches	2	2	3	3
Weight each, lbs.	4½	7	11	14
Each	$3 50	$ 50	$ 00	$ 50
Jaws ....Per Set	$1 20	$1 40	$1 75	$1 75

Open stock

CHAIN PIPE VISES

WILLIAMS VULCAN

For Holding Pipe, Bolts, Bars, Shafts, Etc.

Unbreakable, compact, rapid in action and positive in gripping pipe. All sizes can be fastened to bench or post; Nos. 1 and 2 adapted for carrying by hand or in tool bag. Adjustment made by engaging rivets of chain with a series of stepped bosses on base when vise may be locked by turn of handle. Wrought steel; drop forged jaws of saw tempered steel for file sharpening; proof-tested flat link chain

Nos.	1	2	3	4
For pipe, inches	⅛–2	⅛–4	½–6	½–8
Size folded for packing, lbs.	4x5x6	6x8x8	8x9x11	8x10x12
Weight each, lbs.	4	10	18	30
Each	$7.00	15 00	27 00	$6.00

Nos. 1 and 2, one in a box; Nos. 3 and 4, open stock.

EXTRA PARTS FOR VULCAN PIPE VISES

For Wrench Nos.	Jaws Per Pair	Chain With Screw Each	Screw Each	Handle with Nut Each	Nut Each
1	$3.00	2 50	.80	2.20	1 40
2	7.00	4.80	1.40	4.20	2 70
3	12 00	9 00	2.50	7.00	4 00
4	18 00	12 00	2.50	7.00	4 00

Our Automotive Accessories Department is most complete. We are adding constantly to this branch of our business carefully selected articles that appeal to the discriminating motorist.

CHAIN PIPE WRENCHES

WILLIAMS VULCAN

Single End Non-Reversible Jaw

Wrought steel; drop forged jaws with straight cut teeth; jaws fastened to handle with one steel stud; proof-tested flat link chain; chain swings from center and can be used on either side of jaw. For turning or holding pipe and pipe fittings.

Nos.	Capacity Inches	Length Over All Inches	Length of Jaw Inches	Breaking Strain Lbs.	Weight Each Lbs.	Each
10	⅛–¾	11¾	2½	3600	1¾	$5 00
11	⅛–1½	20	3½	6700	3¾	7 00
12	⅛–2½	27	4½	9800	10	10 00
13	⅛–4	37	6½	12500	16	14 00
13½	1–6	47½	8½	14300	24	18 00
14	1½–8	59½	10½	15700	31	22 00
15	2–12	84½	15½	21800	50	36 00

Open stock.

EXTRA PARTS FOR VULCAN PIPE WRENCHES

For Wrench— Nos.	10	11	12	13	13½	14	15
Chain ...Each	$1.50	2.00	3 00	5.00	7.00	9.00	15.00
Jaws ....Pair	2.00	3 50	5.50	8.00	9.50	11.00	15.00
Bolt and Nut, Set	.28	.36	.46	.60	.70	.90	1.30

WILLIAMS IMPROVED VULCAN

Double End Reversible Jaw

Wrought steel; drop forged jaws with straight cut teeth; jaws fastened to handle with two steel studs, may be quickly changed end for end as teeth first in use wear; proof-tested flat link chain; chain swings from center and can be used on either side of jaw. For turning or holding pipe and pipe fittings

Nos.	Capacity Inches	Length Over All Inches	Length of Jaw Inches	Breaking Strain Lbs.	Weight Each Lbs.	Each
30	⅛–¾	11¾	2½	3600	1¾	$5 00
31	⅛–1½	20	3½	6700	3¾	7 00
32	⅛–2½	27	4½	9800	10	10 00
33	⅛–4	37	6½	12500	16	14 00
33½	1–6	47½	8½	14300	24	18 00
34	1½–8	59½	10½	15700	31	22 00
35	2–12	84½	15½	21800	50	36 00

Open stock

EXTRA PARTS FOR IMPROVED VULCAN PIPE WRENCHES

For Wrench— Nos.	30	31	32	33	33½	34	35
Chain ...Each	$1.50	2.00	3.00	5.00	7.00	9 00	15 00
Jaws ....Pair	2.00	3.50	5.50	8.00	9.50	11 00	15.00
Nuts and Studs, Set	.40	.50	.70	.90	1.10	1.40	1 80

WOOD SAWS

SIMONDS

Double Brace

Double brace frame, double riveted, painted red and varnished.

No. 105—Complete with No. 415, 2⅝ inches wide, special thin back blade, length 30 inches, and No. 161 tinned rod; weight per dozen 80 pounds...Per Dozen **$25.00**

Half dozen in a box

BAY STATE BRAND

Double Brace

Double brace frame, single riveted, painted red and varnished

No. 106—Complete with No. 435 breasted blade, 2 inches wide, thin back, length 30 inches, and No. 160 plain rod; weight per dozen 70 pounds. Per Dozen **$18.50**

Half dozen in a box

WOOD SAW RODS

SIMONDS

Swivel Loop

No. 160—Swivel loop rod, plain; length 24 inches; weight per dozen 5 pounds ..... Per Dozen **$2.00**

One dozen in a bundle

ONE-MAN CROSS CUT SAWS

SIMONDS

Tuttle Tooth

Straight taper ground, with supplementary handle.

No. 111—Feet	3	3½	4	4½	5
Weight each, lbs.	3⅛	4	4¾	5½	6½
Each	$5.00	5.75	6.50	7.00	8.00

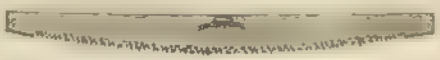
Open stock.

WIDE CROSS CUT SAWS

SIMONDS CRESCENT GROUND

Simonds special high grade crucible steel; crescent ground, polished and etched, five gauges taper from the middle of the saw to the back and two gauges taper from the ends of the saw to the back; filed and set ready for use

Note—Prices on wide cross cut saws do not include handles. If handles are wanted they must be purchased separately.



Two Cutting Teeth to Each Raker

Thickness, 15 gauge on teeth edge and 20 gauge on back in lengths under 6 feet; 6 feet and over, 14x19 gauge. Filed and set ready for use; handles not included

No. 18—Length, feet..	5	5½	6	6½	7
Width at center, in...	6⅛	6⅝	7	7½	8
Weight each, lbs.....	5¼	6¼	7½	8½	9½
Each	$11.00	12.00	14.00	16.00	18.00

Open stock.

Lance Tooth, Perforated

Four cutting teeth to each raker; 15 gauge on teeth edge and 20 gauge on back in lengths under 6 feet; 6 feet and over, 14x19 gauge. Filed and set ready for use; handles not included

No. 22—Length, feet.	5	5½	6	6½	7
Width at center, in...	6⅛	6⅝	7	7½	8
Weight each, lbs	5¼	6¼	7½	8½	9½
Each	$11.00	12.00	14.00	16.00	18.00

Open stock.

Lance Tooth, Cottonwood Pattern

Slightly narrower than regular wide saws. Four cutting teeth to each raker; 15 gauge on teeth edge and 20 gauge on back in lengths under 6 feet; 6 feet and over, 14x19 gauge. Filed and set ready for use; handles not included

No. 324—Length, ft.	5	5½	6	6½	7
Width at center, in...	5⅛	5⅛	5⅞	6¼	6½
Weight each, lbs....	4½	5¼	6	6¾	7½
Each	$11.00	12.00	14.00	16.00	18.00

Open stock

Cottonwood Pattern

Slightly narrower than regular wide saws. Two cutting teeth to each raker; 15 gauge on teeth edge and 20 gauge on back in lengths under 6 feet; 6 feet and over, 14x19 gauge. Filed and set ready for use, handles not included.

No. 316—Length, ft.	5	5½	6	6½	7
Width at center, in	5⅛	5⅛	5⅞	6¼	6½
Weight each, lbs.	4½	5¼	6	6¾	7½
Each	$11.00	12.00	14.00	16.00	18.00

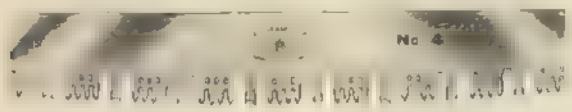
Open stock

WIDE CROSS CUT SAWS

Note—Prices on Wide Cross Cut Saws do not include handles. If handles are wanted they must be purchased separately

ATKINS SILVER STEEL, SEGMENT GROUND

Being thicker at the ends, they are stiff and do not buckle, and as they are thinnest at the center of the back, they have ample clearance, enabling them to be operated easily and with very little set.



Perfection Pattern Tooth

Medium blade for medium size timber. Designed for cutting yellow pine, hardwoods and resinous, knotty timber Unsurpassed for speed and light running. Used principally by expert timber cutters and woodsmen east of the Mississippi river and in the south. Gauge 15x20 and 14x20.

No. 4—Length, feet....	5	5½	6	6½
Width at center, inches..	5¾	5¾	6	6¼
Weight each, lbs...	4¼	5	6	6½
Each	$10.00	11 80	13.60	15 90

Open stock

Perfection Pattern Tooth

Has four cutting teeth and raker, designed for cutting yellow pine, hardwoods and resinous, knotty timber. Unsurpassed for speed and light running. A great favorite with expert timber cutters who prefer a high grade saw, and low cost in upkeep. Gauge 14x19.

No. 553—Length, feet..	5	5½	6	6½
Width at center, inches..	5¼	5½	6¾	6
Weight each, lbs.....	4½	5	5¾	6¼
Each	$10.00	11.80	13 60	15.90

Open stock.

ATKINS SPECIAL STEEL

Thin Back, Tuttle Tooth, Diamond Point

Special steel, patent tempered, patent ground; workmanship unequaled; warranted. Gauge 14x19.

No. 332—Length, feet...	5	5½	6	6½
Width at center, inches..	5¾	6¼	7	7¾
Weight each, lbs.....	4¼	5¼	7	8
Each	$8.14	9 02	9 78	10.56

Open stock

Thin Back, Tuttle Tooth, Diamond Point

Special steel, patent tempered, patent ground; workmanship unequaled, warranted. Gauge 14x20

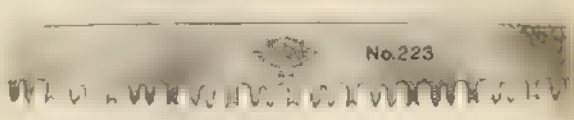
No. 332½—Length, feet...	5	5½	6	6½
Width at center, inches...	5¾	6¼	7	7¾
Weight each, lbs.....	4	5	6	7
Each	$8 80	9.70	10.50	11 20

Open stock.

WIDE CROSS CUT SAWS

Note—Prices on Wide Cross Cut Saws do not include handles. If handles are wanted they must be purchased separately.

ATKINS SPECIAL STEEL



Lone Star, Diamond Tooth

Special steel, patent tempered, patent ground; workmanship unequaled: warranted. Gauge 14x18.

No. 223—Length feet. ..	5	5½	6	6½
Width at center, inches..	5	5½	5⅝	5¾
Weight each, lbs.....	3¾	4½	5½	6¼
Each	88 24	9 12	9 88	10.74

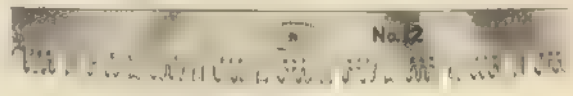
Open stock

FELLING CROSS CUT SAWS

Note—Prices on Felling Cross Cut Saws do not include handles. If handles are wanted they must be purchased separately

ATKINS SILVER STEEL, SEGMENT GROUND

Being thicker at the ends, they are stiff and do not buckle, and as they are thinnest at the center of the back, they have ample clearance, enabling them to be operated easily and with very little set.



Perfection Pattern Tooth

With narrow blade used principally for felling or cutting small timber. Designed for cutting yellow pine, hardwoods and resinous, knotty timber. Unsurpassed for speed and light running. Gauge 14x17

No. 12—Length, feet....	5	5½	6	6½
Width at center, inches..	4½	4½	4½	4½
Weight each, lbs.....	4	4¾	5¼	6
Each	$10 00	11.80	13 60	15 90

Open stock.

NARROW CROSS CUT SAWS

Note—Prices for Narrow Cross Cut Saws do not include handles. If handles are wanted they must be purchased separately.

ATKINS SPECIAL STEEL

Hollow Back Victor, Lance Tooth Pattern

Special steel, patent tempered, patent ground, workmanship unequaled; warranted. Width at ends and center in all lengths 3¼ inches

No. 386—Length, feet....	5	5½	6	6½
Weight each, lbs.....	3½	4	4½	5
Each	$5.16	5 72	6 16	6 70

Open stock.

ATKINS SHEFFIELD STEEL

Hollow Back, Diamond Tooth

Sheffield steel, patent tempered, patent ground; workmanship unequaled, warranted. Width at ends and center in all lengths 3¼ inches.

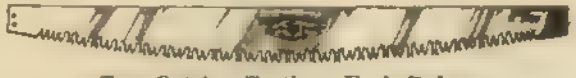
No. 484—Length, feet....	5	5½	6	6½
Weight each, lbs.....	3½	4	4½	5
Each	$3.72	4.10	4 46	4.84

Open stock.

WIDE CROSS CUT SAWS

BAY STATE

Note—Prices on Wide Cross Cut Saws do not include handles. If handles are wanted they must be purchased separately.

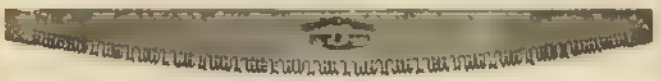


Two Cutting Teeth to Each Raker

Simonds steel, spring temper, warranted; 14 gauge on teeth edge and 18 gauge on back; filed and set ready for use; handles not included.

No. 200—Length, feet.	5	5½	6	6½	7
Width at center, in...	6⅛	6⅝	7	7½	8
Weight each, lbs.....	5¼	6¼	7½	8½	9½
Each	$8.00	8 50	9.00	10 00	10.50

Open stock.



Lance Tooth, Perforated.

Four cutting teeth to each raker; Simonds steel, spring temper, warranted; 14 gauge on teeth edge and 18 gauge on back; filed and set ready for use; handles not included.

No. 206—Length, feet.	5	5½	6	6½	7
Width at center, in...	6⅛	6⅝	7	7½	8
Weight each, lbs.....	5¼	6¼	7½	8½	9½
Each	$10 00	10.50	11.50	12.50	13.50

Open stock.

Regular Peg Tooth

Simonds steel, spring temper, warranted; 14 gauge on teeth edge and 18 gauge on back; filed and set ready for use; handles not included.

No. 207—Length, feet	5
Width at center, inches.....	5½
Weight each, lbs.....	5¼
Each	$7.50

Open stock.

NARROW CROSS CUT SAWS

BAY STATE, HOLLOW BACK

Two Cutting Teeth to Each Raker

Simonds steel, spring temper, warranted; 14 gauge on teeth edge and 18 gauge on back in all lengths, 14x18 gauge; filed and set ready for use; handles not included.

No. 210—Length, feet.	5	5½	6	6½	7
Width at center, in...	3¾	3¾	3¾	3¾	3¾
Weight each, lbs....	3¾	4¼	4⅝	5¼	5½
Each	$8 50	8 75	4.00	4 50	5 00

Open stock

Lance Tooth, Perforated

Simonds steel, spring temper, warranted; four cutting teeth to each raker; 14 gauge on teeth edge and 18 gauge on back in all lengths, 14x18 gauge; filed and set ready for use; handles not included

No. 214—Length, feet.	5	5½	6	6½	7
Width at center, in...	3¾	3¾	3¾	3¾	3¾
Weight each, lbs .	4¼	4¼	4¾	5¼	5½
Each .	$5 50	6 00	6 50	7 00	7 50

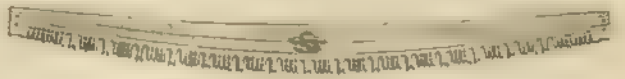
Open stock.

FELLING CROSS CUT SAWS

SIMONDS CRESCENT GROUND

Simonds special high grade crucible steel; crescent ground, polished and etched, five gauges taper from the middle of the saw to the back and two gauges taper from the ends of the saw to the back; filed and set ready for use.

Note—Prices on Felling Cross Cut Saws do not include handles. If handles are wanted they must be purchased separately.

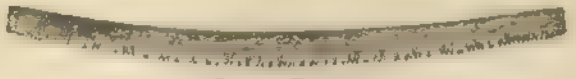


Lance Tooth, Perforated.

Four cutting teeth to each raker; 14 gauge on teeth edge and 19 gauge on back; filed and set ready for use; handles not included

No. 133—Length, feet.	5	5½	6	6½	7
Width at center, in...	5⅛	5⅛	5⅝	5¾	6
Weight each, lbs.....	4¼	5	5⅝	6½	7¼
Each	$11.00	12 00	14.00	16.00	18 00

Open stock.



Lance Tooth

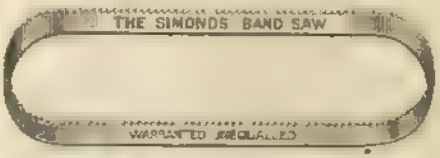
Four cutting teeth to each raker; 14 gauge on teeth edge and 18 gauge on back; filed and set ready for use; handles not included.

No. 325—Length, feet.	5	5½	6	6½	7
Width at center, in...	5⅛	5⅛	5⅝	5¾	6
Weight each, lbs.....	4½	5	5½	6	6½
Each	$11.00	12.00	14.00	16.00	18 00

Open stock

NARROW BAND SAWS

SIMONDS



In 250 foot Coils

Note—Narrow band saws are furnished set and filed but not brazed. When ordering, always give length, width, gauge and number of teeth per inch. There is always one more point per inch than there are teeth.

Heavy figures show saws, which the majority of the trade specify in the various sizes, on which prompt shipment is made.

Width, Inches	Per Foot	Gauge	Teeth Per Inch	Gauge	Teeth Per Inch	Gauge	Teeth Per Inch
¼	$0.13	21	5	21	4		
⅜	.14	21	4	21	5		
½	.15	21	4	21	3		
⅝	.16	21	3	21	4		
¾	.18	21	3	20	3		
⅞	.20	20	2½	20	3		
1	.22	20	3	20	2	20	2½
1⅛	.24	20	2				
1¼	26	20	2	20	3		
1⅜	28	20	2				
1½	.32	20	2	20	3		

Above prices cover saws set and filed but not brazed.

If not filed and set, deduct 4 cents per foot

Brazing—¼ to ½ inch, 75 cents each; ⅝ to ⅞ inch, 90 cents; 1 to 1¼ inch, $1.05; 1⅜ to 1¾ inch, $1.20.

PIPE WRENCHES

GENUINE WALWORTH STILLSON

Drop forged from bar steel, scientifically heat treated; all parts interchangeable; does not crush nor lock upon the pipe, but releases its hold instantly. Each size has a single front spring; each size 10 to 24 inches inclusive has a double (2) back spring.

Wood Handle

Length open, inches	6	8	10	14
Takes pipe, inches	⅛ to ½	⅛ to ¾	⅛ to 1	⅛ to 1½
Weight each, lbs.	½	¾	1½	
Each	.82 00	2.25	2.50	3 50

Six in a box

Steel Handle

Length Open, In.	Taking from	Weight lbs.	Each
6	⅛ in. wire to ½ in. pipe	½	$2.00
8	⅛ in. wire to ¾ in. pipe	¾	2 25
10	⅛ in. wire to 1 in. pipe	1½	2 50
14	¼ in. wire to 1½ in. pipe	3	3 50
18	¼ in. wire to 2 in. pipe	5	5.00
24	¼ in. wire to 2½ in. pipe	8½	7.25
36	½ in. pipe to 3½ in. pipe	16¾	13.50
48	1 in. pipe to 5 in. pipe	24	20 00

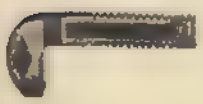
Sizes 6 to 24 inches, six in a box; 36 and 48 inches, open stock

Extra Parts for Genuine Walworth Stillson Wrenches

Wood Handle Bar

Wood Handle

Steel Handle Bar



Jaw

All prices each

For wrench..	6	8	10	14	18	24	36	48
Bars with Spgs.	$0.95	1.00	1.10	1.50	2 25	3.50	7.00	10.50
Jaws	.75	.80	.85	1.15	1.75	2.25	4.35	7.50
Frames	.38	.42	.50	.60	.75	.95	1.70	2.20
Adj. Nuts	.12	.15	.20	.30	.35	.55	1.10	1 50
Wood handles	.16	.16	.18	.25				
End nuts	.15	.15	.20	20				
Frame pins	.03	.03	.04	0	04	04	0	05
Spring rivets	.01	.01	.02	.02	02	02	02	02
*Springs	.10	.10	.10	10	10	11	13	14
*Number of Springs to each wrench	1	1	3	3	3	3	1	1

*Each size of Wrench has a single front spring. Each size 10 to 24 inches inclusive has a double (2) back spring

PIPE WRENCHES

TRIMO

Drop forged from selected bar steel; interchangeable in all parts. Never locks on the pipe, crushes the pipe or slips. Grips firmly and releases rapidly. Inserted jaw in handle can be replaced when dull or worn. Round threads on movable jaw and nut, will not strip. Equipped with nut guards and pressed steel frame.

Wood Handle

Length open, inches	6	8	10	14
Takes pipe, inches	⅛	⅛ ¾	⅛	¼ 1½
Weight each, lbs.	½	¾	1½	3
Each	$2 00	2.25	2 50	3 50

Six in a box

Steel Handle

Length Open, In.	Taking from	Weight lbs.	Each
6	⅛ in. wire to ½ in. pipe	½	$2.00
8	⅛ in. wire to ¾ in. pipe	¾	2.25
10	⅛ in. wire to 1 in. pipe	1½	2 50
14	¼ in. wire to 1½ in. pipe	3	3 50
18	¼ in. wire to 2 in. pipe	5	5 00
24	¼ in. wire to 2½ in. pipe	8½	7.25
36	½ in. wire to 3½ in. pipe	16¾	13.50
48	1 in. wire to 5 in. pipe	24	20.00

Sizes 6 to 18 inches, six in a box; 24 and 48 inches, open stock.

Extra Parts for Trimo Pipe Wrenches

All prices each except Nut Guards per pair

For wrench	6	8	10	14	18	24	36	48
Movable jaw	$0 7	8	85	1 15	1 75	2 2		7
Nut	12	15	20	30	3	55	1 10	1 70
Insert jaw	7	.40	70	60	70	.80	1.10	2 00
Frame	10	55	85	70	9	1.40	2.20	2 70
Springs	0	02	0	03	01	04	10	04
Frame pins	0	03	04	04	04	.04	07	07
Jaw pins	0	03	01	04	04	04	05	05
Wood handles	.16	.16	.18	.25				
Steel handles	.95	1.00	1.10	1.50	2.25	3.50	7 00	10.5
Nut guards	.15	.15	.20	.30	35	.45	.65	

PIPE AND NUT WRENCHES

BEMIS & CALL COMBINATION

Long Nut; Black Finish

Useful on general work as it obviates employing two wrenches. The long nut gives greatly increased power to jaws on worn out nuts and grasping pipe. Head, bar and shank one piece steel forging.

No. 46—Lgth., in.	8	10	12	15	18
Takes pipe, inches	¼ ¾	¼ 1	½ 1⅜	½ 2⅛	½ 3
Weight dozen, lbs.	16	24	35	55	84
Per Dozen	$27 00	30 00	36 00	48 00	87 00

Size 8 to 15 inches, half dozen in package; 18 inch, open stock.

WRENCHES

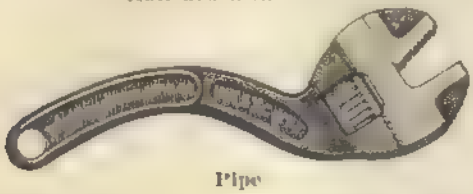
KEYSTONE WESTCOTT ADJUSTABLE "S"

Nut

Most convenient wrench for general use. Can be used in many places inaccessible to the monkey wrench. Malleable handle, forged steel jaw

Nos	76	78	80	82	84
Size, inches	6	8	10	12	14
Opens, inches	¾	1	1⅜	1⅝	2
Weight dozen, lbs.	5⅝	11	19½	33	51
Per Dozen	$8 00	10 00	12 00	18 00	24 00

Half dozen in a box.



Pipe

Convenient for steam or gas fitters use. Can be used to advantage in corners or in contracted spaces. Has firm grip and releases quickly. Malleable handle, forged steel jaw.

Nos.	76P	78P	80P	82P	84P
Size, inches	6	8	10	12	14
Takes pipe, inches	⅛–⅝	⅛–¾	⅛–1	⅛–1¼	⅛–1½
Weight dozen, lbs.	6⅛	11½	20⅝	34½	5[illegible]
Per Dozen	$8.00	10.00	12 00	18.00	24 00

Half dozen in a box

AGRICULTURAL

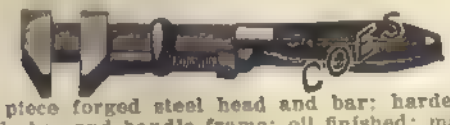
Standard

Forged steel head, bar and shank; machine cut steel adjusting screw, with knurled head; one piece polished hardwood handle; metal parts all smoothly finished in dull black

Length, inches	6	8	10	12	15
Jaws open, inches	⅞	1¼	1[illegible]	2[illegible]	2⅝
Weight per dozen, lbs.	9	16	22	28	2[illegible]
Per Dozen	$10 00	12.00	14 00	18.00	24 00

Half dozen in a package

COES GENUINE KNIFE HANDLE



One piece forged steel head and bar; hardened semi-steel slide bar and handle frame; oil finished; machine cut steel screw with knurled head; hardwood handle; sides secured at both ends by insertion under metal and riveted under pressure.

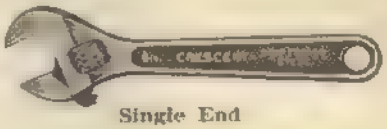
Length, inches	6	8	10	12
Opens, inches	⅛	1⅛	1⅝	2[illegible]
Weight per dozen, lbs.	9	15	26	4[illegible]
Per Dozen	$15.00	18.00	22 00	28 00

Length, inches	15	18	21
Opens, inches	2½	3⅛	4
Weight per dozen, lbs.	58	79	107
Per Dozen	$38.00	48.00	58 00

6 to 12 inch, half dozen, 15 and 18 inch, third dozen; 21 inch, twelfth dozen in a box.

CRESCENT ADJUSTABLE

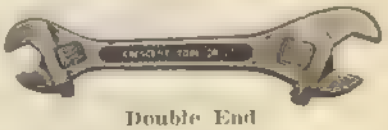
Handles drop forged from best carbon steel, hardened all over. Special alloy steel movable jaw. Thumb screw can be turned by thumb of the hand holding the wrench and the opening easily adjusted. Entire wrench is carbonized, hardened and oil tempered. Polished all over except web in handle, which is black oil finish



Single End

Nos.	A14	A16	A18	A110	A112	A115	A118
Length, in.	4	6	8	10	12	15	18
Opens, in.	½	⅝	⅞	1⅛	1⅜	1¾	2
Wt. dz., lbs.	1½	3¾	7½	13½	24	52	84
Per Dozen	$7 80	9 00	12.00	18 00	27 00	39 00	54 00

One in a box.



Double End

Designed especially for use of repair men, machinists, automobilists and others with whom weight and space are important. Parts interchangeable with single end Crescent wrenches.

Nos.	B146	B168	B1810	B11012
Size, inches	4–6	6–8	8–10	10–12
Opens, inches	½–¾	¾–⅞	⅞–1⅛	1⅛–1⅜
Weight per dozen, lbs	4	8¼	14¼	2[illegible]
Per Dozen	$13.20	15.00	18.00	24 00

One in a box

REPAIR PARTS FOR CRESCENT WRENCHES

Jaws

Nos.	A14J	A16J	A18J	A110J
For wrench, inches	4	6	8	10
Each	$0 25	.25	.30	.40

Nos.	A112J	A115J	A118J
For wrench, inches	12	15	18
Each	$0.60	.85	1.15

Knurls

Nos.	A14K	A16K	A18K	A110K
For wrench, inches	4	6	8	10
Each	$0.10	.10	.12	.15

Nos.	A112K	A115K	A118k
For wrench, inches	12	15	18
Each	$0.25	.35	.55

Pins

Nos.	A14P	A16P	A18P	A110P
For wrench, inches	4	6	8	10
Each	$0 05	.05	.05	.05

Nos.	A112P	A115P	A118P
For wrench, inches	12	15	18
Each	$0.10	.10	.10

Springs

Nos.	A14S	A16S	A18S	A110S
For wrench, inches	4	6	8	10
Each	$0.05	.05	.05	.05

Nos.	A112S	A115S	A118S
For wrench, inches	12	15	18
Each	$0.05	.05	.05

Note—Repair parts for the regular single end wrench are interchangeable with the double end wrench parts.

WRENCHES

WILLIAMS "ALWAYS READY" WRENCHES

Black Body, Bright Jaws

Holds square or round iron. High carbon drop forged steel, oil tempered.

Nos.	1	2	2½
Length, inches	5	7	9½
Holds iron, inches	¼–¾	¼–1 1/16	¼–1 5/16
Weight per dozen, lbs.	5½	9½	20¼
Per Dozen	$6 50	9 00	15 00

Half dozen in a box.

WILLIAMS "BULL TERRIER" WRENCHES

Polished

Drop forged steel, oil tempered jaws; polished and lacquered.

Bull Terrier—Length 5½ inches; holds pipe ⅛ to ⅜ inch, round iron ¼ to ⅝ inch; weight per dozen 3¾ pounds .....Per Dozen $5 00

Half dozen in a box.

DOUBLE HEAD ENGINEERS WRENCHES

For U. S. Standard Thread Nuts

Williams

15 Degree Angle Semi-Finished Thread

Drop forged steel, milled and case hardened; body black lacquered; heads ground bright.

Nos.	For U. S. Std. Nuts, Size Bolt, inches	For Hex. Head Cap Screws; Dia. Screw inches	For S.A.E. Std. Nuts and Cap Screws; Size Bolt, inches	Approx. Length Over All, inches	Each
21	⅛-¼	⅛		3½	$0 34
22	⅜-½	⅛-¼		4	42
23	⅛-½			4	42
24	⅛-⅝			4½	50
25	¼-⅝			4½	50
26	¼-¾			5½	62
27	⅝-⅜	.....		6½	62
28	⅜-½	.....		6½	74
29	⅜-⅝	.....		6½	74
30	⅜-½	⅝	⅝	7½	90
31	⅛-½	⅝	⅝	7⅞	90
32	⅛-⅝	.....		8¾	1.14
33	½-⅝	⅝		8¾	1.10
34	½-⅝	⅝	⅝-¾	9½	1 30
35	½-⅝		⅝	9½	1.36
36	½-¾	1	⅝	11⅝	1 92
37	½-⅞	1	¾-⅞	11⅝	1 92
38	⅝-⅞		¾-1	13⅛	2 80
39	¾-⅞	1	⅞-1	13⅛	2 80
40	¾-1	1-1⅜	⅞-1⅛	15½	3 80
41	⅞-1	1⅜	1-1⅛	15½	3 80
42	⅞-1⅛	.....	1-1¼	17	5 30
43	1-1⅛	1⅜	1⅛-1⅜	17	5 30
44	1-1¼	1⅜	1⅛-1⅜	19	7 20
45	1⅛-1¼	. . .	1¼-1⅜	19	7.20
46	1⅛-1⅜	. .	1¼-1½	21	10 50
47	1¼-1⅜	. . .	1⅜-1½	21	10 50
48	1¼-1½	. . .	. . . .	23	14 00

SINGLE HEAD ENGINEERS WRENCHES

For U. S. Standard Thread Nuts

Williams

15 Degree Angle, Semi-Finished

Drop forged steel, milled and case hardened; body black lacquered; heads ground bright.

No.	For U. S. Std. Nuts, Size Bolt, In.	For Hex. Head Cap Screws, Dia. Screw In.	For S.A.E. Std. Nuts and Cap Screws; Size Bolt, In.	Opening Milled, In.	Extreme Length, In.	Thickness Head, In.	Each
0	5/16	.....	.....	13/16	3½	5/16	$0 30
1	¼	5/16	5/16	½	4	¼	36
2	5/16	.....	.....	9/16	4¾	5/16	44
3	3/8	.....	.....	11/16	5⅝	3/8	.52
4	7/16	.....	.....	13/16	6½	7/16	64
5	½	3/8	7/16	⅞	7½	1/2	.76
6	9/16	.....	.....	1 1/16	8⅜	9/16	.92
7	5/8	.....	¾	1 3/16	9¼	½	1 14
8	¾	1	⅞	1 3/8	11⅛	¾	1.50
9	⅞	.....	1	1 7/16	13	13/16	2 30
10	1	1⅜	1⅛	1 5/8	14¾	⅞	3 20
11	1⅛	.....	1¼	1 13/16	16½	15/16	4 20
12	1¼	.....	1⅜	2	18½	1	5 70
13	1⅜	.....	1½	2 1/16	20	1 1/16	7 30
14	1½	.....	.....	2⅜	22	1 1/16	9 20
15	1⅝	.....	.....	2 7/16	24	1 1/8	11 30
16	1¾	.....	.....	2⅝	25½	1 3/16	13 .
16A	1⅞	.....	.....	2 13/16	27	1 5/32	13 .
17	2	.....	.....	3⅛	29½	1⅜	20 .

DOUBLE HEAD "S" FLAT HANDLE WRENCHES

For U. S. Standard Thread Nuts

Williams, 22½ Degree Angle, Semi-Finished

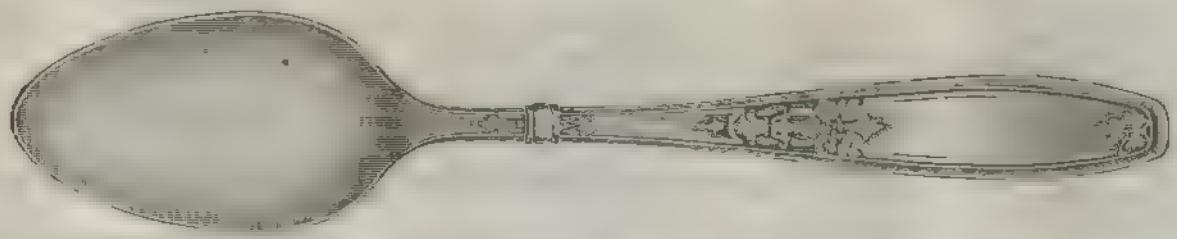
Drop forged steel, milled and case hardened; body black lacquered; heads ground bright.

Nos.	For U. S. Std. Nuts, Size Bolt, inches	For Hex. Head Cap Screws; Dia. Screw inches	For S.A.E. Std. Nuts and Cap Screws Size Bolt, inches	Extreme Length, inches	Each
661B	⅛-¼	⅛-5/16	5/16	4	$0 44
662R	¼	5/16	5/16	5	58
663A	5/16	. .	.	6¼	78
663C	5/16	. .	. . . .	6¼	78
664A	5/16-⅜	5/8	⅜	7½	1 06
664B	⅜	5/8	⅜	7½	1 06
665A	½-.	5/8	7/16	9	1 44
665B	½-5/8	5/8	½ 5/8	9	1 44
665C	7/16-5/8	. . .	¾	9	1 44
666B	5/8-⅞	1	¾ ⅞	10½	2 00
667A	¾-⅞	1	⅞-1	12	2.90
667C	⅞ 1	1⅜	1-1⅛	12	2.90
668B	1-1⅛	1⅜	1⅛-1¼	14	5 00
668C	1-1¼	1⅜	1⅛-1⅜	14	5 00

1847 ROGERS BROS. SILVERWARE

AMBASSADOR PATTERN—BRIGHT PLATINUM FINISH

A new design, rich in character. Combining graceful outline, with simplicity of ornament. This appeals strongly to all lovers of the beautiful.

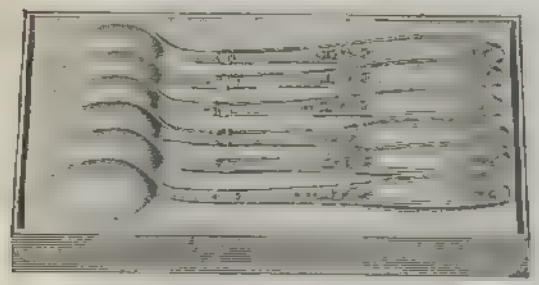


SPOONS

	Per Doz
No. 8401 (Old No. 47A6)—Teaspoons; length 6 ins; wt per doz about ¾ lb	$13 35
No. 8402 (Old No. 47A9)—Dessert spoons; length 7 ins; wt per doz about 1¼ lbs	25 80
No. 8403 (Old No. 47A12)—Tablespoons; length 8 ins; wt per doz about 1¾ lbs	26 70

Half doz in box.

ICE TEA SPOONS



	Per Doz
No. 84012 (Old No. 667A) Length 7¼ ins	$22 05

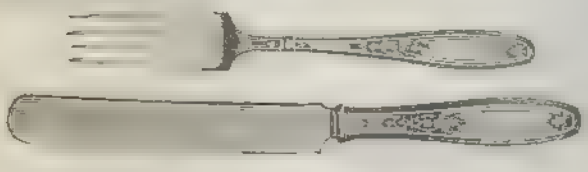
Set of six in blue velvet lined box; wt per doz about 2 lbs.

FLAT HANDLE FORKS

	Per Doz
No. 8405 (Old No. 47A9F)—**Medium**; length 7¼ ins	$26 70
No. 8406 (Old No. 47A9F)—**Dessert**; length 7 ins	25 80

One doz in box; wt per doz about 1½ lbs.

HOLLOW HANDLE KNIVES AND FORKS



Medium.

Length knives 10 ins; length forks 7¼ ins.

	Per Doz
No. 84401 (Old No. 47AHK)—Knives only	$43 35
No. 84416 (Old No. 47AHF)—Forks only	43 35

Half doz in flannel roll; wt per doz pieces about 2 lbs.

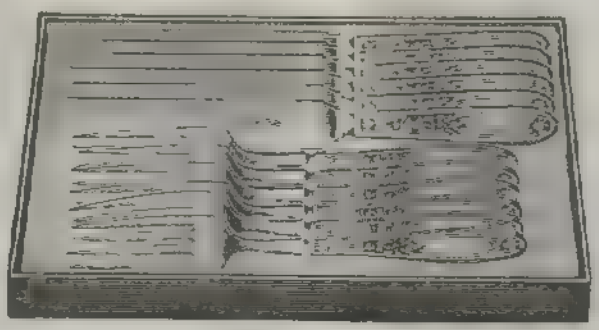
Dessert.

Length knives 8¾ ins; length forks 7½ ins.

	Per Doz
No. 84404 (Old No. 47AHDK)—Knives only	$42 45
No. 84417 (Old No. 47AHDF)—Forks only	42 45

Half doz in flannel roll; wt per doz pieces 1½ lbs.

SOLID HANDLE EMBOSSED KNIVES AND FORKS



Medium.

Length knives 10 ins; length forks 7¼ ins.

	Per Set
No. 84481 (Old No. 154½A)—Knives and forks in sets of six each	$18 24

Set of six in satin lined box; wt per set about 3½ lbs.

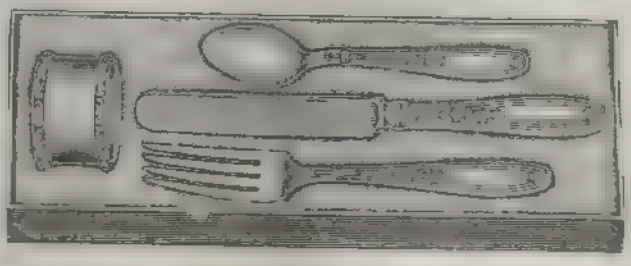
Dessert.

Length knives 8¾ ins; length forks 7½ ins.

	Per Set
No. 84482 Old No. 157½A)—Knives and forks in sets of six each	$17 94

Set of six in satin lined box, wt per set about 2 lbs.

CHILD'S SETS



Set consists of four pieces: hollow handle knife, flat handle fork, spoon and napkin ring.

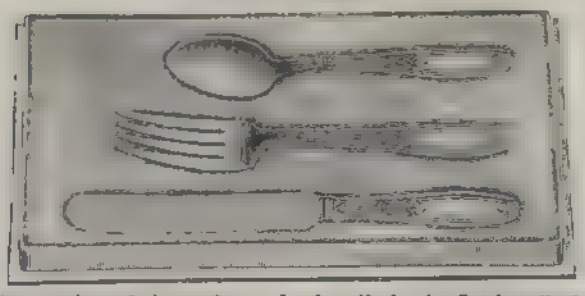
	Per Set
No. 703A—Length knife 7¼ ins; length fork 6¼ ins; length spoon 5½ ins	$8 19

Set in blue velvet lined box; wt per set about ¾ lb.

1847 ROGERS BROS. SILVERWARE

AMBASSADOR PATTERN—BRIGHT PLATINUM FINISH

CHILD'S SETS



Set consists of three pieces, flat handle knife, flat handle fork and spoon.

Per Set

No. 84352 (Old No. 116A)—Length knife 7¼ ins; length fork 6 ins; length spoon 5 ins ... **$5 25**

Set in blue velvet lined box; wt per set ½ lb.

CARVING SETS

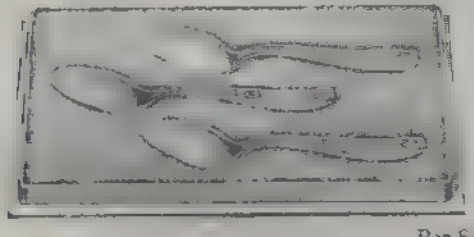
Set consists of three pieces, carver, fork and steel, all fitted with hollow handles

Per Set

No. 84436 (Old No. 605A)—Length carver 14 ins; length fork 7½ ins; length steel 10 ins ... **$29 55**

Set in blue velvet lined box; wt per set 2 lbs.

COFFEE SPOONS

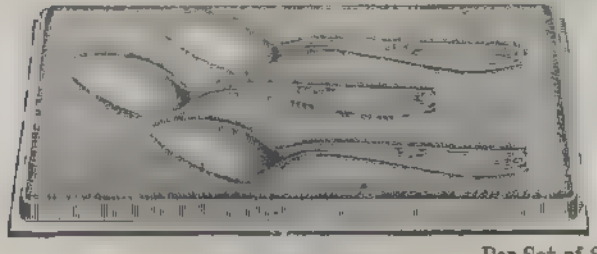


Per Set of Six

No. 84008 (Old No. 624A)—Length 4½ ins ... **$6 75**

Set of six in blue velvet lined box; wt per set ½ lb.

ORANGE SPOONS



Per Set of Six

No. 84014 (Old No. 647A)—Length 6 ins ... **$9 45**

Set of six in blue velvet lined box; wt per set ¾ lb.

1847 ROGERS BROS. SILVER WARE

AMBASSADOR PATTERN—BRIGHT PLATINUM FINISH

SOUP SPOONS

Per Set of Six

No. 8404 (Old No. 713A)—Length 7 ins ... **$13 35**

Set of six in blue velvet lined box; wt per set 1 lb.

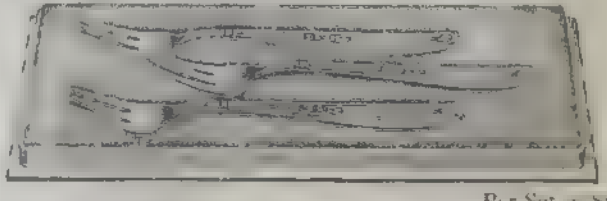
BOUILLON SPOONS

Per Set of Six

No. 84005 (Old No. 720A)—Length 5 ins ... **$12 60**

Set of six in blue velvet lined box; wt per set ¾ lb.

OYSTER FORKS

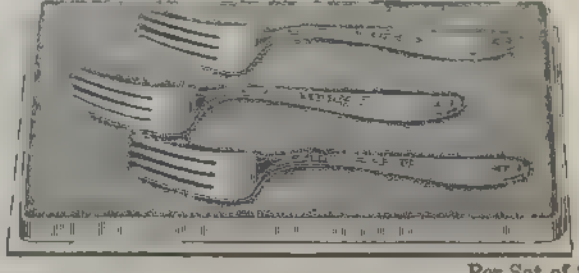


Per Set of Six

No. 84106 (Old No. 622A)—Length 5¾ ins ... **$8 82**

Set of six in blue velvet lined box; wt per set ¾ lb.

SALAD FORKS



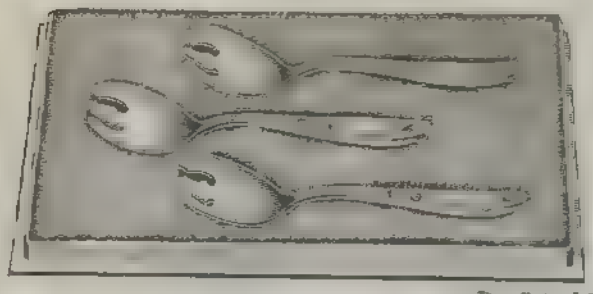
Per Set of Six

No. 84111 (Old No. 717A)—Length 6 ins ... **$13 86**

Set of six in blue velvet lined box; wt per set ¾ lb.

1847 ROGERS BROS. SILVERWARE
AMBASSADOR PATTERN—BRIGHT PLATINUM FINISH

ICE CREAM FORKS



Per Set of Six

No. 84105 (Old No. 781A)—Length 5 ins. **$10 65**
Set of six in blue velvet lined box; wt per set ¾ lb.

HOLLOW HANDLE FRUIT KNIVES

Per Set of Six

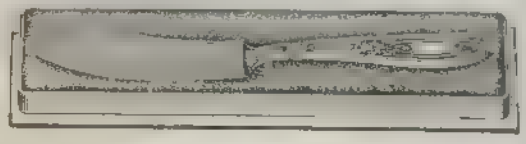
No. 84405 (Old No. 1HHA)—Length 7 ins. **$20 16**
Set of six in blue velvet lined box; wt per set 1 lb.

BUTTER SPREADERS

Per Set of Six

No. 84202 (Old No. 652A) Length 5½ ins. **$11 34**
Set of six in blue velvet lined box; wt per set ½ lb.

BUTTER KNIVES



Each

No. 84201 (Old No. 609A)—Length 7¼ ins. **$2 82**
One in blue velvet lined box; wt each ¼ lb.

BUTTER KNIFE AND SUGAR SHELL

Per Set

No. 84301 (Old No. 604A)—Length butter knife 7½ ins; length sugar shell 6 ins. **$5 25**
One set in blue velvet lined box; wt per set ½ lb.

1847 ROGERS BROS. SILVERWARE
AMBASSADOR PATTERN—BRIGHT PLATINUM FINISH

LADLES

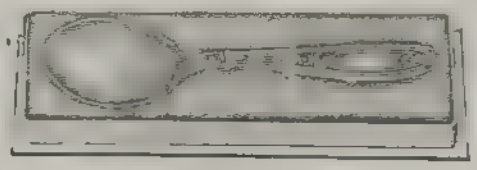
Each

No. 84226 (Old No. 610A)—**Cream**; length 5¾ ins. **$3 27**

No. 84227 (Old No. 611A)—**Gravy**; length 7¼ ins. **4 26**

No. 84229 (Old No. 613A)—**Medium Soup**; length 11¾ ins. **13 14**
One in blue velvet lined box; average wt each ½ lb.

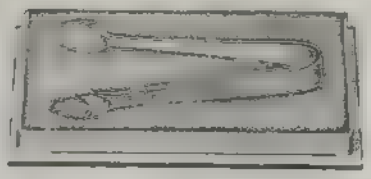
SUGAR SHELLS



Each

No. 84017 (Old No. 608A)—Length 6 ins. **$2 46**
One in blue velvet lined box; wt each ¼ lb.

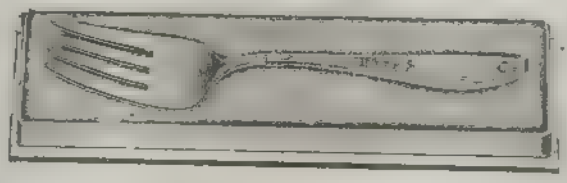
SUGAR TONGS



Each

No. 84277 (Old No. 747A)—Length 4⅛ ins **$3 39**
One in blue velvet lined box; wt each 2 ozs.

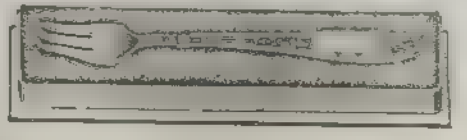
COLD MEAT FORKS



Each

No. 84103 (Old No. 662A)—Large; length 8⅛ ins. **$3 69**
No. 84104 (Old No. 663A)—Small; length 7 ins. **2 97**
One in blue velvet lined box; wt each ¼ lb.

PICKLE FORKS



Each

No. 84108 (Old No. 681A)—Length 6 ins. **$2 64**
One in blue velvet lined box; wt each 2 ozs.

1847 ROGERS BROS. SILVERWARE

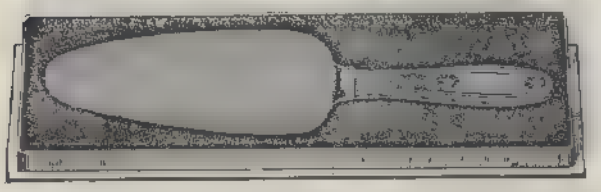
AMBASSADOR PATTERN—BRIGHT PLATINUM FINISH

BERRY SPOONS

	Each
No. 84004 (Old No. 616A) —Length 7½ ins	$4 86
No. 84003 (Old No. 615A)—Length 9½ ins	5 67

One in blue velvet lined box; wt each ¼ lb.

PIE SERVERS



	Each
No. 84254 (Old No. 62A) Length 10 ins	39 03

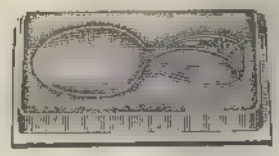
One in blue velvet lined box; wt each ¼ lb.

1847 ROGERS BROS. SILVERWARE

D 8

AMBASSADOR PATTERN—BRIGHT PLATINUM FINISH

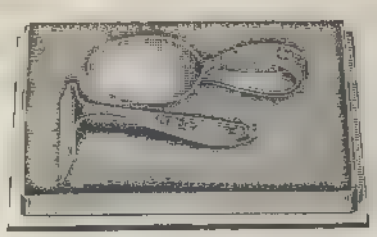
BABYSPOONS



	Each
No. 84001 (Old No. 725A) —Length 3½ ins	$1 89

One in blue velvet lined box; wt each 2 ozs.

BABY SETS



	Per Set
No. 84303 (Old No. 727A)—Length food pusher 4 ins; length spoon 3½ ins	$3 78

One set in blue velvet lined box; wt per set ¼ lb.

CHEST ASSORTMENTS

For chest assortment in Ambassador pattern see pages 2004 to 2006.

AC SPARK PLUGS

AC SPARK PLUGS

Type A Type B Type C

AC Spark Plugs are packed ten to a container. Dimensions of all containers, 6¾x3½x2¾ inches.

Type A ⅞ Inch Regular. Weight of container of ten, 2 lbs. 8 oz. Used on the following cars

*Cadillac	*‡Maxwell
*‡Flint Six	*‡Star
Hupmobile	

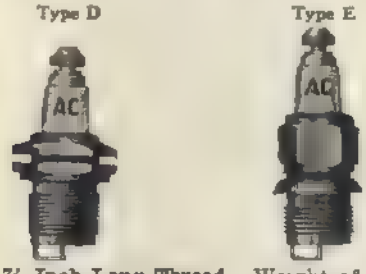
Type B ⅞ Inch Long. Weight of container of ten, 2 lbs. 4 oz. Used on the following cars:

*Buick to 1924	*‡Durant Four
*Chevrolet	*‡Oakland

Type C SAE Long. Weight of container of ten, 2 lbs. Used on the following cars.

*Buick	*Oakland to 1924
*Nash	*Oldsmobile Six

Type D Type E



Type D ⅞ Inch Long Thread. Weight of container of ten, 2 lbs. 6 oz. Used on the following cars:

*‡Chandler	*Hanson
*‡Cleveland	Rickenbacker
*‡Dodge Brothers	

Type E SAE Regular. Weight of container of ten, 2 lbs. 4 oz. Used on the following cars:

*Durant Six	Studebaker
*‡Marmon	*Velie
*‡Stearns-Knight	

AC Spark Plugs, any type ....each $1 00

*Factory equipment.
‡AC Carbon-proof recommended.

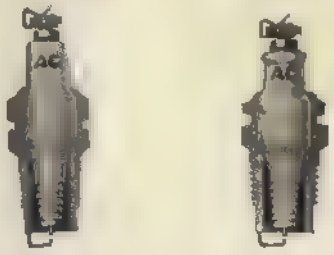
OTHER SIZES OF AC SPARK PLUGS

Type	Size
	Type G Regular Metric for *Hudson *Essex; Type J ⅛ Inch Regular Spec. for *Chrysler; Type K ⅞ Inch Regular Heavy Electrode for Fageol
F	⅛ Inch Regular
G-1	Regular Metric, Heavy Electrode
H	SAE Extra Long
L	Metric, Long Body, Long Thread
M	Metric, Long Body, Short Thread
I	⅞ Inch Long Body
N	Regular Metric Aircraft
O	Short Metric Special
P	Short Metric
Q	⅛ Inch Long
R	⅜ Inch Extra Long Body

AC Spark Plugs, any type except Type N.....each $1 00
AC Spark Plugs, Type N .. .. " . 1 50

AC SPARK PLUGS FOR FORD

Type T Type U



AC Spark Plug for Ford. Special features of both plugs include spring terminal clip, heavy body insulator, high temperature fins and heavy electrode. Weight of container of ten, 2 lbs. 1 oz.

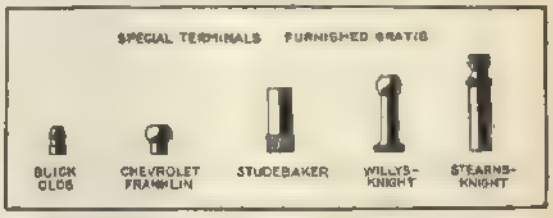
AC 1075 Type T Spark Plug. One-piece design, ½ Inch Regular. Hexagon of extra length permits easy and positive application of spark plug wrench.

AC 1075 Type U Spark Plug. Two-piece construction permits taking plug apart, ½ Inch Regular.

AC 1075 Spark Plugs for Ford, either type...each $0 75

AC 1075 Insulators for Type U Spark Plug, extra ..... " 35

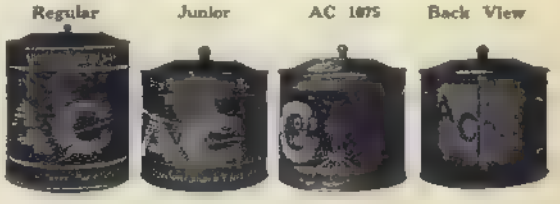
AC CARBON-PROOF SPARK PLUGS



AC Carbon-Proof Spark Plugs are made in all sizes and carry the same letter designation with the word Carbon-proof across the end of the carton and container. In ordering, be sure to specify "Carbon-proof."

AC QUICK SELLERS

Regular Junior AC 1075 Back View



AC Quick Seller is an added salesman. It occupies but little counter space and enables the dealer to place a handy and adequate stock on the counter convenient to the point of purchase. Any type may be had by bringing stock of AC Spark Plugs to the capacity of type desired; shipped no charge from distributor's stock.

There are three types:

Type	Holds Plugs	Size, In.	Shpg. Wt., Lbs.
Regular	140	14¼x18	20
Junior	50	10¾x11½	8½
AC 1075	50	10¾x11½	8½

A-C SPARK PLUG SPECIFICATIONS

PASSENGER CARS

Name of Car	Size, Inch	Type
*Ace	SAE Regular	E
*Ajax	[illegible]	A
American	[illegible]	B
*Ambassador	[illegible]	A
*Anderson	[illegible]	A
*Apperson Eight	SAE Regular	E
*Apperson Six 1924	SAE [illegible]	H
Auburn	[illegible] Regular	A
Briscoe	[illegible] Regular	A
*Buick (to 1924)	[illegible] Long	B
*Buick	SAE Long	C
*Cadillac	[illegible] Regular	A
*Case	[illegible] Regular	A
*Chalmers	[illegible] Regular	A
Champion	[illegible] Regular	A
*Chandler (to 1923)	[illegible] Long Body	I
*Chandler 1923	[illegible] Regular	A
*Chandler Pikes Peak	[illegible] Reg.-Lg. Thread	D
*Checker Cab	[illegible] Regular	A
*Chevrolet	[illegible]	B
*Chrysler	[illegible]	J
*‡Cleveland	[illegible] Reg.-Lg. Thread	D
*Cole	[illegible] Regular	A
Columbia	[illegible] Regular	A
Crawford	[illegible] Regular	A
Crow-Elkhart	[illegible] Regular	A
Cunningham	[illegible] Reg.-Lg. Thread	D
*Daniels	[illegible] Regular	A
*Davis	[illegible] Regular	A
Dixie Flyer	[illegible] Regular	A
*Dodge Brothers	[illegible] Reg.-Lg. Thread	D
Dorris	[illegible] Regular	A
*Dort Four	[illegible] Regular	A
*Dort Six	SAE Extra Long	H
*Duesenberg	[illegible] Regular	G
*Dupont	[illegible] Regular	A
*‡Durant Four	[illegible]	B
*Durant Six	SAE Regular	E
*‡Eagle	[illegible]	B
Earl	[illegible] Regular	A
Economy	SAE Regular	E
Elcar	[illegible] Regular	A
Elgin	SAE Extra Long	H
Empire	[illegible] Regular	A
*Essex	Regular Metric	G
Falcon	[illegible] Regular	F
*Fergus	Regular Metric	G
Fiat	[illegible] Regular	A
*‡Flint 40	[illegible] Regular	A
*‡Flint 55	[illegible] Regular	A
Ford	[illegible] Regular, AC 1075	
Franklin	SAE [illegible]	C
*Frontmobile	[illegible] Regular	A
Gardner	[illegible] Regular	A
Grant	[illegible] Regular	A
‡Gray	[illegible] Regular	A
*Gray-Dort Six	[illegible]	H
*Gray-Dort Four	[illegible] Regular	A
H C S	SAE Regular	E
Hamlin-Holmes	[illegible] Regular	A
*Haynes	SAE Regular	E
Hollier	[illegible] Regular	A
Holmes	[illegible] Regular	A
*Hudson (to 1921	[illegible] Regular	A
*Hudson	Regular Metric	G
Hupmobile Four	[illegible] Regular	A
Hupmobile Eight	Regular Metric	A
*Jackson	[illegible] Regular	A
Jeffery	[illegible] Regular	A
Jewett	[illegible] Regular	A
‡Jones	[illegible] Regular	A
‡Jordan	[illegible] Regular	A
King	[illegible] Regular	A
*Kissel	[illegible]	B
Kline-Kar	[illegible] Regular	A
*LaFayette	[illegible] Regular	A
Lenox	[illegible] Regular	A
Lexington	SAE Regular	E
Liberty	[illegible] Regular	A
Lincoln	[illegible] Regular	A
Locomobile	[illegible] Regular	A
London Six	SAE Regular	E
*Lorraine	[illegible] Regular	A
*Mailbohm	[illegible] Regular	A
Marion-Handley	[illegible] Regular	A
*Marmon	SAE Regular	E
*‡Maxwell	[illegible] Regular	A
*McFarlan	[illegible] Extra Long	H
*McLaughlin	[illegible]	C
*McLaughlin (to 1924	[illegible]	B
Mercer	[illegible] Regular	A
Meteor	[illegible] Regular	A
Metz	SAE Regular	E
Meta (up to 1919)	[illegible] Regular	F

PASSENGER CARS

Name of Car	Size, Inch	Type
Mitchell	SAE Regular	E
Moline-Knight	[illegible] Regular	A
Monitor	[illegible] Regular	A
Monroe	[illegible] Regular	E
Moon	[illegible] Regular	A
Moore	[illegible] Regular	A
*Nash Four	SAE Long	C
*Nash Six	SAE Long	C
*National	[illegible] Regular	A
*Nelson	[illegible] Regular	A
*Noma	[illegible] Regular	A
Northway	SAE Regular	E
*‡Oakland	[illegible] Long	B
Oakland ('18 to '23	SAE Long	C
*Oakland (to 1918)	[illegible] Regular	A
Ogren	SAE Long	C
*Oldsmobile 8	[illegible] Regular,	C
*Oldsmobile (4-6,	SAE Long	C
Olympian	SAE Long	C
Owen-Magnetic	[illegible] Regular	A
Overland Four	[illegible] Long	Q
Overland Six	[illegible] Long Body	I
Packard	[illegible] Regular	A
*Paige	[illegible] Regular	A
*Pan	[illegible] Regular	A
*Pan American	[illegible] Regular	A
Parenti	[illegible] Regular	A
*Paterson	[illegible] Regular	A
Pathfinder	SAE Regular	E
Peerless	[illegible] Regular	A
Pierce-Arrow	[illegible] Regular	A
*Pilot	[illegible] Regular	A
Reo	[illegible] Long	Q
*Revere	[illegible] Regular	A
Rickenbacker	[illegible] Reg.-Lg. Thread	D
Roamer	[illegible] Regular	A
*Rock Falls	SAE Regular	E
Rollin	[illegible] Regular	A
Rolls-Royce	Regular Metric	G
*R. & V. Knight	[illegible] Regular	A
*Sandow Taxicabs	[illegible] Regular	A
*Saxon	SAE Long	C
*Scripps-Booth 4	[illegible] Long	B
*Scripps-Booth 6	SAE Regular	E
*Scripps-Booth 8	Short Metric	P
*Seneca	[illegible] Regular	A
*Sheridan	[illegible] Long	B
*Singer	SAE Regular	E
S S E	[illegible] Regular	A
*Standard 8	SAE Regular	E
*Stanwood	[illegible] Reg.-Lg. Thread	D
*Star	[illegible] Regular	A
*‡Stearns-Knight	SAE Regular	E
Sterling	SAE Regular	E
Stephens	[illegible] Long	B
Stevens-Duryea	[illegible] Long Body	I
Stewart	[illegible] Regular	A
Studebaker	SAE Regular	E
Studebaker (to 1920	[illegible] Regular	E
Stutz	SAE Regular	E
*Templar	SAE Regular	E
*Texan	[illegible] Regular	A
Tulsa	[illegible] Regular	A
*Velie	SAE Regular	E
*Vogue	[illegible] Regular	A
*Washington	SAE Regular	E
*Westcott	[illegible] Regular	A
White	[illegible] Long Body	I
Wills-Sainte-Claire	Regular Metric	G
Willys-Knight	[illegible] Long Body	I
Winton	[illegible] Regular	A
Winther	[illegible] Regular	A
*Yellow Cab	[illegible] Regular	A

COMMERCIAL CARS

Name of Car	Size, Inch	Type
Acason	[illegible] Regular	A
*Ace	[illegible] Regular	A
Acme	[illegible] Regular	A
*Acorn	[illegible] Regular	A
*Ahrens Fox	[illegible] Regular	A
*Ajax	[illegible] Regular	A
American LaFrance	[illegible] Regular	A
*Apex	[illegible] Regular	A
Atco	[illegible] Regular	A
*Atlas	[illegible] Regular	A
Autocar	[illegible] Regular	A
*Available	[illegible] Regular	A
*Avery	[illegible] Regular	A
Beck Hawkeye	[illegible] Regular	A
*Bell	[illegible] Regular	A
Bessemer	[illegible] Long Body	I
Bethlehem	[illegible] Regular	A

COMMERCIAL CARS

Name of Car	Size, Inch	Type
*Betz	[illegible] Regular	A
*Bockway	[illegible] Regular	A
Bollstrom	[illegible] Regular	A
*Bridgeport	[illegible] Regular	A
Brinton	[illegible] Long Body	I
*Buffalo	[illegible] Regular	A
Champion	[illegible] Regular	A
Chase	[illegible] Regular	A
*Chevrolet	[illegible] Long	B
*Chicago	[illegible] Regular	A
*Clark Truck Tractor	[illegible] Regular	A
Clydesdale	[illegible] Regular	A
Collier	[illegible] Regular	A
Columbia	[illegible] Regular	A
Comet	[illegible] Regular	A
*Commerce	[illegible] Regular	A
Conestoga	[illegible] Regular	A
*Corbitt	[illegible] Regular	A
*Dart	[illegible] Regular	A
Day Elder	[illegible] Regular	A
Dearborn	[illegible] Regular	A
*Defiance	[illegible] Regular	A
*Denby	[illegible] Regular	A
Dependable	[illegible] Regular	A
DuPue	[illegible] Regular	A
*Diamond "T"	[illegible] Regular	A
Diehl	[illegible] Long Body	I
*Dodge Brothers	[illegible] Reg.-Lg. Thread	D
Dorris	[illegible] Regular	A
Duplex	[illegible] Regular	A
Duty	SAE Long	C
*Eagle	[illegible] Regular	A
Elmira	[illegible] Regular	F
Fageol	[illegible] Regular Bus	K
Famous	[illegible] Regular	A
Fargo	[illegible] Regular	A
*Federal	[illegible] Regular	A
Ford	[illegible] Regular	F
Forschler	[illegible] Regular	A
Frontmobile	[illegible] Regular	A
Fulton	[illegible] Regular	A
*F. W. D.	[illegible] Regular	A
Gabriel	[illegible] Regular	A
Garford	[illegible] Regular	A
*Gary	[illegible] Regular	A
Gersix	[illegible] Regular	A
*Giant	[illegible] Regular	A
*G. & J.	[illegible] Regular	A
*G. M. C.	[illegible] Reg.-Lg. Thread	D
*Golden West	[illegible] Regular	A
*Graham Bros.	[illegible] Reg.-Lg. Thread	D
Gramm Bernstein	[illegible] Regular	A
*Gramm-Kincaid	[illegible] Regular	A
Grant	[illegible] Regular	A
Hatchett	[illegible] Regular	A
*Hahn	[illegible] Long Body	I
*Hall	[illegible] Regular	A
*Harvey	[illegible] Regular	A
Hawkeye	[illegible] Regular	A
*Hendrickson	[illegible] Regular	A
*Hewitt-Ludlow	[illegible] Regular	A
*Highway-Knight	[illegible] Regular	A
Hoover	[illegible] Regular	A
*H R L	[illegible] Regular	A
Huffman	[illegible] Regular	A
*Hulburt	[illegible] Regular	A
Huron	[illegible] Regular	A
*Independent	[illegible] Regular	A
*Italia	[illegible] Regular	A
International	[illegible] Regular	A
J. & J.	[illegible] Regular	A
J. & T.	[illegible] Long	B
Jumbo	[illegible] Regular	A
*Kalamazoo	[illegible] Regular	A
Karavan	[illegible] Regular	A
Kearns	[illegible] Regular	A
Kelly-Springfield	[illegible] Regular	A
*Keystone	[illegible] Regular	A
Kimball	[illegible] Regular	A
*Kissel	[illegible] Regular	A
*Kleiber	[illegible] Regular	A
*Koehler	[illegible] Regular	A
Klemm	[illegible] Regular	A
K. Z.	[illegible] Regular	A
Larrabee-Deyo	[illegible] Long Body	I
Lippard-Stewart	[illegible] Regular	A
*L. M. C.	[illegible] Regular	A
Low-Bed	[illegible] Regular	A
Maccar	[illegible] Regular	A
Mack	[illegible] Long Body	I
Mason	[illegible] Regular	A
*Master	[illegible] Regular	A

Continued on next page

*Indicates AC Spark Plugs used as original factory equipment. ‡Indicates AC Carbon-Proof Spark Plugs recommended.

A-C SPARK PLUG SPECIFICATIONS

COMMERCIAL CARS

Name of Car	Size, Inch	Type
*Maxim	SAE Extra Long	H
*Maxwell	½ Regular	A
*Menominee	½ Regular	A
Midland	½ Regular	A
*Moreland	⅝ Regular	A
Muskegon	½ Long Body	I
Mutual	½ Regular	A
Napoleon	SAE Regular	E
Nash	½ Regular	A
*Nelson-LeMoon	⅝ Regular	A
*Netco	½ Regular	A
*Noble	½ Regular	A
Northwestern	⅝ Regular	A
*Ogden	½ Regular	A
O K	½ Regular	A
Old Hickory	½ Regular	A
*Old Reliable	½ Regular	A
*Oldsmobile	SAE Long	C
Oneida	½ Regular	A
Oshkosh	½ Regular	A
Packard	½ Regular	A
*Paige	½ Regular	A
*Parker	½ Regular	A
*Patriot	½ Long Body	I
Peerless	½ Regular	A
Penn	½ Regular	A
Pierce-Arrow R-9	Regular Metric	G
Other Models	½ Regular	A
Pioneer	½ Regular	A
Pittsburgher	½ Regular	A
*Power	½ Reg.-Lg. Thread	D
Ranier	½ Regular	A
Ranger	½ Regular	A
*R & B	½ Regular	A
*Red Ball	½ Regular	A
Reliance	½ Regular	A
Reo	½ Long	Q
*Republic	SAE Regular	E
Reynolds	½ Regular	A
Riker	SAE Regular	E
*Robinson	½ Long Body	I
Rock Falls	½ Regular	A
*Rowe	SAE Regular	E
St. Cloud	½ Regular	A
Samson	½ Regular	A
*Sandow	½ Regular	A
*Sanford	½ Regular	A
Sauer	½ Regular	A
Seagrave	½ Long Body	I
*Seneca	½ Regular	A
*Shaw	½ Regular	A
*Signal	½ Regular	A
S. & S	½ Reg.-Lg. Thread	D
Standard	½ Regular	A
*Stanwood	½ Reg.-Lg. Thread	D
*Sterling	½ Regular	A
*Stewart	½ Regular	A
*Stoughton	½ Regular	A
Studebaker	SAE Regular	E
Studebaker (to 1920)	½ Regular	F
*Sullivan	½ Regular	A
*Super	½ Long	B
Superior	½ Regular	A
Swartz	½ Long Body	I
Taylor	½ Regular	A
*Texan	½ Regular	A
*Tiffin	½ Regular	A
*Titan	½ Long Body	I
*Tower	½ Regular	A
Traffic	½ Regular	A
Transport	½ Regular	A
Triangle	½ Regular	A
Triumph	½ Regular	A
*Twin City	½ Regular	A
Union	½ Regular	A
*United	½ Regular	A
United States	½ Regular	A
Universal	½ Regular	A
Velie	½ Regular	A
*Vim	½ Regular	A
*Wachusett	½ Regular	A
*Walter	½ Regular	A
*Ward LaFrance	½ Regular	A
*Watson	½ Regular	A
*White ¾-2 ton	Metric L. B. L. T	L
All others	½ Long Body	I
*White Hickory	½ Regular	A
*Wichita	½ Regular	A
Wilcox Trux	½ Regular	A
*Wilson	½ Regular	A
Winther	½ Regular	A
*Wisconsin Coach	½ Regular	A
*Witt-Will	½ Regular	A
Wolverine	½ Long Body	I

TRACTORS

Name of Car	Size, Inch	Type
*Advance Rumely	⅝ Regular	A
Allis-Chalmers	⅝ Regular	A
Allwork	⅝ Regular	A
American	SAE Long	C
Appleton	⅝ Regular	A
*A & T	⅝ Regular	A
All others	½ Regular	F
Aro	½ Regular	F
Automotive	⅝ Regular	A
Avery (5-10)	⅝ Regular	A
All others	½ Regular	F
*Bates	SAE Long	C
*Beaver	SAE Regular	E
*Beeman Garden	½ Regular	F
Beltrail	⅝ Regular	A
Boring	⅝ Regular	A
Buckeye	½ Regular	F
*Buffalo	⅝ Regular	A
*Bulock	½ Regular	A
Burn-Oil	⅝ Regular	A
*J. I Case	⅝ Regular	A
*Clark	⅝ Regular	A
Cletrac	⅝ Regular	A
Coleman	⅞ Long	B
*Comet	⅝ Regular	A
Dakota	⅝ Regular	A
*Dart	⅝ Regular	A
Deere	⅝ Regular	A
Dependable	⅝ Regular	A
Dill	⅝ Regular	A
Do-It-All	SAE Extra Long	H
Eagle	½ Regular	F
E-B	½ Regular	F
*Elwood	½ Regular	F
Farm Horse	½ Regular	A
*Flour City	½ Regular	F
Fitch	½ Long	B
Fordson	½ Regular	F
*Franklin	⅝ Regular	A
Frick	SAE Long	C
*Grain Belt	⅝ Regular	A
Gray	⅝ Regular	A
Happy Farmer	½ Regular	F
*Hart Parr	½ Regular	F
Heider	⅝ Regular	A
*Hold Caterpillier (up to 1921)	⅝ Regular	A
New models	⅝ Long Body	I
*Howell	½ Regular	F
*Howell (to 1918)	⅞ Long	B
Huber "4"	⅝ Regular	A
Huber (35-70)	½ Regular	F
Illinois	⅝ Regular	A
Imperial (40)	⅝ Regular	A
International	SAE Regular	E
J & T	⅞ Long	B
Kardell Utility	⅝ Regular	A
K-G	½ Regular	F
*Know	SAE Extra Long	H
*LaCrosse	½ Regular	F
Lauson	½ Regular	A
Leader (B-12-18)	½ Regular	F
Leader (C-18-36)	⅝ Regular	A
Leonard	⅝ Regular	A
Liberty	⅝ Regular	A
*Linn	½ Regular	F
Little Giant	½ Regular	F
*Lombard	½ Long Body	I
Market Garden	⅞ Long	B
Merry Garden	⅝ Regular	A
*Minneapolis	½ Regular	F
Moline-Univ	½ Regular	F
Monarch	⅝ Regular	A
National	⅝ Regular	A
Neverslip	SAE Long	C
*New Britain	½ Regular	F
O K	⅝ Regular	A
Oil-Pull	⅝ Regular	A
Oldamar	⅝ Regular	F
Parrett	⅝ Regular	A
Peoria	⅝ Regular	A
Pest	⅝ Regular	A
*Pioneer	½ Regular	F
Plow Man	⅝ Regular	A
Port Huron	⅞ Long	B
Power	½ Regular	F
Royer	SAE Long	C
Russell (40-80)	½ Regular	F
Others	½ Regular	A
1921	⅞ Long Body	I

TRACTORS

Name of Car	Size, Inch	Type
Samson	⅞ Long	B
Sandusky	⅞ Regular	A
Sawyer Massey	SAE Long	C
Shawnee	⅞ Regular	A
Short Turn	⅞ Regular	A
*Sprywheel	½ Regular	F
Star	⅞ Regular	A
Stearns	⅞ Regular	A
Stinson	⅞ Long	B
Strite-Unit	⅞ Regular	A
*Stockton	½ Regular	F
Square Turn	⅝ Regular	A
*Tioga	⅝ Regular	A
Titan	SAE Regular	E
Topp Stewart	⅝ Regular	A
Townsend	½ Regular	F
Tracklayer	½ Regular	F
Traylor	⅝ Regular	A
Triumph	⅝ Regular	A
Turner	⅝ Regular	A
Twin City	SAE Regular	E
Uncle Sam	⅝ Regular	A
Ursus	⅝ Regular	A
Utilitor	SAE Regular	E
Velie	⅝ Regular	A
Victory	⅝ Regular	A
Wallis	SAE Regular	E
Waterloo Boy	½ Regular	F
Wetmore	⅞ Regular	A
Whitney	⅞ Regular	A
*Wisconsin	⅞ Regular	A
Yankee	⅞ Regular	A
Yuba	⅞ Regular	A
20-35-40-70	½ Regular	F

LIGHTING PLANTS

Name of Car	Size, Inch	Type
*Automatic	SAE Regular	E
*C Y C	½ Regular	F
*Daytonlite	⅝ Regular	A
*Delco-Light	SAE Long	C
*Dynelectric	SAE Regular	E
*Eastlite	½ Regular	F
*Electrion	SAE Long	C
*Fairbanks	½ Regular	A
*Farmelectric	½ Regular	F
*Globe Light & Power	SAE Regular	E
*Genco	⅞ Regular	A
*Lalley-Light	⅞ Regular	A
*Lucolite	⅞ Regular	A
*Matthews	SAE Long [illegible] S T	M
*Meyerite	⅞ Regular	A
*Nan Ki Vel	⅞ Regular	A
*Northlite	½ Regular	F
*Owen	SAE Regular	E
*Perfection	⅝ Regular	A
*Powerlite	⅝ Regular	A
*Roco	⅝ Regular	A
*Swartz	½ Regular	F
*United	⅝ Regular	A
*Wesco	⅝ Regular	A

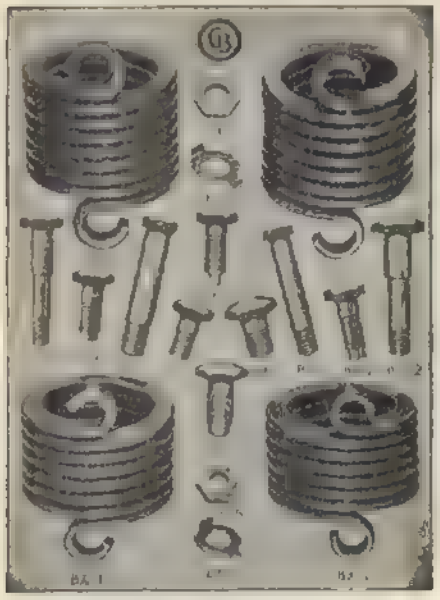
MISCELLANEOUS

Name of Car	Size, Inch	Type
*Ace Motorcycle	Regular Metric	G
Austin Mfg. Co	½ Regular	F
*Barber-Green Convey	½ Regular	A
*Briggs & Stratton M. W	Regular Metric	G
Burton Locomotives	⅝ Regular	A
*Curtis Airplanes	Reg. Metric Aircraft	N
*Elgin Sweeper	½ Regular	A
*Excelsior Motorcycle	Short Metric	P
*Fairmont Railway	½ Regular	F
Harley-Davison	½ Regular	A
*Henderson Motorcycle	Short Met. Aircraft	O
Indian Motorcycle	Regular Metric	G
*Ingersoll-Rand A. C	½ Regular	A
*Johnson Motor Wheel	Regular Metric	G
Kent Concrete Mixer	½ Regular	A
*Koehring Road Pavers	½ Regular	A
*Matag Wash Mach	½ Regular	F
Milwaukee Gas. Loco	Regular	F
*Moto-Mower	½ Regular	A
*Mudge Railway	½ Regular	F
*Perf Power Sprayers	½ Regular	F
*P. & H. Excavators	½ Regular	A
Standard Separators	½ Regular	F
*Sullivan Portable Air Compressors	½ Regular	A
Toro Cultivator	½ Regular	A
*Vaughn Drag Saw	½ Regular	F
Wade Drag Saw	½ Regular	F

*Indicates AC Spark Plugs used as original factory equipment. ‖Indicates AC Carbon-Proof Spark Plugs recommended.

BENDIX REPLACEMENT PARTS AND SPARK PLUGS

BENDIX REPLACEMENT PARTS



TO FIT BENDIX DRIVE

No. Part

BX1—Spring Bolt, to fit large hollow type drive.

BX2—Spring Bolt Nut, to fit BX1.

BX3—Lock Washer, to fit BX1 and BX4.

BX4—Spring Screw, to fit large hollow type drive.

BX5—Driving Spring (Right Hand), to fit large hollow type drive. Eight-coil spring.

BX6—Driving Spring (Left Hand), to fit large hollow type drive. Eight-coil spring.

BX7—Spring Bolt, to fit small hollow type drive.

BX8—Spring Bolt Nut, to fit BX7.

BX9—Lock Washer, to fit BX7 and BX10.

BX10—Spring Screw, to fit small hollow type drive.

BX11—Driving Spring (Right Hand), to fit small hollow type drive. Seven-coil spring.

BX12—Driving Spring (Left Hand), to fit small hollow type drive. Seven-coil spring.

BX14—Driving Spring, extra heavy. (Right Hand.) To fit large hollow type drive. Eight-coil spring. (See cut BX5.)

BX15—Driving Spring, extra heavy. (Left Hand.) To fit large hollow type drive. Eight-coil spring. (See cut BX6.)

BX16—Driving Spring, extra heavy. (Right Hand.) To fit small hollow type drive. Seven-coil spring. (See cut BX11.)

BX17—Driving Spring, extra heavy. (Left Hand.) To fit small hollow type drive. Seven-coil spring. (See cut BX12.)

BX18—Spring Bolt, $1\frac{5}{16}$ inch long, ¼-inch tip diameter. To fit small hollow type drive.

BX19—Spring Bolt, 1 inch long, ¼-inch tip diameter. To fit small hollow type drives, using extra heavy springs.

BX20—Spring Bolt, 1 inch long, $\frac{5}{16}$-inch tip diameter. To fit Ford Bendix drive.

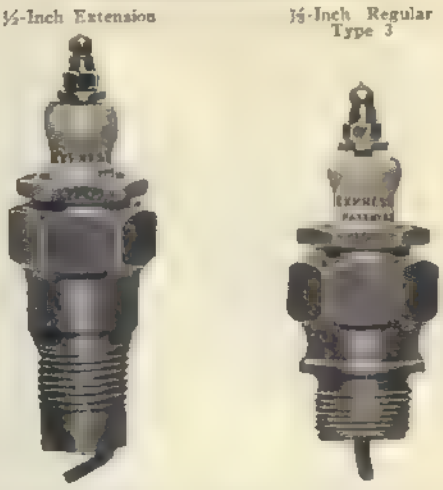
BX21—Spring Bolt, $1\frac{5}{16}$ inch long, $\frac{5}{16}$-inch tip diameter. To fit special large hollow type drive.

BX22—Spring Bolt, special, with shoulder. To fit large hollow type drive.

BX23—Spring Bolt, special, with shoulder. To fit small hollow type drive.

BX30—Ford Driving Spring (Left Hand), to fit Ford Bendix drive. (See cut BX12.)

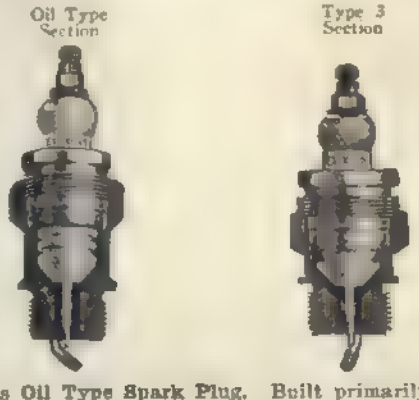
EXPRESS SPARK PLUGS



Express Spark Plugs. The only plug on the market with an oilproof gap. The patented slotted lower electrode carries oil away from the firing points faster than an oil bridge can form and absolutely prevents fouling. Every Express plug is a two-piece construction. Standard sizes are ⅛-inch regular and extension, ½-inch regular and extension and metric.

Express Type 7 Spark Plug. Designed primarily for Buick engines, this model has a very small gas chamber and the lower part of the insulator is cone-tapered to present a minimum heating surface. Made only in ⅛-inch extension size.

Express Speed Type Spark Plug. A maximum plug for racing or high-efficiency engines. Has two annular rings on the shell to carry off excess heat. Made in ⅛-inch regular style only.



Express Oil Type Spark Plug. Built primarily for engines that pump oil excessively, this model will fire regularly under the worst oil conditions. It should not be used in good-compression, high-temperature cylinders, however, as it is designed to gather heat on its finned insulator to offset the lower temperatures of oil-pumping engines.

Express Type 3 Spark Plug. The popular model for the big majority of cars and is especially recommended for Continental motors. Regular ⅛-inch and ½-inch sizes.

Express Oil Type Spark Plug for Ford. It will operate indefinitely in cylinders which will foul the ordinary spark plug with oil in five minutes. Use ½-inch regular on all Ford engines up to 1919. On later models use ½-inch extension Oil Type.

Express Spark Plugs (any type).....each **$1 00**

AC 1075 SPECIAL FOR FORDS

The AC 1075 has four special features that make it easy to sell to Ford owners. Here they are:

Spring terminal clip assures tight connection and locks nut so that it will not unscrew—also permits detaching and reconnecting cable while motor is running to test plug and coil.

Plug comes apart by unscrewing this bushing. Note heavy porcelain to withstand hard service.

The high temperature fins of the patented carbon proof porcelain attain sufficient heat to burn oil deposits thus offering effective resistance to carbon.

Heavy electrode, designed to form natural drain so no oil will lodge in spark gap.

Ford owners are easily sold AC 1075's when shown their special features—and you make a larger profit on them than on plugs ordinarily sold for Ford engines.

PRICE AC 1075.....75c Each **EXTRA PORCELAIN AND GASKET....35c Each**

AC QUICK SELLER ATTRACTS BUSINESS, PROTECTS STOCK AND MAKES SALES

The AC Quick Seller occupies but little counter space. It enables the dealer to place a handy and sufficient stock on the counter at the point of purchase.

There are Four Types:

Regular—Holds 140 AC Plugs
Junior—Holds 50 AC Plugs
AC 1075—Holds 50 AC 1075 Plugs
Chevrolet—Holds 50 AC Plugs

Any type may be had by bringing stock of AC's to quantity it holds—shipped from jobbers stock.

The AC Plug Kit

THE AC PLUG KIT SELLS FOUR PLUGS INSTEAD OF ONE

The AC Plug Kit makes it possible to carry spare plugs without risk of damage. It is something that motorists have always needed. You can offer these kits free with each sale of four or more AC plugs. The kit costs you nothing, being shipped from jobbers stock on basis of one plug kit for each ten plugs ordered.

AC TITAN and CARBON PROOF SPARK PLUGS

78RT
78RCP

*Cadillac
*Chalmers
*Hupmobile
*Maxwell
*Star

78LT
78LCP

*Buick to 1924
*Chevrolet
*Oakland
*Kissel-Kar

AC

Spark Plugs

The Standard Quality Plugs of the World

AC TITAN - $1.00

AC CARBON PROOF SPARK PLUGS

Now made in all types and sizes.

They are recommended especially for Winter driving to make easier starting and better motor performance.

Also for all-year service in motors that have a tendency to pump oil.

This makes it possible to do a greater spark plug business in winter than ever before.

78DT
78DCP

*Dodge Brothers
*Chandler Pikes Peak
*Hanson Six
Rickenbacker

78LBT
78LBCP

*Chandler to 1924
Willys-Knight

SAET
SAECP

*Durant Six
*Apperson
*Marmon
*Stearns-Knight
Studebaker
*Haynes

SAELT
SAELCP

*Buick
*Durant Four
*Nash Six
*Oakland to 1923
*Oldsmobile

SAEXLT
SAEXLCP

*Dort Six
*Elgin
*McFarlan
*Nash Four

12RCP

*Falcon
Studebaker to '20
Overland

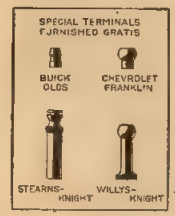
18MT
18MCP

*Duesenberg
*Essex
*Hudson
Wills-Ste-Claire

18SMT

White Trucks
*Ace Cycles
*Excelsior
Motorcycles

SPECIAL TERMINALS FURNISHED GRATIS



12LT
12LCP

Reo
Flour City Tractors

18SMS

*Henderson
Motorcycles

	Each
AC Titan Spark Plug	$1.00
AC No. 1075 for Fords	.75
AC No. 1075 Porcelain	.35

All the above, one in a box; ten in a carton.

THE PROPER PLUG TO USE

PASSENGER CARS

Name of Car	No.
Abbott-Detroit	78R
*Ace	SAE
Allen	78R
Alsace	78R
American	78L
*Ambassador	78R
*Anderson	78R
*Apperson Six 1924	SAEXL
*Apperson Eight	SAE
Auburn	78R
Austin	78R
*Bell	78R
Bellanger-Freres	18M
Biddle	78R
*Birch	SAE
*Bour-Davis	78R
Braddon	78R
Bradley	78R
Briscoe	78R
*Buick (to 1924)	78L
*Buick	SAEL
*Cadillac	78R
*Case	78R
*Chalmers	78R
Champion	78R
*Chandler to 1923	78LB
*Chandler 1923	78R
*Chandler Pikes Peak	78DCP
*Checker Cab	78R
*Chevrolet	78L
*Cleveland Car	78R
Climber	78R
*Cole	78R
Columbia	78R
Comet	78R
Commonwealth	SAE
Crane-Simplex	78L
Crawford	78R
Crow-Elkhart	78R
Cunningham	78D
*Daniels	78R
*Davis	78R
Dixie Flyer	78R
*Dodge Brothers	78D
Dorris	78R
*Dort	78R
*Dort Six	SAEXL
Douglas	78R
*Duesenberg	18M
*Dupont	78R
*Durant	SAEL
*Durant Six	SAE
*Earl	78R
Economy	SAE
Elcar	78R
Elgin	SAEXL
Empire	78R
*Essex	18MCP
*Falcon	12R
*Fergus	18M
Fiat	78R
*Flint Six	78R
Ford	AC1978
Franklin	SAEL
*Frontmobile	78R
Gardner	78R
Geronimo	78R
*Glide	78R
Grant	78R
*Gray Dort	78R
Hal	78R
H. C. S.	78R
Hamlin-Holmes	78R
*Hanson Six	78D
*Hanover	78L
Harroun	78R
*Hatfield	78R
*Haynes	SAE
Hollier	78R
Holmes	78R
*Hudson (to 1921)	78R
*Hudson	18MCP
*Hupmobile	78R
Inter-State	78R
*Jackson	78R
Jeffery	78R
*Jewett	78R
Jones	78R
*Jordan	78R
King	78R
*Kissel-Kar	78L
Kline-Kar	78R
*LaFayette	78R
Lambert	78R
*Leach	78R
Lenox	78R
Lexington	SAE
*Liberty	78R
Lincoln	78R
Locomobile	SAES
*London Six	SAE
*Lorraine	78R
*Maibohm	78R
Marion-Handley	78R
*Marmon	SAE
*Maxwell	78R
*McFarlan	SAEXL
*McLaughlin	SAEL
*McLaughlin to 1924	78L
Mercer	78R
Meteor	78R
Metz	SAE
Metz (up to 1919)	12XL
*Mitchell	SAE
Moline-Knight	78R
Monitor	78R
*Monroe	SAE
Moon	78R
Moore	78R
*Nash Four	SAEXL
*Nash Six	SAEL
*National	78R
*Nelson	78R
*Noma	78R
Northway	SAE
*Oakland	78L
*Oakland (to 1923)	SAEL
*Oakland (to 1918)	78R
*Ogren	SAEL
*Oldsmobile 8	78R
*Oldsmobile (4-6)	SAEL
Olympian	SAEL
Owen-Magnetic	78R
Overland Four	12RCP
Packard	78R
*Paige	78R
*Pan	78R
*Pan American	78R
Parcati	78R
*Patterson	78R
Pathfinder	SAE
Peerless	78R
Phianna	78R
*Piedmont	78R
Pierce Arrow	78R
*Pilot	78R
Pitcher	78R
*Premier	SAEL
Premocar	78R
Ranger	78R
Reo	12L
*Revere	78RAT
Roamer	78RAT
*Richelieu	78R
Rickenbacher	78D
*Rock Falls	SAE
Rolls-Royce	18M
*R. & V. Knight	78R
*Sandlow Taxicabs	78R
*Saxon	SAEL
Sayers	78R
*Scripps-Booth 4	78L
*Scripps-Booth 6	SAE
*Scripps-Booth 8	18SM
*Seneca	78R
Severin	78R
*Sheridan	78L
*Singer	SAE
Skelton	78R
S. S. E.	78R
*Standard 6	SAE
*Stanwood	78D
*Star	78R
*Stearns-Knight	SAE
Sterling	SAE
Stephens	78L
Stevens-Duryea	78LB
Stewart	78R
Studebaker	SAE
" (up to 1920)	12CP
Stutz	SAE
*Tarkington	SAE
*Templar	SAE
*Texan	78R
Tulsa	78R
Velie	78R
*Vogue	78R
*Washington	SAE
*Wescott	78R
White	78LB
Willis-Sainte-Claire	18M
Willys-Knight	78LB
*Winton	78R
Winther	78R
*Yellow Cab	78R

COMMERCIAL CARS

Acason 78R	*Avery 78R	Champion 78R	*Corbitt 78R
*Ace 78R	Beck Hawkeye 78R	Chase 78R	*Dart 78R
Acme 78R	*Bell 78R	*Chevrolet 78L	Day Elder 78R
*Ahrens Fox 78R	Bessemer 78LB	*Chicago 78R	*Dearborn 78R
*Ajax 78R	Bethlehem 78R	*Clark Truck Tractor 78R	*Defiance 78R
American LaFrance 78R	*Betz 78R	Clydesdale 78R	*Denby 78R
*Apex 78R	*Bollstrom 78R	Collier 78R	*Dependable 78R
*Atco 78R	*Bridgeport 78R	Columbia 78R	*DePue 78R
Atlas 78R	*Brinton 78LB	Comet 78R	*Diamond "T" 78R
Autocar 78R	*Brockway 78R	*Commerce 78R	*Diehl 78LB
*Available 78R	*Buffalo 78R	Conestoga 78R	*Dodge Brothers 78D

THE PROPER PLUG TO USE—COMMERCIAL CARS, CONTINUED

Name of Car	No.
Dorris	7SR
Duplex	7SR
Duty	SAEL
*Eagle	7SR
Elmira	12R
Fageol	7SR
Famous	7SR
*Fargo	7SR
*Federal	7SR
Ford	AC1075
Forschler	7SR
Frontmobile	7SR
Fulton	7SR
*F. W. D.	7SR
Gabriel	7SR
Garford	7SR
*Gary	7SR
Gersix	7SR
*Giant	7SR
*G. & J.	7SR
*G. M. C.	7SR
*Golden West	7SR
*Graham Bros.	7SD
Graham Bernstein	7SR
Grant	7SR
Hatchett	7SR
*Hahn	7SLB
*Hall	7SR
*Harvey	7SR
Hawkeye	7SR
*Hendrickson	7SR
*Hewitt-Ludlow	7SR
*Highway-Knight	7SR
Hoover	7SR
*H. R. L.	7SR
Huffman	7SR
*Hurlburt	7SR
*Huron	7SR
*Independent	7SR
*Italia	7SR
International	7SR
J. & J.	7SR
J. & T.	7SLACTP
Jumbo	7SR
*Kalamazoo	7SR
*Karavan	7SR
*Kearns	7SR
Kelley-Springfield	7SR
*Keystone	7SR
Kimball	7SR
*Kissel-Kar	7SR
*Kleiber	7SR
*Klamm	7SR
*Koehler	7SR
*K-Z	7SR
Lavrabee-Deyo	7SLB
Lippard-Stewart	7SR
*L. M. C.	7SR
Low-Bed	7SR
Macear	7SR
Mack	7SLB
*Mason	7SR
*Master	7SR
*Maxim	SAEXL
*Maxwell	7SR
*Menominee	7SR
Midland	7SR
*Moreland	7SR
Muskegon	7SLB
Mutual	7SR
*Napoleon	SAE
*Nash	7SR
*Nelson-LeMoon	7SR
*Netco	7SR
*Noble	7SR
Northwestern	7SR
*Odgen	7SR
O. K.	7SR
Old Hickory	7SR
*Old Reliable	7SR
*Oldsmobile	SAEL
Oneida	7SR
Oshkosh	7SR
Packard	7SR
*Paige	7SR
*Parker	7SR
*Patriot	7SLB
Peerless	7SR
*Penn	7SR
Pierce Arraw R-9	18M
Other models	7SR
*Pioneer	7SR
*Pittsburgher	7SR
*Power	7SD
Ranier	7SR
Ranger	7SR
*Red Ball	7SR
Reliance	7SR
*Reo	12L
*Republic	SAE
Reynolds	7SR
Riker	SAE
*Robinson	7SLB
Rock Falls	7SR
*Rowe	SAE
St. Cloud	7SR
*Samson	7SR
*Sandow	7SR
*Sanford	7SR
Sauer	7SR
Seagrave	7SLB
*Seneca	7SR
*Shaw	7SR
*Signal	7SR
S. & S.	7SD
Standard	7SR
*Stanwood	7SD
*Sterling	7SR
Name of Car	No.
*Stewart	7SR
*Stroughton	7SR
Studebaker	SAE
" (up to 1920)	12R
*Sullivan	7SR
*Super	7SLB
Superior	12R
Swartz	7SLB
Taylor	7SR
*Texan	7SR
*Tiffin	7SR
*Titan	7SLB
*Tower	7SR
Traffic	7SR
Transport	7SR
Triangle	7SR
Triumph	7SR
*Twin City	7SR
Union	7SR
*United	7SR
United States	7SR
Universal	7SR
Velie	7SR
*Vim	7SR
*Wachusett	7SR
*Walter	7SR
*Ward LaFrance	7SRCP
*Watson	7SR
*White ¾-2-ton	18LBLTM
All others	7SLB
*White Hickory	7SR
*Wichita	7SR
Wilcox Trux	7SR
*Wilson	7SR
Winther	7SR
*Witt-Will	7SR
Wolverine	7SLB

TRACTORS

*Advance Rumley	7SR
Allis-Chalmers	7SR
Allwork	7SR
American	SAEL
Appleton	7SR
*A. & T.	7SR
All others	12R
Arc	12L
Automotive	7SR
Avery (5-10)	7SR
All others	12R
*Bates	SAEL
*Beaver	SAE
Beeman Garden	12R
Beltrail	7SR
Boring	7SR
Buckeye	12L
*Buffalo	7SR
*Bullock	7SR
Burn-Oil	7SR
*J. I. Case	7SR
*Clark	7SR
Cletrac	7SR
Coleman	7SL
*Comet	7SR
Dakota	7SR
*Dart	7SR
Deere	7SR
Dependable	7SR
Dill	7SR
*Do-It-All	SAEXL
*Eagle	12R
E-B	12R
*Elwood	12CP
Farm Horse	7SR
*Flour City	12L
Fitch	7SL
Fordson	AC1075
*Franklin	7SR
Frick	SAEL
*Grain Belt	7SR
Gray	7SR
Happy Farmer	12R
*Hart-Parr	12R
Heider	7SR
*Holt Caterpillar	
(Up to 1921)	7SR
(New Models)	7SLB
*Howell	12R
*Howell (to '18)	7SL
Huber ("4")	7SR
Huber (35-70)	12R
Illinois	7SR
Imperial 40	7SR
International	SAE
J. & T.	7SL
Kardell Utility	7SR
K-G	12R
*Knox	SAEXL
*LaCrosse	12R
*Lauson	7SR
Leader B12-18	12R
Leader C18-36	7SR
Leonard	7SR
Liberty	7SR
*Linn	7SR
Little Giant	12L
*Lombard	7SLB
Market Garden	7SL
Merry Garden	7SR
*Minneapolis	12R
Moline-Univ.	12SCP
Monarch	7SR
National	7SR
Neverslip	SAEL
*New Britain	12R
O. K.	7SR
Oil-Pull	7SR
Oldsmar	12R
Parrett	7SR
Peoria	7SR
*Pioneer	12R
Plow Man	7SR
Port Huron	7SL
Post	7SR
Power	12R
Royer	SAEL
Russell (40-80)	12R
Others	7SR
1921	7SLB
*Samson	7SR
Sandusky	7SR
Sawyer-Massey	SAEL
Shawnee	7SR
Short Turn	7SR
*Sprywheel	12L
Star	7SR
Stearns	7SR
Stinson	7SL
Strike-Unit	7SR
*Stockton	7SR
Square Turn	7SR
*Tioga	7SR
Titan	SAE
Topp Stewart	7SR
*Townsend	12R
Tracklayer	12R
Traylor	7SR
Triumph	7SR
Turner	7SR
Twin City	SAE
Uncle Sam	7SR
*Ursus	7SR
Utilitor	SAE
Velie	7SR
Victory	7SR
Wallis	SAE
Waterloo Boy	12L
*Wetmore	7SR
Whitney	7SR
Wisconsin	7SR
Yankee	7SR
Yuba	7SR
20-35-40-70	12LT

New Cars and Models

Mechanical Construction of New Ajax Features Seven-Bearing, Six-Cylinder Engine

Open bodies have leather upholstery and four-wheel mechanical brakes standard on all models

CLOSED bodies with four doors, seven bearing crankshaft, four wheel brakes, balloon tires mounted on disk wheels and many other features identified with the latest in motor car construction make the new Ajax car an outstanding addition to the passenger car field. The car measures about 153 in. overall, ample leg room in both the front and rear compartments being one of the outstanding features. While the top of the closed body is less than six feet above the ground, the head room is liberal. Duco finish in characteristic. Nash colors are standard on both bodies, the five passenger sedan and touring car of similar capacity which constitute the body types at present.

Prices of the new car have been announced as follows: Touring $865, Sedan $995. These prices are f. o. b. the factory.

The cylinder block is very compact and simplified as the front and rear supporting arms are formed by pressed steel plates which also act as frame members. Bodies, although not entirely steel construction incorporate an unusual amount of this material with consequent simplification.

As illustrated, the engine has six cylinders of 3 in. bore with a stroke of 4 in., giving a displacement of 169.65 cu. in. The power curve peaks at more than 40 h.p. at approximately 2400 r.p.m. as the timing and carburetion have been worked out to produce

Ajax six four door sedan. Note belt line moulding extending to radiator

good low and moderate speed performance rather than top speed, although the car is capable of approximately 55 m.p.h. L-head construction with cylinders and crankcase en bloc with separate detachable head, both of cast iron, are used.

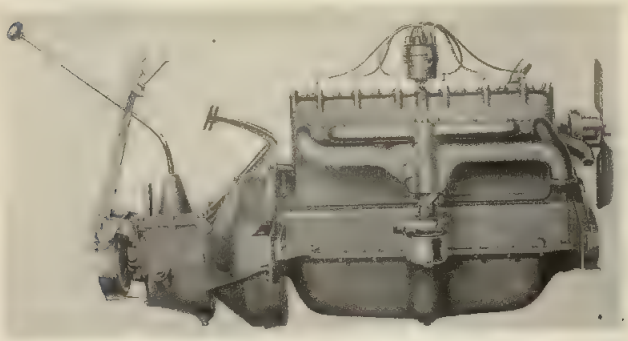
Elliptical cheeks of 5/8 in. thickness are used at all of the crankshaft throws and the main bearings are 1¾ in. dia. from end to end while the crankpins are 1⅝ in. dia. Journal lengths for the main bearings are as follows:

Front and rear, 1 15/16 in.; center, 1 7/16 in.; four intermediate, ⅞ in.

Crankpin bearings are 1 5/16 in. long. End thrust on the crankshaft is taken at the center bearing. Bronze back babbitt lined bushings are used on the main bearings with shims of .003 in. thickness. At the front end, the crankshaft carries the composition pinion of the two-gear timing train and at the rear a return thread is located between the flywheel flange and the rear bearing. Oil leakage at the front is prevented by a pressed steel thrower ring.

Connecting rods are drop forged steel of light uniform shank section. Two ⅜ in. dia. bolts retain the caps of the lower cast in bearings and the upper end carries a phosphor bronze bushing of 47/64 in. inside dia. and 1¼ in. length. Both the upper end of the rod and the bushing are slotted out at the top to allow oil to splash into the piston pin bearing. The center to center length of the connecting rod is 8½ in., which is 2.125 times the length of the stroke and somewhat unusual for engines of this size. Pistons are of light section cast iron with 3 rings of ⅛ in. width, one of which is an oil scraper ring located above the pin which is retained by a dog pointed screw. Pistons and rods are held to ⅛ oz. variation and the rods are checked for relative weight at each end. The 7 bearing crankshaft is dynamically balanced on a Precision machine.

Combustion spaces are domed to induce turbulence. Liberal water jacket space surrounds the cylinder barrels and all of the valves, there being no siamesed walls between even the intake valves. The cylinder water jacket extends down to a point about 1 in. below the lower position of the piston head. Cylinder barrels are bored, reamed and finally honed. The spark plugs are located in the head of the engine.



The power plant is distinctive in that it employs a seven bearing crankshaft and semi-integral stamped steel mounting brackets front and rear

Cast iron head valves have a clear diameter of 1¼ in. with a 5/16 in. lift and the 5/16 in. dia. stems are centered in cast iron bushings which are almost 3 in. long. Cylindrical valve springs are retained by cups and C-clips. Chilled iron mushroom tappets are mounted in groups of six in iron carriers which are bolted to the sides of the cylinder barrels. Two bolts retain each carrier.

Six bearings carry the cam shaft, the center bearing having been replaced by a helical gear which drives the oil pump and distributor head. At the front the cam shaft gear bearing is supported in a cast iron sleeve which is piloted and bolted to the front face of the crankcase. This bearing is 1⅜ in. long and its diameter is 1½ in. The rear bearing, which is machined in the crankcase is 1⅝ in. long and 1¼ in. dia., while the intermediate bearings which also are machined directly in the crankcase are

½ in. wide and approximately 2⅜ in. dia., being graduated to allow the introduction of the camshaft from the front end. Cams are 9/16 in. wide and the base diameter of the shaft which is machined all over and hardened is 1 in. Cams are arranged so that the exhaust valve closes and the intake valve opens 5 deg. past top dead center. The intake valve closes at 45 deg. past bottom dead center while the exhaust valve opens at a corresponding figure before bottom dead center.

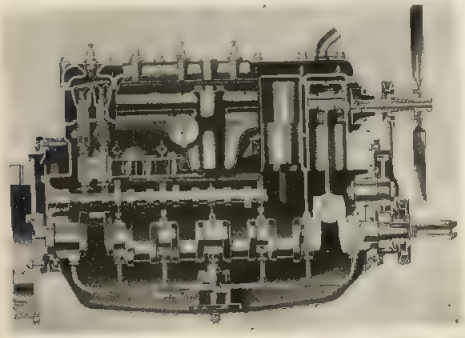
Lubrication is full pressure type for the main and lower rod bearings and the camshaft gear bearing. A hole drilled in the front wall of the crankcase supplies the camshaft gear bearing. The oil pump is located at the right of the center main bearing and is carried by an extension bracket which places the pump in the lowest point of the oil pan. An inverted screen assembly is attached directly to the pump body. Drive is by a vertical jointed shaft from a helical gear which meshes with the gear cut in the center portion of the camshaft. The upward extension of this shaft drives the distributor head which is located above the cylinder head.

Belt drive is used for the generator as well as the fan and water pump. The generator, which is part of a complete Auto-Lite electrical system, is located on the left side of the engine and is bolted on the back of the 3/16 in. thick steel plate which forms the front engine support. Two pulleys are mounted side by side on the front end of the generator shaft. One of these receives the pulley on the front end of the crankshaft while the other transmits the drive to the combined fan and pump unit which is located at the front end of the water jacket. Rubberized fabric V-belts are used in both places and the generator and combined pump and fan unit are driven at approximately 1½ times crankshaft speed.

Plain bearings are used in the fan-pump unit and the drive pulley and 16 in. dia. fan are mounted on a common flange at the front end of the impeller shaft. The impeller is fastened to the shaft by a cone-pointed screw and an adjustable packing gland at the front end prevents leakage. The volute chamber of the pump discharges directly into the cylinder water jacket.

Manifolds are located on the right side of the engine. Separate cast iron intake and exhaust manifolds are fitted together at the center to provide a hot jacket around the riser of the intake manifold. The heat at this point is controlled by a valve which allows any desired degree of heating action for either winter or summer driving. The end pairs of intake ports are siamesed while individual passages are provided for each of the middle pair of cylinders. Two siamesed ports and two individual ports are used for exhaust outlet. A Carter 1 in. plain tube vertical carburetor provides the mixture.

An oil filler and bayonet gage are placed on the left side of the crankcase as is the starting motor which is mounted on the rear steel plate motor support in a manner similar to that of the generator at the front. A hardened steel ring gear is shrunk over the outside of the flywheel. The width of this gear is ½ in. and the teeth are chamfered on the engagement side. Bendix drive is used for the starter pinion.



Section through seven main bearing Ajax six-cylinder engine. Note oil distributing manifold to each main bearing and oil passage to front camshaft bearing

Intermediate between the engine and gear box is a 9 in Borg & Beck push type clutch which is mounted on a ten spline shaft with a graphite bronze bearing at the pilot position in the rear end of the crankshaft. A self-lubricating compressed graphite shoe is used in the throwout position and is operated by a transverse lever which is connected to the lower end of the clutch pedal lever by a short adjustable link.

Gear box design is conventional throughout, although the face of the various gears is unusual for cars of this weight and power,

the face of the gears being uniformly 5/8 in.

Standard gear shift with the lever ball mounted in a stamped steel gear box cover is used. A built in transmission lock secures the shifting gates in the neutral position. A Hyatt bearing is installed at the front position with a single row annular bearing at the rear. Countershaft bearings and the spigot bearing are bronze. Countershaft gears are cut in an integral forging and the shaft is secured by a nut at the front. Six splined shaft construction is used for the sliding gears and the universal joint hub. Conventional construction is used for the speedometer take-off at the rear end of the tail shaft.

A bracket attached to the rear of the gear box carries the hand lever which operates the emergency brake. A pressed steel drum of 6¾ in. dia. is mounted on the spider for the front propeller shaft universal joint. A direct link operates a contracting band which is lined with molded anti-friction material of 1¾ in. width. Three rubberized fabric disks of 6 in. dia. are used in each universal joint.

Semi-floating construction is used at the rear axle which is equipped throughout with Timken bearings. Spiral bevel gears have a reduction of approximately 4.7 to 1. A two-pinion differential is located by pressed steel caps which are threaded in outside of the bearings while the location of the pinion shaft is determined by shims during assembly. Live axles are splined at the inner end and butt against a spacer at the center of the differential carrier and are tapered and keyed at the outer ends to receive the wheel flange and the Timken bearing. The position of the outer bearing again is determined by shims in the assembly process.

Budd disk steel wheels carrying 4.75 balloon tires on a 21 in. base are standard equipment all around and a spare wheel which is mounted on a dummy flange carrier at the rear is included. Twelve in. brake drums are mounted on all four wheels. Rear brakes are external contracting bands while self-energizing shoes are used at the front end. Rear brakes have a half wrap and are lined with molded friction material of 1¾ width. The braking action and silence have been improved by cutting away the shoe linings for a distance of 2 in. each way from the brake anchor at the back.

Rear springs are underslung and are approximately 50 in. long and 2 in. wide while the front springs have the same width and are 36 in. long. Vertical knuckle pins are clamped in the outer ends of the I-beam front axle, which has a deep drop between the spring pads and the wheels. Timken bearings are located in the front hubs while the king pin is mounted in bronze journal bearings and fitted with hardened steel thrust washers. The cross rod is a straight tube and is fitted with threaded yoke ends for adjustment. The cross rod pin at the left is equipped with a multiple disk clutch arrangement which dampens the shimmying tendencies of the low pressure tires. One side of the clutch arrangement is anchored to the cross rod assembly while the other is anchored to the steering knuckle arm and a compression spring exerts pressure on four alternate metallic and friction material surfaces.

Front wheel brakes resemble those fitted to the recent Nash models being internal with carriers which form splash guards by overlapping the edges of the drums. Two piece aluminum shoes carry molded strips of compressed brake lining of 1¾ in. width.

Braking force is divided equally between the two axles and no equalizers are used.

Side members are kicked up over the rear axle and have conventional spring horns at each end. In the horizontal plane the side members are straight and taper uniformly from the rear to the front end, the width at the rear axle being 40 in. and at the front axle 28 in. The depth at the middle section of the frame is 4½ in. and the flange width over the greater portion of the length is 1½ in. with a stock thickness of 5/32 in. A splined tubular cross member is located between the front spring horns.

Both body models are finished in gray green Duco which is the same shade as used on the present Nash models. Black beading is arranged in a double belt effect and the upper quarters of closed body are finished in black. Heavy drop crowned one-piece fenders are finished in black enamel. Cork linoleum and metallic binding are fitted to the running boards. Seats and backrests in the open job are finished in leather while the closed job is finished in Mohair cloth. Instruments are assembled in a panel arrangement which incorporates the manual control for the carburetor. As the ignition advance is automatic, no manual controls are placed on the steering column but the horn button finishes off the upper end of the steering post. Steering is accomplished by a Ross cam and lever gear. Rear view mirrors are standard on both open and closed models.

Standard lighting equipment includes head lamps with deflector lenses, cowl lamps on both models, tail lamp and a dome lamp with separate switch in the sedan body. A USL storage battery is located under the driver's side of the front seat while the tool compartment is at the right side. Gasoline is carried in a 15 gal. tank, which is suspended under the rear cross member. The muffler tail pipe is concealed within the channel of the right side member as it comes out at the rear and thus avoids the gas tank. A gasoline gage is in the left end of the tank.

Peerless Announces New Smaller Six Chassis

ENTERING the medium price six cylinder field with a sedan at $1,595 and mounted on a 116 in. wheelbase chassis employing a 3¼ by 4⅝ in. L-head engine and four-wheel brakes, the new car of the Peerless Motor Car Co. will broaden their dealers' line which hithertofore was comprised of a larger six and an eight cylinder model.

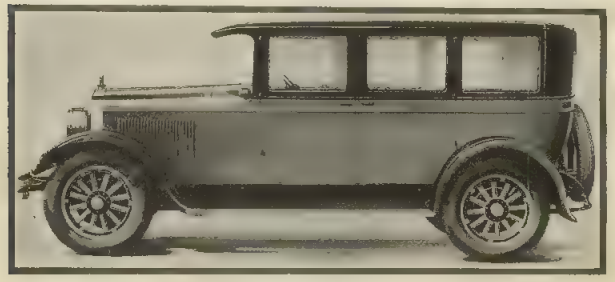
While six body styles will be offered on the new model, known as the 6-80 series, later during the season, production is being concentrated at the present time on the standard four-door sedan. Prices for the other body styles have not yet been decided, but it is understood the standard sedan will have the highest list with the prices scaling down to the five-passenger open car.

The engine which has 7 main bearings is assembled with the single plate clutch and three speed transmission forming a unit power-plant supported in the frame at four points. The rate of acceleration is said to be unusual while the car is credited with a high speed of better than 70 m. p. h.—and a speed of 42 m. p. h. in second gear.

Although conceived and designed in the Peerless shops, the engine is specially constructed for the new car by the Continental Motors Corp. This is the first of a series of engines to be built outside of the Peerless plant for a number of years. Rated at 25.35 h. p. and with a piston displacement of 230.2 cu. ins., the new power-plant develops 68 actual brake h.p. at 2,800 r. p. m. on the dynamometer. The peak torque is stated to be 149.5 ft. lbs. at 1,100 r. p. m. A new type of high turbulence combustion chamber and special valve timing are two of the important factors contributing to the high output of the engine.

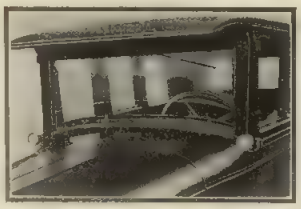
Gray iron cylinders are cast en bloc with the upper half of the crankcase having the flange for the pressed steel oil pan 2 7/8 in. below the center line of the crankshaft. The detachable cylinder head is secured by 22 steel studs. The carbon steel crankshaft is of massive construction, employing 2⅜ in. diameter main journals and weighing 54¾ lbs. Lengths of the bearings in inches follow: Front 1 25/32, intermediatea 1¼, center 1⅜, and rear 2 13/32

Smooth operation virtually free from vibration has been secured by careful balancing of the rotating and reciprocating parts and by the mounting of a Lanchester vibration dampener on the forward end of the crankshaft to eliminate torsional vibration. Pistons and connecting rod are weighed against one another to within .5 of an ounce while the shaft and flywheel are placed in static and dynamic balance.



This five passenger sedan listing at $1595 will be the first model Peerless will produce on its new line of six cylinder cars. Balloon tires and hydraulic four-wheel brakes are standard equipment.

Connecting rods of I-beam section and formed of open hearth steel have a bearing diameter at the big end of 2⅛ in. with a length of 1⅝ in. At the upper end the gray iron pistons are secured by a 1 in. diameter piston pin formed from solid bar stock and locked in the piston by a set screw. An additional locking device in the form of snap rings at the ends of the pin is also provided. The length of the piston is 3¾ in. with 2 5/16 in. allowed above the pin. Hand fitted to the cylinders, the pistons are provided with three rings each 3/16 in. wide above the pin, the bottom ring being a special oil control type and of Drainoil brand. The weight of the connecting rod assembly with pin and rings complete is 58 ounces.



The one-piece vision ventilating windshield standard equipment on the sedan model

A newly developed low pitch Morse chain No. 54, 1¼ in. wide and making for unusual quietness provides the front end drive for the accessories and camshaft. The latter mounted on the left side is forged from special alloy steel and runs in four bronze back babbitt bushings of the following dimensions:

Front: 2 1/16 by 1 11/32 length.
Second: 1 15/16 by 29/32 length
Third: 1¾ by 29/32 length.
Rear: 1½ by 1 13/16 length.

Adjustment for the timing chain is provided for in the movable generator—ignition unit mounted on the right side of the engine.

By the employing of a small flank radii in the design of the cam contour causing low contact pressure between the tappets and cams, most of the valve operation noises have been eliminated. Mushroom type tappets operate the valves, which are formed with nickel steel heads welded to open hearth steel stems.

Both valves are interchangeable, the head diameter being 1⅝ in., the length 4 45/64 in., stem diameter ⅜ in. and the lift 21/64 in. for both. The tappet guides and tappets are removable as a unit without disturbing any other part of the engine. Adjustment is by screw and lock nut.

Located on the outside of the crankcase near the carburetor, the oil pump is driven by helical gears off the camshaft, the take-off being placed on a line between cylinders number 5 and 6. This pump incorporates the oil pressure relief valve in the same casting, the unit being secured to the crankcase by four bolts. By removing six additional bolts, the pump cover may be detached, exposing the spur pump gears.

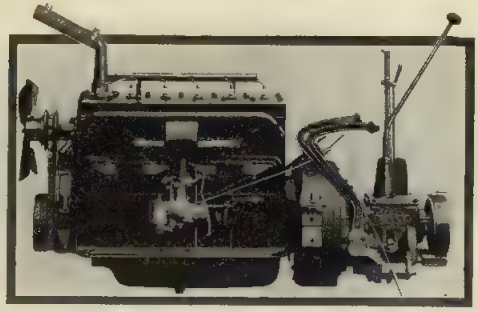
Lubrication is by the full pressure system, oil being forced through tubing to each of the main bearings. Through the hollow crankshaft oil passes to the connecting rods while the camshaft bearings are oiled by passages drilled in the crankcase. Other parts are lubricated by mist, the surplus oil falling back upon the oil pan tray and is screened before entering the oil pan proper. There is another screen of circular shape below the tray from which the oil is drawn by the pump above.

As a further guard against impurities in the lubrication system, a Purolator oil filter is bolted on the dash, the lead being taken off at the oil pump where the tubing is connected for the pressure gage. The oil capacity of the crankcase at the "full" mark is 7 quarts, while the oil level is indicated by a graduated bayonet type blade.

A plain tube cross throttle type of Stromberg carburetor model OX-2 with a nominal outlet size of 1¼ in. is bolted to the cast integral intake and exhaust manifold. The outlet from the latter is led down the forward part of the engine by 2½ in. diameter pipe which in turn is joined to a 28 in. welded pressed steel concentric type muffler, having a 1½ in. diameter tail pipe. Fuel is delivered to the carburetor from the 15 gallon tank at the rear by a large capacity Stewart-Warner vacuum tank.

With the exception of the 6-8 volt U. S. L. make of battery, the electrical units are of Auto-Lite manufacture. Both starter and generator are mounted on the right side of the engine, the former carrying th S. A. E. mounting and an outboard type of Bendix drive employing an 11-tooth pinion. The generator which is mounted on a separate support casting is driven from the front end chain by a special spring drive at 1 1/5 engine speed.

On this special casting the semi-automatic advance distributor unit is placed and is driven from the generator drive by spiral gears. The accessibility of this type of construction is demonstrated by the fact either the distributor or generator can be removed without affecting the other. Both the ignition coil and the cut-out are mounted on the generator in very convenient positions.



The Peerless six power plant, showing exhaust manifold outlet at the front side of engine. Note accessible location of the oil pump behind the carburetor.

The model designations of the various units are as follows:

Distributor: No. IG-4118
Starter: No. MN-4102.
Coil: No. IG-4063.
Generator: No. GY-4102

The combined fan and water pump unit is removable from the front of the cylinder block by loosening four nuts. The fan itself runs on two taper roller bearings with the extension of the shaft carrying the water pump impellor passing through a packing nut and supported in a large phosphor-bronze bushing. Grease cups are provided to lubricate the anti-friction and bushing bearings. A V-belt ⅝ in. wide comprising 29 links provides the drive for the fan-pump unit with adjustment by a movable flange which screws in and out on the fan pulley.

The fan itself is 16 in. in diameter and has four blades. Radiator is of cellular honeycomb construction. The water around the cylinders extends considerably below the distance of the piston travel while there is an extra amount of water around the exhaust valves. The capacity of the entire system is 3½ gallons.

Between the transmission and the engine a single plate dry disk, Borg and Beck clutch, Model No. 10-L, is employed. The steel plate is faced on both sides with woven asbestos lining, the maximum diameter being 9⅜ in. by 6¼ in. minimum diameter.

At two accessible points adjustment is provided to compensate for wear of the friction surfaces and to provide proper pedal clearance. The ten spline 1⅛ in. clutch shaft is supported at either end in roller bearings and carries a graphite throw-out collar requiring no attention or lubrication.

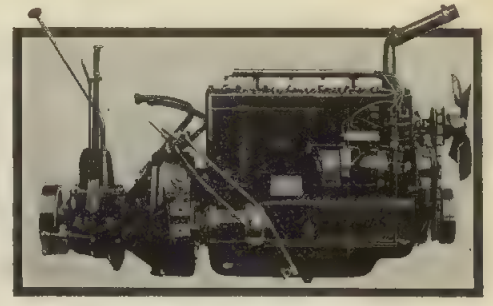
The gearset is of Detroit Gear Machine Co. manufacture with special modifications and provides three speeds and one reverse of the following ratios:

Low: 3.11 to 1.	Third: 1.00 to 1.
Second: 1.70 to 1.	Reverse: 3.78 to 1.

At the forward end of the sliding gear shaft a roller bearing is employed while the rear is supported by one of the ball type. The secondary shaft is carried on plain bronze bushings. The main shaft is a six spline forging with the teeth of the engaging gears chamfered to make for silent engagement. Spiral drive for the speedometer is located above the main shaft and placed to the rear of the ball bearing. A very simple linkage, as can be seen from illustrations of the power plant, is employed to connect the emergency brake lever with the transmission brake. The dimensions of the transmission brake drum are 7 in. diameter by 2 in. wide. An approved lock is also built into the transmission case.

A two inch tubular propellor shaft with an oil-tight metal universal joint at either end transmits the power to the semi-floating Columbia make rear axle. Except for slight modifications, the axle which is designed for the Hotchkiss form of drive is identical to Columbia axle model number 12,035. The pinion forged integral with the shaft is carried on two taper roller bearings in the overhung mounting style.

A tapered roller bearing on each side supports the four pinion differential assembly while a single bearing of the same type is employed at the wheel ends of the chrome-molybdenum heat-treated axles. These shafts have a diameter of 1 9/16 in. at the wheel bearings and at the ten spline differential end are 1 5/16 in. in diameter. The housing is of pressed steel and of the one-piece banjo type. A standard gear ratio of 4.45 to 1 for all body models is



Mounting of the generator and distributor is such that either unit may be removed without disturbing the other. Note Lanchester damper at front end of crankshaft.

provided, the teeth on the 9¼ in. diameter ring gear being 49 and those on the pinion 11.

Lockheed hydraulic brakes of the external contracting type having drums 14 in. in diameter and 2½ in. wide are used on both axles. The thickness of the friction lining is 5/32 in. and the width 2 in. Brake anchors are set 45 deg. ahead of center giving ¾ wrap on the brake bands and making for more effective and smooth operation.

Front axle is a Columbia model No. 1,200-H of "I" beam section with the 15/16 in. diameter steering pivot pins inclined at an angle. As on the rear axle, Timken roller bearings are employed. Steering knuckle thrust is taken by a radial ball bearing which together with the Ross cam and lever type steering gear provides easy turning of the wheels. The gear ratio is 11½ to 1, while the turning radius in either direction is approximately 20 ft.

Semi-elliptic springs are employed, those on the front being mounted above the axle while those on the rear are underslung, the dimensions being 37¾ in. long by 2 in. wide with 8 leaves on the front and 54¼ in. long by 2¼ in. wide with 11 leaves at the rear. Exceptionally easy rding qualities are claimed for the new car and one of the special design features responsible for this is the setting of the extra long spring shackles at an angle of 45 deg. when the car is loaded. This design allows a free movement of the flat cambered springs. Heavy coil springs are placed on the shackle bolts to compensate for wear and prevent rattles, the dimensions of the bolts being ¾ in. diameter all round.

An unusually rugged straight tapered frame is provided for in the new car. The maximum depth of the side channel members is 7 in. which is claimed to be the deepest frame constructed for a car of this weight. The thickness of the stock is ⅛ in. Three pressed steel cross members and one tubular brace at the extreme rear of the frame are employed while the foremost cross member is reinforced with diagonal gussets upon which the front of the engine is supported. The rear engine supports are bolted to mounting plates riveted to the frame with the flywheel housing forming a frame cross member.

Standard tire equipment consists of 30 by 5.77 in. balloon tires mounted on Firestone "A" rims attached to 12 spoke artillery wheels. In addition Gabriel snubbers are used all around while the chassis lubrication is by the Alemite system.

All bodies including the present sedan will be of composite wood and steel construction while the exterior finish will be in three color lacquer with suitable striping. On the closed cars a fine grade of mohair plush will be employed for the upholstery, with genuine Spanish leather used on the two open cars. In addition to the usual dash instruments which are mounted in a panel embodying the radiator design, a gasoline gage is installed which together with the following items are fitted as regular equipment. Windshield wiper, rear view mirror, rear traffic signal, cowl lights, transmission lock, shock absorbers all around, foot rest, robe rail, besides a dome light and curtains on the closed cars.

The headlights which are nickeled to correspond with the radiator are fitted with special lens and a single 21 c. p. bulb with the dimmer control mounted in a combination switch on the metal dash. All interior hardware on the closed jobs including the rotary window regulators, will be given a bright and dull silver finish. The foot accelerator pedal is formed of malleable iron and is of the treadle type. Ready for the road but excluding passengers, the sedan model weighs 3310 lbs. with 1715 lbs. of the weight taken on the rear wheels.

"PENNANT" FIELDERS' GLOVES

KNOCKOUT VALUE IN AN ALL LEATHER FIELDERS' GLOVE

A glove you can't buy elsewhere within several dollars of this price! Note materials, size and quality. "Pennant" made.

Nearly Full Size

Selected [illegible] glove leather, palm and fingers genuine leather lined [illegible] of fingers, set a third [illegible] in box.

1K499—For right hand player .....DOZ **$9.00**

Rawhide Laced

1K502—Professional model, [illegible] oil dressed black [illegible] other lined [illegible] Each **$1.25**

Hand Made Felt Pad

1K503 — Buck finish pearl horsehide full leather lined [illegible] back of fingers, [illegible] Each **$1.68**

Full Leather Lined

1K522 Professional model, [illegible] pad with deep soft pocket. 1 in box. Each **$2.20**

Adjustable Laced Thumb

1K511 "Bull dog" model, [illegible] Each Out

Hand Made Felt Pad

1K524 Professional model genuine buck [illegible] Each **$4.35**

BASEMEN'S MITT

"Grabber" Model

1K571 Brown calfskin [illegible] deep natural pocket. 1 in box Each **$3.50**

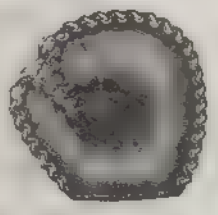
"PENNANT" FIRST BASEMEN'S MITTS

Large Youths' Size

1K567—"Dollar Wonder" [illegible] tanned brown leather [illegible] and button wrist, [illegible] ½ doz. Doz **$9.00**

Laced Edge

1K570—Cadet, large youths' [illegible] throughout ½ doz in box. Doz **$10.95**



Horsehide Face

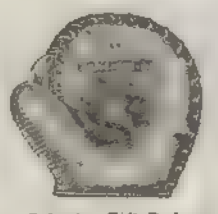
1K572 — "Winner" large youths' tan [illegible] back and fingers, laced edge. ½ doz in box Doz **$13.20**

Full Size

1K576 — Scout professional model, [illegible] Each **$1.35**

Layer Felt Pad

1K574 Professional model, [illegible] 1 in box Each **$2.20**



Asbestos Felt Pad

"Grabber" model, heavy [illegible] horsehide [illegible] 1K578 [illegible] Each **$3.00**

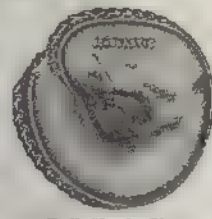
"PENNANT" CATCHERS' MITTS

Laced Edge

1K527 Cadet, large youths' [illegible] Doz **$10.95**

Black Horsehide Face

1K532 — "Winner," large [illegible] tan horsehide back and fingers, laced edge. ½ doz. in box Doz **$13.20**

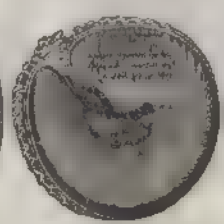


Full Men's Size

1K528—"Scholastic," brown leather [illegible] Each **$1.50**

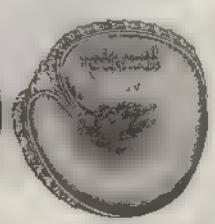
Heavy Cowhide

1K [illegible] Scout Pro. full men's [illegible] Each **$2.40**



Hand Built Pad

"Professional" scoop, heavy [illegible] 1K538—Forest hand player, [illegible] Each **$4.25**

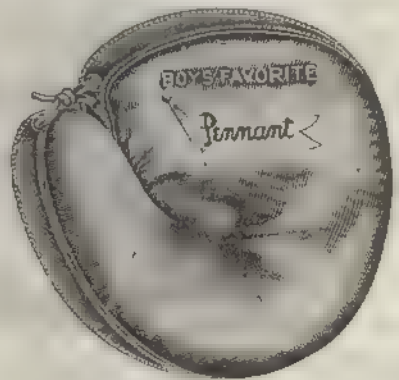


"Hank Gowdy" Model

1K538—Autographed, select- [illegible] Each **$6.75**

"DOLLAR WONDER" CATCHERS' MITT

Well made of durable leather, a wonderful value. "Pennant" made—sure to give satisfactory service.



Large Youths' Size

"Dollar Wonder," tan leather, leather face and fingers, black bound edge, hand formed pad.

1K526—Black cowhide face

½ [illegible] box.

DOZ **$8.25**

BASEBALLS

An all star aggregation of play balls, amateur and professional baseballs. You are sure of a quick sale, a quick turn if you buy from these pages.

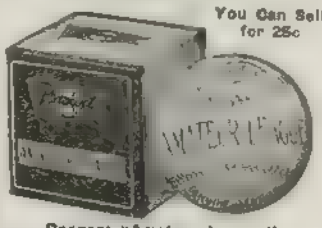
"PENNANT" BASEBALLS

You Can Sell for 10c

Pennant "Boys' Favorite"

1K621—8 oz. yarn horsehide cover, hand sewed with linen thread, yarn wrapped core. Doz **78c**

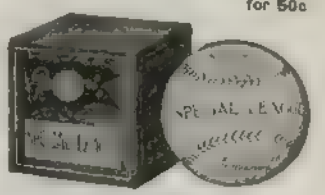
You Can Sell for 25c



Pennant "Amateur League"

1K627—9 in. approx., 5 oz. genuine horsehide cover, hand stitched with linen thread, yarn wrapped core, each in box. Doz **$2.15**

You Can Sell for 50c



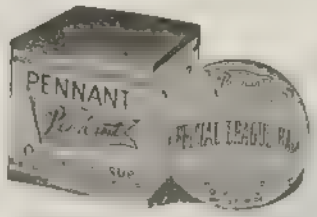
Pennant "Special League"

1K630—9 in., 5 oz. selected genuine horsehide cover, rubber center wrapped with wool yarn, hand stitched with linen thread, each in box. Doz **$4.10**

Improved "Official League"

Guaranteed 18 Innings

Think of it! A "dollar" retailer that you can guarantee for 3 full games.



You Can Sell for $1.00

1K637—"Pennant" 9 in., 5 oz., pure gum center, wound with wool yarn, covered with fine grade horsehide cover, stitched with linen thread, waxed thread, each in box. Doz **$8.25**

Playground Balls—Soft Filled

12 in. & 14 in. "Scholastic"

"Pennant" [illegible] horsehide cover, waxed thread, each in box.

1K654 12 in. Doz

1K655 14 in. Doz

12 in. "Official"

1K649—"Pennant," imsam chrome horsehide cover, stitched with 3 color thread, kapok filled, each in carton, 6 doz. in box. Doz **$10.25**

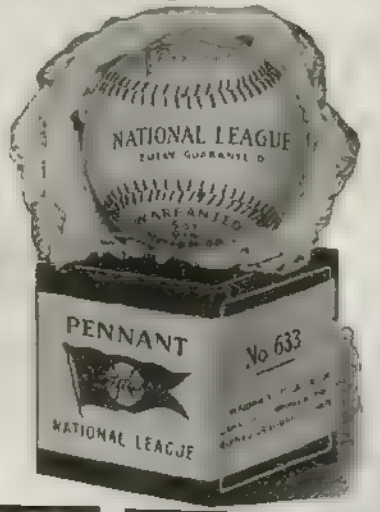
"PENNANT" LEAGUE BASEBALLS

Think of it! We guarantee these league balls to last 3 full games or 27 innings. Moreover in every respect, they meet the standard requirements of both professional leagues. They are the fastest selling balls on the market at $1.50.

GUARANTEED FOR **27 INNINGS**

National League

1K633
DOZ
$11.50



We guarantee "National League" baseballs to last 3 full games or 27 innings.

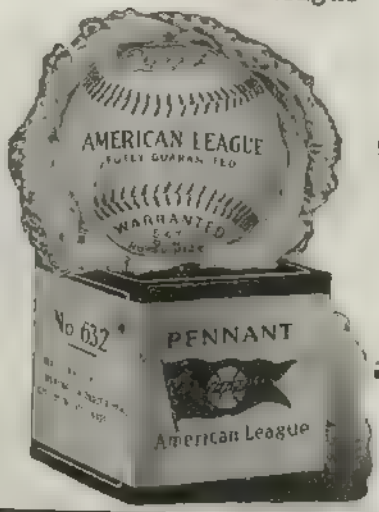
9 in., 5 oz., 1 oz. center wound with Eaton Rapids Government standard wool yarn covered with Young's Al alum tanned horsehide double stitched in 2 colors with waxed thread by the highest skilled workmen. Subjected to rigid inspection and any ball not meeting League standard is rejected.

"National League," red and black thread, finest pure Para gum center, each in sealed carton, foil and tissue wrapped.

1K633—½ doz. in box.....Doz **$11.50**

American League

1K632
DOZ
10.75



We guarantee "American League" baseballs to last 3 full games or 27 innings.

"American League," red and green thread, cork and Para rubber center, each in sealed carton, foil and tissue wrapped.

1K632—½ doz. in box.....Doz **10.75**

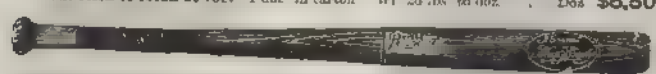
"PENNANT" BASEBALL BATS

1K607—"Leader," 28 in., hardwood, green stained flame worn and varnished. Sold in any quantity. Wt. 16 lbs. to doz. Doz **$1.25**

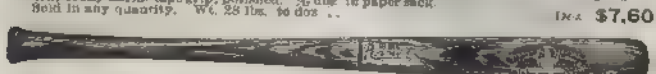
1K608—"Boys' League," 28 in., stocky hard wood stick, stained, oiled and varnished. 1 doz. in pkg. Wt. 18 lbs. to doz. Doz **$2.10**

1K546—"Regulation," full size, 32 to 36 in., seasoned ash, flame burned and varnished. 1 doz. in carton. Wt. 27 lbs. to doz. Doz **$4.10**

1K547—"Semi-Pro," 32 to 36 in., straight grain ash, clear varnished finish, stout stick to retail at 75c. 1 doz. in carton. Wt. 28 lbs. to doz. A good Doz **$5.50**

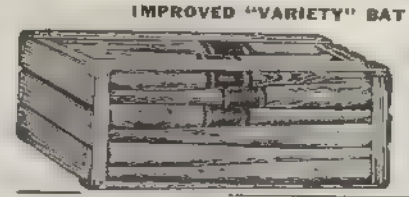


1K583—"Black Beauty," 32 to 36 in., regulation size, selected second growth straight grain ash, ebony finish, tape grip, polished. ½ doz. in paper sack. Sold in any quantity. Wt. 28 lbs. to doz. Doz **$7.60**



1K586—"Official" Champion, 32 to 36 in., regulation size, first growth straight grain seasoned ash, clear natural finish, varnished and polished. ½ doz. in paper sack. Sold in any quantity. Wt. 28 lbs. to doz. Doz **$10.80**

IMPROVED "VARIETY" BAT ASSORTMENT



1K611—All weather seasoned hard wood in the popular models and finishes. Assorted as follows:

		Retail at
24	"Boys' League," 28 in.	25c
12	Regulation," 32-36 in.	50c
6	Semi-Pro	75c
6	Black Beauty, 32 to 36 in.	$1
	Total retail value	$12.50

Assrtd. 48 bats in crate.

ASST. 48 bats. **$14.30**

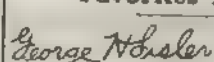
"LOUISVILLE SLUGGER" BATS

Famous "Hillerich and Bradsby" Autographed Bats

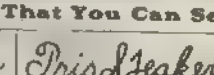
These are famous bats and you will need a good stock to supply the demand for each of these leading batsman.

The big league bat, used by the famous sluggers, each bat branded with photo and signature of player, finest selection of second growth straight grained ash, seasoned for 2 years, hand burnt and finished, varnished and polished. 1 in paper pkg.

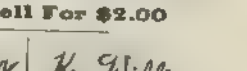
Favorites That You Can Sell For $2.00



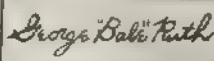
1K606—George Sisler. Doz **$16.20**



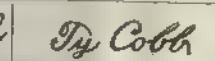
1K590—Tris Speaker. Doz **$16.20**



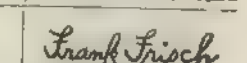
1K601—Ken Williams. Doz **$16.20**



1K606—Babe Ruth. Doz **$16.20**



1K668—Ty Cobb. Doz Out



1K602—Frank Frisch. Doz Out

1K602—Babe Ruth Jr., 32 in. Junior model of 1K606. Doz **$7.20**

HILLERICH & BRADSBY'S INDOOR BASEBALL BAT

1K340—33 in., straight grained ash, flame burnt and polished, tape handle. Sold in any quantity. Doz **$6.75**

OUR TERMS **2%** **10 DAYS**
1% 30 DAYS
NET 60 DAYS

BASEBALL UNIFORMS and SUNDRIES

"PENNANT" UNIFORMS

Shipped from Factory in Chicago

Swatches furnished on request. Show the local teams cloth samples and tell them you can get prompt delivery

Important Note—Our quotations are for uniforms complete, 5 pcs. shirt, pants, cap, hose and belt, complete in box. All our suits are cut over extra large, roomy athletic patterns, allowing freedom of action

Shirts—Double row silk soutache braid on neck, front and sleeves.
Pants—Canvas stayed waist, double crotch, back seam tape reinforced, elastic bottoms, belt loops and tunnel, roomy hip pockets.

Caps—Cloth matches suit, green lined visors.
Belts—Heavy solid leather
Hose—Footless, 4 in. calf band.

➡1K658-18—SPECIAL, BOYS' light gray athletic flannel with narrow red and green stripe strong and durable made in the same pattern as our No. 1 suit, same workmanship, solid color ribbed hose. Sizes 28 to 34 in. chest. SPECIFY SIZES.
Suit **$3.25**

➡1K650-23 — SEMI-PRO MEN'S gray with alternating dia. mond, coon stripes made of flannel you can guarantee to be the equal of any worsted goods made at the price as well as durable. Sizes 34 to 44 in. chest. SPECIFY SIZES.
Suit **$5.75**

➡1K655 — PROFESSIONAL MEN'S standard Portland tailored wool flannel shirt and two weave grey with maroon and white stripes, satin faced cap, wool plated hose. Sizes 36 to 42 in. chest. SPECIFY SIZES.
Suit **$8.00**

➡1K657 — MEN'S worsted athletic flannel street gray mixture with one hair pin stripe, ventilated cap, web loop leather belt. Sizes 36 to 44 in. chest. SPECIFY SIZES.
Suit **$10.00**

WOOL PLATED BASEBALL HOSE

1K662—Wool plated, heavy gray with 4 in. navy band on calf, footless. ½ doz. in box. Doz Out

"PENNANT" CHEST PROTECTOR

1K705 — "Professional," full size, hand stuffed with curled hair, high absorber protection, extra deep, large, arch protector, leather bound, all-position adjusting web harness. 1 in carton. Each **$3.25**

"PENNANT" MASKS

Enameled steel wire frames, welded joints.

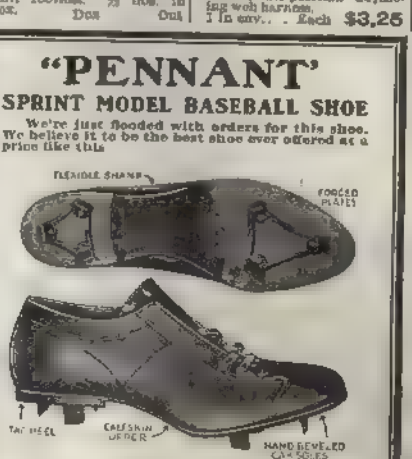
1K706—Youths' leather covered pads, elastic harness with strap and buckle. 1 in box. Each **$1.35**

1K707—Professional, full size, combination leather faced pad laced to frame, chin protector, elastic head harness with two way strap and buckle adjustment. 1 in box. Each **$2.60**

1K708—Professional, full size, leather faced pad laced to frame, chin and neck protector, elastic head harness with two-way strap and buckle adjustment. 1 in box. Each Out

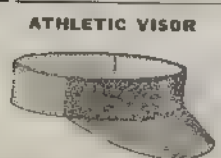
"PENNANT" SPRINT MODEL BASEBALL SHOE

We're just flooded with orders for this shoe. We believe it to be the best shoe ever offered at a price like this



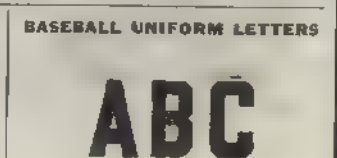
1K733—Black calf upper, tough soft pliable uppers, hand beveled light weight oak soles with tempered steel plates, prevents injury to ball of foot from spike pressure, cap heel, forged plates, ground edges. Sizes 7 to 11. SPECIFY SIZES. 1 pair in box.
Pair Out

ATHLETIC VISOR



1K667—For all forms of athletics, for automobile drivers, muslin lined felt head band with elastic sun, 1 oz. flexible green transparent celluloid visor. 1 doz. in box with display card.
Doz **$4.00**

BASEBALL UNIFORM LETTERS



1K663—2½ in. high, black felt block type, attachable with cement or tailors' adhesive material. SPECIFY LETTERS.
Each 3c

FISHING TACKLE

No need to invest heavily in tackle when you buy here, but you will find it necessary to reorder again and again and again

LINES THAT CAN BE SOLD FOR 5c

1K2113—25 ft. hanks of braided Sea Island cotton, 1 doz. each of 4 mighty attractive color combinations, assd sizes, Assd. 4 doz. in counter display box with beautiful litho picture in cover. . . Doz **39c**

1K2114—Genuine linen mill ends, asstd. colors and sizes, made of pure Irish linen, aver. length 45 ft. mounted on round cards. We have taken the mill's entire accumulation of ends, each card is actually 15c worth of line Asstd. 2 doz. cards in box. Doz Out

LOOK!

Lines That You Can Sell For Ten Cents

79c DOZ — Lines that can be sold for 10c — $9.00 GROSS

Gross price applies on all orders for 1 gross or more of either 1 number or assorted numbers.

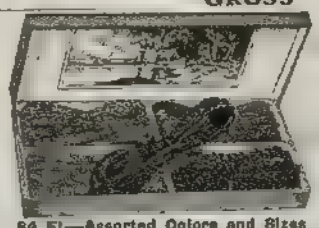
Cuttyhunk "Sea Bay"

1K2163—Lengths vary from 60 to 90 ft. on black enameled wood spool a variety of sizes and colors in each box, a quality of line never before sold at a popular price. Breaking strain by actual test varies from 18 to 42 lbs. all made of best pure Irish flax. Asstd. 3 doz. spools in display box. . . Doz **79c**
Gro **$9.00**

32 Thread Braided Lisle

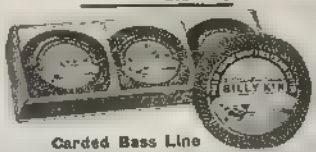
1K2141 50 ft. fine grade 32 thread imported cotton, strong smooth braid on paper covered wood block
1 doz. in box Doz **79c**
Gro **$9.00**

1K2166—25 ft. green mottled braided silk baked on enamel, strong waterproofed line good enough for fly fishing, 6 lengths mounted on perforated card. 1 doz. cards in box . . Doz **79c**
Gro **$9.00**



84 Ft.—Assorted Colors and Sizes

1K2210—Braided Sea Island cotton, hard braid, smooth finish, 6 lengths each of 4 very attractive color combinations in a divided display carton with bright colored fishing scene in cover
Asstd. 2 doz. in carton Doz **$74**
Gro **$8.50**



Carded Bass Line

1K2145—54 ft. fine strong smooth 16 thread, fancy braided imported cotton on beautifully silhouetted cards, 3 distinctly different colors.
Asstd. 1 doz. in divided carton Doz **79c**
Gro **$9.00**

"Dime Wonder" Furnished Line

1K2212 15 ft. fine finish white & green line, variety of sizes, shapes and colors of floats, adjustable sinkers, spear point hooks, mounted on 3 in. enameled wood winders Asstd 1 doz in counter display box Doz **79c**
Gro **$9.00**

LINES THAT CAN BE SOLD FOR 25c

"Sea Bay"

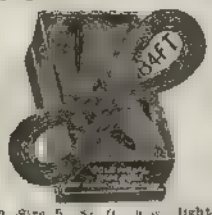
1K2164—**"Sea Bay,"** genuine Irish linen cuttyhunk asstd sizes and colors in box, asstd lengths on large black enameled litho labeled wood spools no spool contains less than 50 yds and some as high as 90 yds with an average test of 40 lbs a thoroughly high grade line adaptable for any kind of casting or trolling Asstd. 1 doz spools in box.
Doz **$2.10**

"Land-Em"

1K2167—**"Land-Em,"** braided pure Japan silk casting line, 36 yds on large black enameled litho labeled spool, tests 12 lbs or better, a variety of splendid colors and patterns that fishermen want, a greatly improved assortment
Asstd 1 doz in box Doz **$2.10**

Any of the Fishing Tackle shown herewith has the high quality and the tested designs that will satisfy your customers. The low prices bring a larger-than-usual profit to you.

"SAMSON" COIL LINES



1K2120 Size 5 Sea Coil, light weight braided Sea Island cotton, bright green enameled coil, size hard braid extra finish
4 doz coils in box Doz coils **80c**

"STERLING" CUTTYHUNK

Natural Color
"Cortline" Brand

50 Yd. Spools—Made by the Cortland Line Co. hard smooth twisted pure Irish flax. ½ doz spools in box.

Size	Test	
1K2116—9	18 lbs	Doz **$4.00**
1K2117—15	30 "	" **6.00**

NEW "SHADY BROOK" FISH LINE ASST.

A larger and more varied assortment than ever before. Full range of popular priced lines.

1K2211—Variety of colors, sizes and brands retailing from 5 to 25c Packed in partitioned display carton each section marked with suggested selling prices.

Quantity	Description	Each Retail	Total Retail
12	25 ft. hanks	5c	$0 60
12	50 " cards	5c	60
12	50 " "	10c	1 20
6	50 " "	10c	60
12	84 " coils, 3 colors	15c	2 70
6	25 yd. spools, asstd	25c	1 50
	TOTAL RETAIL VALUE		$7 20

1 asst. (66 lines) in partitioned display box with litho picture in cover.
ASST (66 lines) **$4.70**

BRAIDED SILK LINES

Made from 3 ply XX cracks Jap silk, which is the best. Smooth lustrous braids, guaranteed free from defects and to test weights stated.

South Bend "Peach-Oreno," medium soft braid, salt and pepper design.

	Box
1K2160—15 lbs	Out
1K2161—12 "	2.60
1K2162—25 "	3.27

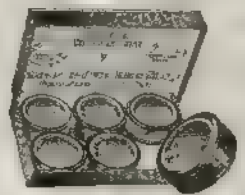
South Bend "Anti-Back-Lash," soft braid silver check 50 yds. on black enameled spool. 2 spools connected in box.

	Box
1K2173—10 lbs	$2.80
1K2174—25 "	3.40

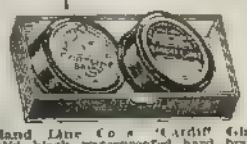
South Bend "Black-Oreno," solid black waterproofed hard braid. 50 yds on spool, 2 spools in box.

	Box
1K2168—11 lbs	$ Out
1K2169—18 "	
1K2170—24 "	3.33

"DOLLAR WONDER"



1K2110—50 yds black enameled spool, 18 lb. test best grade pure Jap thread silk braided twisted core 3 patterns—"Black King" solid black waterproofed hard braid, "Big Chief" silver check soft braid and "Diamond Back," diamond chain medium braid. Asstd. ½ doz. spools in display box . . Doz spools **$8.25**



Cortland Line Co.'s "Cardiff Giant," solid black waterproofed hard braid, a quality line that is making friends everywhere 50 yds. on black enameled spool. 2 connected in box.

	BOX (2 spools)
1K2153—Test 15 lbs.	$2.25
1K2154— " 24 "	3.00

1K2175—**Famous "Bass King,"** pure Jap silk, white with black check, med um hard braid test 20 lbs 50 yds on long spool in sealed glass tube. 2 tubes connected in box.

BOX (2 tubes) **$2.50**

Bisque Dolls

4-Inch Bisque Doll

Flesh Colored Bisque Doll with painted hair and ribbon. 4 inches high. Packed two dozen in box.

No. 35N63. Gross Out | Dozen Out

4½-Inch Bisque Doll

4½ inches high moving arms and legs, painted hair, shoes and stockings. One dozen in box.

No. 35N95. Gross 8.50 | Dozen .75

Jointed Bisque Boy Doll

Double jointed Bisque Dolls with painted hair, shoes and stockings. Nicely shaped bodies. Two sizes. One dozen in box.

No. 35N68.	No. 35N69.
3½ in. Doll.	5¼ in. Doll.
Gross 4.25	Gross 9.00
Dozen .38	Dozen .80

Jointed Bisque Girl Doll

Pretty girl dolls with painted bow ribbon, yellow painted hair, fat bodies, arms jointed at shoulders, legs at hips. Two sizes.

3½ inch Doll.	5¼ inch Doll.
No. 35N71.	No. 35N70.
Per gross.. 4.25	Per gross.. 9.00
Per dozen. .38	Per dozen. .80

Character Bisque Doll

5½ inch high, painted hair, jointed arms and legs. Flesh colored body. Packed one dozen in box.

No. 35N64. Gross Out , Dozen Out

Merry Widow Bisque Doll

A wonderful doll for dressing or making into a pin cushion. 5½ inches high, flesh colored body, yellow painted hair, large flirting eyes, moving arms.

35N61. Gross 9.50 | Dozen .85

Rose O'Neill Kewpie Doll

5¼ inch Genuine Kewpie Doll. Beautifully tinted and hand painted. Even the eyelashes are shown. Not the ordinary kewpie but a wonderful Bisque Doll with moving arms. One dozen in box.

No. 35N60. Per Dozen..... Out

Bathing Boy and Girl

Beautiful flesh colored boy and girl in silk bathing suits, 3½ inches high with painted hair and moving arms. Girl has large blue colored bow on head. An exceptional value. One doz. in box. ½ boys and ½ girls.

No. 35N74.

Per gross.. 9.00 | Per dozen.. .80

Jointed Bisque Doll with Hair

5¼ inch Bisque Doll with hair (not painted), jointed at shoulders and hips. Pretty face, tinted, fat body, shoes and stockings painted.

No. 35N73. Per Dozen..... 1.85

Sleeping Eye Bisque Dolls, with Hair

Moving eye Doll in two sizes, made of fine quality bisque, flesh tinted bodies, painted features, curly hair with colored ribbons, painted slippers and socks. Two sizes.

No. 35N90.

Size 4¼ inches. One dozen in box.

Per dozen..... 2.15

No. 35N91.

Size 5¼ inches. Each in box.

Per dozen..... 4.10

Extra fine quality Bisque Doll, fat body, flesh colored, moving eyes, arms and legs, curly hair with ribbon. Painted shoes and socks. Two sizes.

No. 35N92	No. 35N93
Size, 6½ in. Each in box	Size 7½ in. Each in box.
Doz. 5.50	Doz. 8.25

CELLULOID DOLLS

CELLULOID DOLL

2¾ Inches High. Standing position. Flesh colored, painted features and hair. 3 dozen in box.

No. 34N108.

Per gross..... 2.50
Per dozen..... .22

CELLULOID FAT BABY DOLL

Comes in 2 Sizes. Made of good quality celluloid with moving arms and painted features

No. 34N106. 3 in Doll 2 doz. in box

Per gross.... 4.00
Per dozen..... .35

No. 34N107. 4½ in Doll 1 doz. in box

Per gross.... 8.00
Per dozen.... .70

CELLULOID DOLL WITH DIAPER

5 Inches High, painted features hair and diaper Moving arms standing position One dozen in box.

No. 34N114.

Per gross....
Per dozen ... .75

CELLULOID BATHING GIRL

Bright Colored painted bathing suit, features and hair. 6¼ inches high, standing position and moving arms. Two dozen in box.

Per gross..... 9.00
Per dozen. . .80

CELLULOID DOLLS ASSORTED

Six Assorted Dolls ½ Girls, ½ boys 2¾ inches high, in brightly colored costumes. Standing position. 3 dozen in box

No. 34N109. Per gross. . 3.30
Per dozen 30

With Colored Fez, attractively colored in bright combinations Painted features 3½ inches high. 3 dozen in box.

No. 34N110.

Per gross..... 4.50
Per dozen..... .40

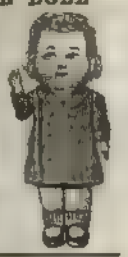
CELLULOID BATHING BOY

5 Inches High. Extra heavy celluloid. Fine painted features and hair with painted bathing suit in bright colors. Moving arms. 2 dozen in box.

No. 34N56.

Per gross..... 8.00
Per dozen..... .80

CELLULOID GIRL DOLL



5 Inches High, painted coat, shoes and socks, very attractive face. Moving arms, good quality celluloid. 2 dozen in box.

No. 34N57.

Per gross..... 9.00
Per dozen..... .80

Celluloid Bride and Groom. Most popular doll for favor The bride is dressed with white skirt made of good quality tissue paper and silk veil with wreath of silk flowers with a bouquet in her hand The groom has painted dress coat and black paper high hat and rose in lapel 3 inches high. One pair in box.

No. 7N110.

Per gross pair ...
Per dozen pair . 1.65

CELLULOID SOLDIER ASSORTMENT.

Five Inches High. Six kinds assorted Brightly painted colored uniforms Nice features, good quality celluloid. Two dozen in box, assorted

No. 34N103.

Per gross..... 9.00
Per dozen..... .80

CELLULOID VAMP DOLL

6 inches high flesh colored fat body wavy hair. Big black painted eyes and shown lashes. An excellent doll for dressing or making pin cushions One dozen in box.

No. 34N119.

Per gross 9.60
Per dozen. .85

CELLULOID BOY DOLL ASSORTMENT

A Popular Priced Assortment of celluloid dolls representing a policeman, Sailor, Boy Scout, Football Player, Aviator and canoeist. They are so attractively painted in beautiful bright colors that their resemblance is almost natural. These dolls are 4 inches high. Packed two dozen in a box. Equally assorted.

No. 34N112. Per gross..... 9.00 | Per dozen..... .80

CELLULOID DOLLS ASSORTED

7 Inches High. comes assorted in six different styles made of heavy quality celluloid Beautiful painted black eyes, painted wavy hair Very attractive. A wonderful value.

No. 34N120.

Per dozen.... 1.25

Jointed Celluloid Character and Novelty Dolls

3 AND 3½ INCH CELLULOID JOINTED DOLLS

This stock just received. Strong, fresh elastic holds arms and legs at joints. Hand painted hair, eyes, etc. Good weight celluloid Nicely moulded.

[illegible] Doll.	3½ Inch Doll.
6 doz in box.	1 doz. in box.
No. 34N88.	No. 34N91.
Gross.. 3.60	Gross.. 4.50
Dozen.. .32	Dozen... .40

6 INCH CELLULOID JOINTED DOLL

This is a full size doll with fat body in full proportion to legs. Arms and legs jointed to body with strong elastic. Well moulded. The hair, eyes, cheeks and lips are hand-painted. Body flesh color, a good weight celluloid. One dozen in box.

No. 34N86.
Gross . 3.00 Dozen.. .30

7 AND 8 INCH CELLULOID JOINTED DOLLS

Very handsome celluloid Dolls with arms and legs jointed to body. Beautifully proportioned. Delicately hand tinted faces, hair, eyes and lips. Seams most carefully matched. Fresh resilient elastic, heavy gauge celluloid.

No. 34N94.	No. 34N95.
7 inch doll	8 inch doll
Dozen.. 1.25	Dozen.. 2.00

7 INCH CELLULOID JOINTED BATHING GIRL

Celluloid Bathing Girl with very cute and attractive face made of heavy quality celluloid with brightly colored bathing suit and cap. Jointed at shoulders and hips; a very attractive number. One dozen in box

No. 34N96.
Per dozen..... 2.00

5 AND 7 INCH CELLULOID CHEMISE DOLL

These Dolls have painted chemise and ribbon with rosettes in hair. Made of good quality celluloid with well rounded bodies. Jointed arms and legs. One dozen in a box.

No. 34N113.	No. 34N88.
5 inch doll.	7 inch doll.
Gross... 2.00	
Dozen... .30	Dozen... 2.00

5 AND 7 INCH CELLULOID BUSTER BROWN

Buster Brown just as popular to-day as he ever was. Made of good quality celluloid with moving arms and legs. Painted suit and tie, shoes and socks. One dozen in box.

No. 34N54.	No. 34N55.
5 inch doll	7 inch doll.
Gross .. 2.00	
Dozen... .30	Dozen... 2.00

CELLULOID DOLL

Real Hair Net and Ostrich Plumes

Surprisingly Beautiful 5¼ Inch Celluloid Doll with real hair wig blonde, henna etc., real hair and face net, also a gorgeous girdle of real ostrich plumes, assorted contrasting colors. Very beautiful new and appealing

Packed one doz assorted in box

No. 36N60. Per dozen... ... 2.00

It Floats

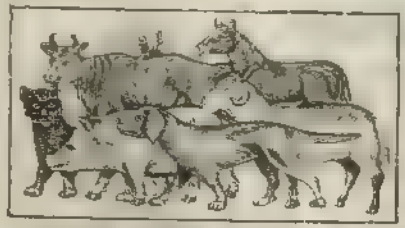
CELLULOID DIVING GIRL

Celluloid Diving Girl, something new and different in the way of a Celluloid Novelty Doll. The pose is that of a real champion diver perfect in every detail. This attractive doll will float in water, or can be used as a decoration for an automobile. Painted features, red painted one piece bathing suit with cap to match, blue stockings and black shoes. Size 7¾ inches over all. One dozen in box.

No. 34N115. Per gross ..... 14.00 Per dozen 1.25

Celluloid Toys, Emblems, Etc.

Sold in Original Packages Only



Domestic Animals, made of celluloid handsomely tinted in natural colors, perfect in form and feature, 6 styles assorted, horses, pigs, sheep, dogs, donkeys and cows. One dozen assorted in display box; average height 2 inches.
No. 32N42. Per dozen . . .80

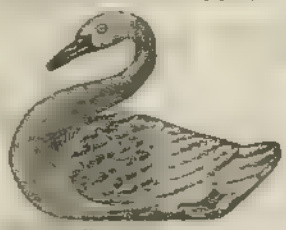
COLORED CELLULOID SWAN

Highly Colored Celluloid Swans. These Swans are offered in two sizes. Both are nicely decorated in many bright colors. Each size, one gross to box.

No. 32N86. Small Swan 1" long. Per gross 1.50

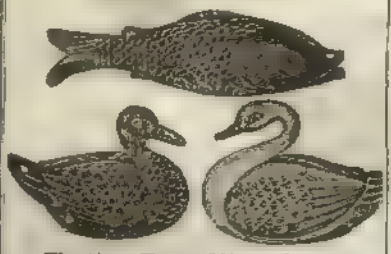
No. 32N87. Large Swan 2 inches long. Per gross 2.75

SWANS AND DUCKS



Assorted Swans and Ducks. Made of white celluloid, beautifully embossed and colored. They come assorted, swans and ducks. Swans about 2¼x2 inches. Ducks about 2½x1¾ inches. Six dozen to box.
No. 32N88. Per gross..... 4.50
Per box of 6 dozen..... 2.40

FLOATING TOYS



Floating Toys, 2½ to 3 inches, assorted ducks, fish, frogs etc., hollow celluloid bodies, painted in natural colors, 3 kinds. One dozen assorted in box.
No. 32N50. Per dozen 42

FLOATING TOY ASSORTMENT

An Assortment of Three Dozen Celluloid Toys that makes a bright spot in the story. Every color. Toys to sell for 5, 10, 15 and 25 cents. Conservative retail value $3.00. Packed in a handsome partitioned display box with sign.
No. 32N25. Per assortment 3 dozen..... 3.50

Floating Celluloid Fish, perfect in form, length 4 inches; is an exact reproduction. Comes in bright red color, large natural colored eyes. Two dozen in box.
No. 32N85.
Per box of 2 dozen.. .84

Floating Celluloid Wild Ducks. Length 3½ in. Richly tinted in assorted natural colors. A most life-like appearance. One dozen on attractive lithographed display card in box.
No. 32N55.
Per gross.. 9.50 | Per dozen .80

Wild Animals. Made of celluloid, handsomely tinted in natural colors, perfect in form and proportion. Six styles, assorted—Camel, Elephant, Lion, Tiger, Bear and Rhinoceros. One dozen, assorted, in display box. Average height 2 inches.
No. 32N43 Per dozen .80

SHRINERS' CAMELS

Shriner's Camels. Well made Celluloid camels in natural colors. Assorted sizes to suit every requirement.

Plain Camel. Camel 1¾x2¾ inches. One dozen in display box.
No. 32N29. Per gross..... 8.00
Per dozen ..... .70

Camels with Ring in Hump. Camel with brass ring in hump for attaching. Badge. Size 1⅞x2¾ inches.
No. 5N30. Per gross..... 7.50
Per dozen ..... .65

Camel, 2¼x2¾ inches, with ring in hump for attaching badge.
No. 5N31. Per gross..... 9.00
Per dozen..... .80

CELLULOID EMBLEMS

Political Party Celluloid Emblems. Elephants and Donkeys in natural colors, average length about 2¾ inches. For use in making political badges for banquets, etc. Also a nice toy.

No. 32N30. Republican Elephant.
Per gross. 8.00
Per dozen .70

No. 32N28. Democratic Donkey.
Per gross. 8.00
Per dozen. .70

BON Chrome-WREN

BONNEY "CV"*
Chrome Vanadium
DOUBLE HEAD WRENCH ASSORTMENT
No. 311

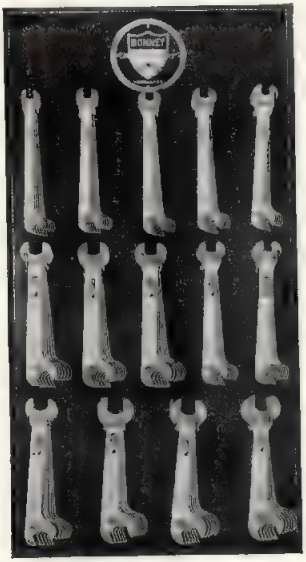
Bonney "C-V"* Assortment No. 311 contains three each of eleven of the most popular numbers of *Chrome-Vanadium* engineers' wrenches. All wrenches are drop-forged from Chrome Vanadium Steel, properly heat treated and guaranteed.

Finished in nickel with buffed heads

With each assortment a mahogany finished board with hooks, number plates, etc., is furnished free of charge. The board is of a convenient size, 25¾ inches long by 7½ inches wide

The complete assortment is packed in a shipping container and weighs 10 pounds It can be shipped by parcel post.

Price of No. 311 assortment, 33 "C-V"* wrenches and display board - **$19.49** Net



BONNEY "CV"*
Chrome Vanadium
Valve Tappet Wrench Assortment
No. 614

Bonney "C-V"* assortment No. 614 contains six each of fourteen of the most popular and best selling sizes of Bonney *Chrome Vanadium* Valve Tappet wrenches as follows 401A, 402, 402A, 403, 403A, 404, 405, 406, 406A, 407, 407A, 408, 408A, 409. All wrenches are drop-forged from *Chrome Vanadium* Steel, properly heat treated and guaranteed. With each assortment a mahogany finished board with hooks, number plates, etc., is furnished free of charge. The board is 31½" long by 16½" wide, and the complete assortment, packed for shipment, weighs 52 lbs

Price 84 wrenches and display board - - **$91.50** Net

Complete information as to sizes of openings of individual wrenches will be found on opposite page.

BONNEY
"ONLY THE BEST"

NEY Vanadium CHES

BONNEY "CV"*
Chrome Vanadium
VALVE TAPPET WRENCH ASSORTMENT
No. 308

Bonney "C-V"* Assortment No. 308 contains three each of eight of the most popular numbers of Bonney *Chrome Vanadium* Valve Tappet wrenches, as follows—402, 402A, 403, 403A, 404, 405, 406, 407. (See bottom of this page for individual sizes and prices.)

Finished in nickel with buffed heads.

With each assortment a mahogany finished board with hooks, number plates, etc., is furnished free of charge. The board is of a convenient size, 25¾ inches long by 7½ inches wide.

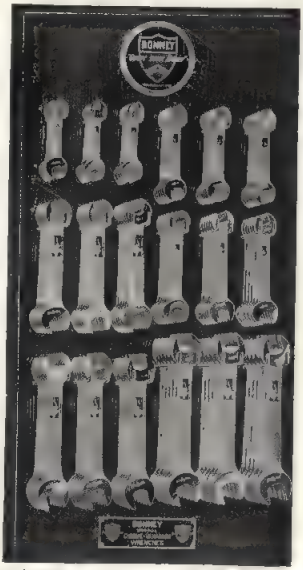
The complete assortment is packed in a shipping container and weighs 8 pounds It can be shipped by parcel post.

Price of No. 308 assortment, 24 "CV"* wrenches and display board - **$25.50** Net

BONNEY "CV"* *Chrome Vanadium* Engineers' Wrench Assortment No. 618

Bonney "C-V"* Assortment No. 618 contains six each of eighteen of the most popular and best selling sizes of *Chrome Vanadium* engineers' wrenches, as follows—1723, 1023, 1723A, 1725, 1725B, 1025, 1727, 1027, 1027C, 1028S, 1729, 1029, 1031, 1731, 1731A, 1033, 1733, 1033C

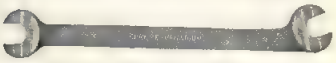
All wrenches are drop forged from *Chrome Vanadium* Steel, properly heat treated and guaranteed. With each assortment a mahogany finished board with hooks, number plates, etc., is furnished free of charge. The board is 31½" long by 16½" wide and the complete assortment, packed for shipment, weighs 83 pounds.



Price 108 wrenches and display board - **$81.25** Net

Complete information as to sizes of openings of individual wrenches, also bolt and screw sizes for U. S. Standard, Hex. Cap and S. A. E. nuts will be found on first page describing Bonney *Chrome Vanadium* Double Head Engineers' Wrenches.

BONNEY "CV"* *Chrome Vanadium* VALVE TAPPET WRENCHES



All sizes of Valve Tappet Wrenches are 8 inches long

Stock No.	Milled Opening	For S. A. E. Nuts Bolt Size	For U. S. S. Nuts Bolt Size	Thickness of Head	Price Nickel Finished
401A					2.20
402					2.20
402A					2.20
403					2.20
403A					2.20
404					2.40
405					2.40
406					2.70
406A					2.70
407					2.70
407A					2.70
408					3.00
408A					3.00
409					3.00

Discount 50 - 10%

Bonney "CV" Wrenches are stronger than the bolt -

Every Bonney "CV" Engineer Wrench is guaranteed to strip the thread of any standard U. S. S. or S. A. E. nut or break the bolt *before the jaws will spread.*

The great strength of Bonney "CV" Wrenches is made possible through specially heat treated drop forgings of that super steel — *Chrome-Vanadium.* Our "C-V"* wrenches have a factor of strength more than twice that of carbon steel wrenches.

"Short Bite" Will Not Spread Bonney Wrenches

The heads on Bonney "C-V" Engineer Wrenches are pear shaped and forged at an angle. This permits getting it to tight places or where a full hold is impossible. Even full leverage on a "short bite" is guaranteed not to spread a Bonney "CV"*

BONNEY

Chrome-Vanadium

DOUBLE HEAD ENGINEERS' WRENCHES

No.	U.S.S Bolt Size	Hex Head Cap Screw	S.A.E. Standard Screw and Nut	Openings Milled	Extreme Length	Price Nickel finished
1722						
1022						$0.96
1723						.96
1023						.96
1723A						.96
1724						
1024						1.16
1725						1.16
1725A						1.16
1725B						1.16
1025						1.16
1726						1.40
1026						1.40
1727						1.40
1027						1.40
1027C						1.40
1028						1.74
1728						1.74
1028S						1.74
1729						1.74

No.	U.S.S Bolt Size	Hex Head Cap Screw	S.A.E. Standard Screw and Nut	Openings Milled	Extreme Length	Price Nickel finished
1029						
1730						1.74
1030						2.14
1731						2.14
1731A						2.14
1031						2.14
1731B						2.14
1732						2.14
1032						2.64
1732A						2.64
1033A						2.64
1033						2.64
1733						2.64
1033C						2.64
1034						2.64
1734						3.18
1034A						3.18
1035						3.18
1735						3.18

Less 50-10%

BONNEY "CV" WRENCHES

"CV" means Chrome Vanadium

BONNEY WRENCH SETS FOR MASTER MECHANICS

Two valuable wrench sets in substantial Leatherette Rolls. These kits cover the greatest range of usefullness, being selected sizes of the most used wrenches.

BONNEY "CV"* *Chrome Vanadium*

VALVE TAPPET WRENCH SET No. 412

Set No. 412—This set consists of two (2) each Nos. 402, 403, 404 and 405, Bonney *Chrome Vanadium* Valve Tappet Wrenches. This set will take care of the adjustment of Valve Tappets on practically all the well known cars.

BONNEY "CV"* *Chrome Vanadium* **WRENCH SET No. 25**

This set of Wrenches is designed either for the garage mechanic, general machinist, loom fixer or car owner. It contains six wrenches covering a range of openings required for a very large variety of U. S. Standard Nuts, Hex, Cap Wrenches, one each of the following—1723, 1025, 1027C, 1028S, 1731.

For full description of individual sizes, see former pages.

*"CV" is a Bonney Trade Mark Reg. in U. S. Pat. Office

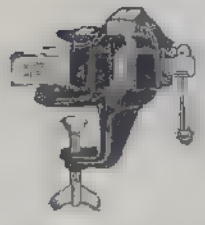
OVAL SLIDE VISES

Cast iron body, painted black; polished crucible tool steel jaws; polished steel screw and sliding lever handle. For strength and durability this vise will be found superior to any of this class.

Nos.	361	362	363	364
Width jaws, ins.	2½	3	3½	4
Jaws open, ins.	3¾	4	4½	4½
Length closed, ins.	11½	13	15	16
Wt each, lbs.	8	14	22	30
Each	$6 30	6 90	8 55	13 20

Packed loose.

MACHINISTS' VISES



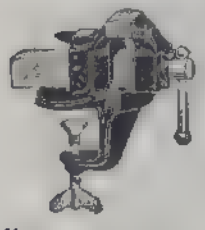
JERSEY—With anvil; cast iron body japanned brown, with polished slide, jaws and anvil face, polished steel screw and sliding lever handle.

Clamps To Bench.

Plain jaws.

Nos.	741	742	743	744	745	746
(Old Nos.)	741J	742J	743J	744J	745J	746J
Width of jaws, ins.	1½	1¾	2	2½	2½	3
Jaws open, ins.	2⅜	2⅛	2⅝	2¾	3	3⅜
Length over all, ins	5⅝	5⅝	5¾	6⅛	7 1/16	8⅝
Wt each, lbs.	3	3¼	3½	4	5	8¾
Each	$3 60	4 50	4 80	5 70	6 75	10 50

One in box.



JERSEY—With anvil; cast iron body, japanned brown, with polished slide, jaws and anvil face, polished steel screw and sliding lever handle.

Clamps To Bench.

Steel faced jaws.

Nos.	761	763	765	766
(Old Nos.)	761J	763J	765J	766J
Width of jaws, ins.	1½	2	2½	3
Jaws open, ins.	2⅜	2⅝	3	3⅜
Length over all, ins.	5⅝	5¾	7 1/16	8⅝
Wt each, lbs.	3	3½	5	8¾
Each	$4 50	6 00	7 95	11 70

One in box.

JERSEY—With anvil; cast iron body, japanned brown, with polished slide, jaws and anvil face, polished steel screw and sliding lever handle.

Clamps To Bench, Swivel Base.

Steel faced jaws.

Nos.	773	775	776
(Old Nos.)	773J	775J	776J
Width of jaws, ins.	2	2½	3
Jaws open, ins.	2⅝	3	3⅜
Length over all, ins.	5¾	7 1/16	8⅝
Wt each, lbs.	3½	5½	9½
Each	$6 00	8 70	12 00

One in box.

MACHINISTS' VISES

BONNEY STANDARD VISE ASSORTMENT

Jaws are of best grade gray iron and the main and thumb screws are cast semi-steel with cut threads. The head and collar is of a single piece with the main screw and will not wear out or pull off. Finished in black enamel baked on, with polished screws, jaws and anvils.

The stand is of cast iron, japanned, with hardwood shelves.

The following are Nos. and dimensions of vises contained in this assortment.

Vise Nos.	00	01	02	02½
Size jaws, ins.	1	1½	2	2½
Wt each, lbs.	1	1½	2¼	4

Per Ass't

No. 10BA—Consists of 17 vises: 6 No. 00, 6 No. 01, 3 No. 02 and 2 No. 02½, complete with display stand. $31 50

One ass't in case; wt per ass't 40 lbs.

YANKEE, cast iron body and jaw, bright finish; dull black finish base. The adjusting screw is of steel, ½ inch diameter with ¾ inch head to receive sliding bar. A removeable swivel jaw is furnished to hold taper work, and is made of steel, case hardened. So constructed as when adjusting vise, the body slides instead of the rear jaw. Has a swivel base. Fitted with a lever, which by one turn, rigidly fastens the vise, and by another turn, again releases it. Countersunk holes are provided for screwing vise to bench.

Patent Swivel Base.

Nos.	1991	1992	1993
Size body, ins.	3⅝x1¾	4⅛x2	7¼x2¾
Extreme height, ins.	3⅛	4⅛	5¾
Diam base, ins.	2½	3¼	4½
Depth jaws, ins.	⅞	1⅛	1⅜
Jaws open, ins.	1½	1 15/16	3⅛
Wt each, lbs.	2½	5½	18½
Each	$9 00	13 80	22 50

Nos 1991 and 1992, one in cardboard box; No. 1993, one in fibre box.

YANKEE

Cast iron body and sliding jaw, bright finish, accurately machined to hold work square when used either flat or on sides.

The sliding jaw slides in a V-shaped groove, insuring parallel movement. The adjusting screw is of steel, ½ inch diameter with ¾ inch head. A removable swivel jaw is provided to hold taper work, and is made of steel, case hardened.

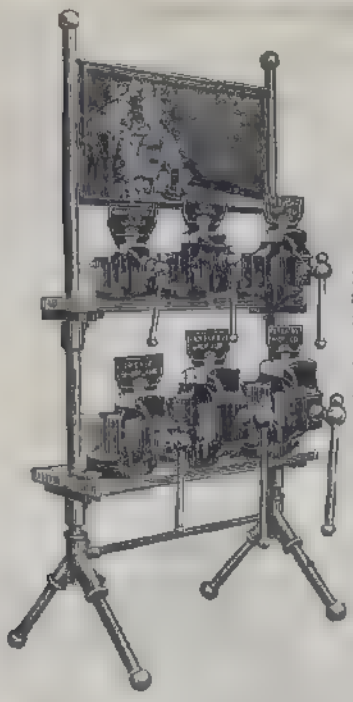
Two countersunk holes are provided in base to screw vise to bench.

Stationary Base.

Nos.	990	93
Size body, ins.	6x2⅜	79x2¾
Extreme height, ins.	2	3
Depth of jaws, ins.	1⅜	1⅞
Jaws open, ins.	3	3⅛
Wt each, lbs.	3¾	9
Each	$7 50	15 75

One in box.

MACHINISTS' VISES



PRENTISS VISE ASSORTMENTS

Castings made from a mixture of grey iron and steel, polished steel screw and sliding lever handle. Nos. 160 and 161 furnished with center bolt, nut and washer for fastening to bench can be used as stationary or swivel bottom vise. Nos. 50 and 52 have stationary base. Nos. 90 and 92 have swivel bottom, adjustable to any desired angle.

Each

No. 6—Assortment consists of one each of the following: Nos. 50, 52, 90, 92, 161, 162 and one display stand furnished, no charge $145 50

Vises packed in bbl; wt per asst 178 lbs; stands crated; wt each 65 lbs.

WOOD WORKERS' VISES

BULL DOG

Castings made from a mixture of grey iron and steel, japanned with polished slide and steel faced jaws, polished steel screw and sliding lever handle. Each

No. 59—Width jaws 4½ ins; jaws open 9 ins; lgth. over all 19½ ins $38 25

Packed loose; wt each 45 lbs.

PRENTISS

Stationary Base, Swivel Jaw.

Castings made from a mixture of grey iron and steel, japanned with polished slide and steel faced jaws; polished steel screw and sliding lever handle. Rear jaw is self adjusting but may be made stationary by inserting pin, marked "A". Each

No. 10P—Width jaws 4½ ins; jaws open 9½ ins; length over all 23 ins $57 75

Packed loose; wt each 59 lbs.

KEYSTONE

Cast iron body, japanned, with polished tempered steel smooth face jaws. Polished sliding lever handle.

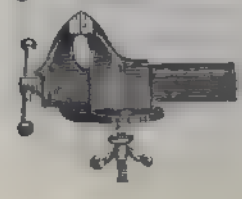
Stationary Base.

Each

No. M—Width jaws 4 ins; jaws open 6 ins; length over all 19 ins $22 50

Packed loose; wt each 35 lbs.

KEYSTONE
Swivel Base.



Each

No. MM—Width jaws 4 ins; jaws open 6 ins; length over all 15½ ins $27 00

Packed loose; wt each 36 lbs.

WOOD WORKERS' VISES

SHEPARD, With Anvil.

Casting made from a mixture of grey iron and steel, japanned, with polished slide and steel faced jaws. Polished steel screw and sliding lever handle.

Stationary Base.

Nos.	168	68
Width jaws, ins	8½	4½
Jaws open, ins	7	9
Length over all, ins	18	20
Wt each, lbs	33	42
Each	$23 25	28 50

Packed loose.

Patent Swivel Base.

The swivel base is most convenient; a slight movement of the lever allows the vise to turn where it is rigidly fastened by another turn of the lever. Each

No. 69—Width jaws 4½ ins; jaws open 9 ins; length over all 20 ins $31 80

Packed loose; wt each 46 lbs.

ABERNATHY

A rapid acting or continuous screw vise. A quarter turn to the left permits the sliding jaw to move either backward or forward instantly. Made of the very best quality of gray iron castings, well machined and finished; cold drawn steel slides; extra smooth and accurately milled steel screw; phosphor bronze hobbed nut, of more than usual length, insuring strength and long wear.

Nos.	70	80
Width jaws, ins	7	10
Depth jaws, ins	4	4
Jaws open, ins	9	12
Length over all, ins	20	28
Wt each, lbs	26	35
Each	$18 75	23 25

Packed loose.

With Adjustable Dog.

Nos.	700	800
Width jaws, ins	7	10
Depth jaws, ins	4	4
Jaws open, ins	9	12
Length over all, ins	20	28
Wt each, lbs	26	35
Each	$19 80	24 00

Packed loose.

Japanned cast iron body, polished tool steel screw and sliding lever handle. Has screw holes in each jaw for fastening on wooden jaw. Can be fastened to anything from ⅛ to 2¼ inches thick. Each

No. 555 Lgth. jaws 4½ ins; jaws open 3¼ ins; ht. 5 ins $8 25

One in carton; wt each 4 lbs.

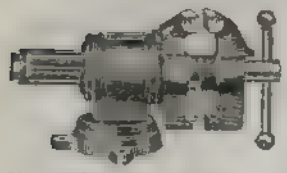
SOLID BOX VISES

Forged steel body, jaws and hinge plate. Japanned finish, malleable iron bench plate, malleable box. Japanned polished steel screw and sliding lever handle. Steel spring between jaws.

Nos.	735	750	770	800
Wt each, lbs	35	50	70	100
Width of jaws, ins	3¾	4½	5¼	6
Jaws open, ins	3¾	4½	5¼	6
Each	15 00	18 00	23 25	34 50
	$10 00	11 50	15 00	22 00

Packed loose.

MACHINISTS' VISES



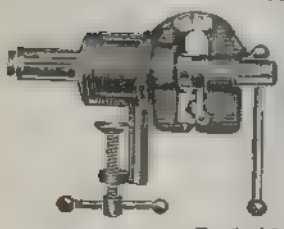
NUTYP
Swivel Base.

Cast iron body, japanned; polished slide; steel corrugated jaws; lower jaws intended for pipe work. Swivel base, can be made stationary by tightening clamp on side.

Each

No. 603—Size upper jaws 1x3 ins; lower jaws 1½x2 ins; jaws open 3⅝ ins; length over all 16 ins..... $45 00

Packed loose; wt each 41 lbs.



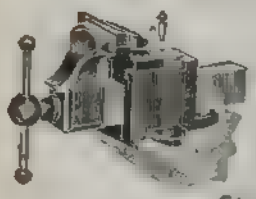
NUTYP
Stationary.

Cast iron body, japanned; polished slide; steel corrugated upper jaws; lower jaws intended for pipe work.

Each

No. 503—Size upper jaws 1x3 ins; lower jaws 1½x2 ins; jaws open 8 ins; length over all 16 ins.. $45 00

Packed loose; wt each 36 lbs.



PRENTISS

Cast iron body, with polished slide and steel faced jaws, polished steel screw and sliding lever handle. Bar jaw is self adjusting but may be made stationary by inserting pin marked "A".

Stationary Base.

Nos.	2	2½	3	4	5
Old Nos	962	962½	963	964	965
Width jaws, ins	3½	4	4½	5¼	6
Jaws open, ins	4¾	5¼	6	8	9
Lgth. over all, ins	15	17½	19	24	28
Wt each, lbs	28	41	54	96	146
Each	$37 50	44 25	51 00	81 00	+114 00

Packed loose.

PRENTISS, cast iron body, japanned with polished slide and steel faced jaws, polished steel screw and sliding lever handle. Bar jaw is self-adjusting but may be made stationary by inserting pin marked "A".

Swivel Base.

Nos.	19	19½	20	21	22
Old Nos.	619	619½	620	621	622
Width jaws, ins	3½	4	4½	5¼	6
Jaws open, ins	4¾	5¼	6	8	9
Length over all, ins	15	17½	19	24	28
Wt each, lbs	32	46	65	109	168
Each	$46 50	55 50	65 25	103 50	+142 50

Packed loose.

KEYSTONE, cast iron, japanned, with polished tempered checkered faced steel jaws. Polished sliding lever handle.

Nos.	B	C	D	F	G
Width jaws, ins	2¼	2½	3	3½	4
Jaws open, ins	3	4	4	5	6
Length over all, ins	8½	11¼	11¼	13½	15½
Wt each, lbs	5	10	13	21	31
Each	$8 25	11 55	14 25	17 25	19 50

Packed loose.

+F. O. B. New York Factory Only.

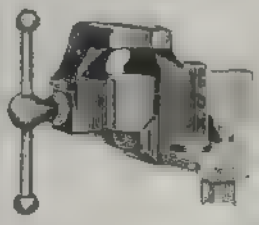
MACHINISTS' VISES

SHEPARD, castings made from a mixture of grey iron and steel, japanned with polished slide and steel faced jaws. Polished steel screw and sliding lever handle. Furnished with center bolt, nut and washer for fastening to bench, can be used as stationary or swivel bottom vise.

Stationary or Swivel Base.

Nos.	160	161	161½	162	163
Width jaws, ins	2	2½	3	3½	4
Jaws open, ins	2	3	3½	4	6
Lgth. over all, in	8	9½	11½	12¼	15
Wt each, lbs	4	10	12	16	30
Each	$6 75	8 40	10 50	12 00	18 75

Packed loose.

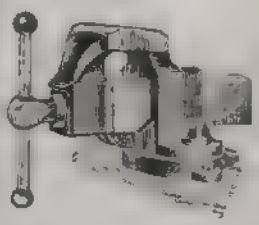


BULL DOG, castings made from a mixture of grey iron and steel, japanned, with polished slide and steel faced jaws, polished steel screw and sliding lever handle.

Stationary Base.

Nos.	50	51	52	53	55	56
Width, jaws, ins	3¼	3⅝	4¼	4⅝	5½	6
Jaws open, ins	4	5½	6	7	9	10
Length over all, ins	13	15	17	19	23	25½
Wt each, lbs	22	28	42	52	100	135
Each	$22 20	25 50	28 50	36 00	67 50	87 00

Packed loose.



BULL DOG, castings made from a mixture of grey iron and steel, japanned, with polished slide and steel faced jaws, polished steel screw and sliding lever handle. Swivel base, adjustable at any angle by raising ratchet pin on side of vise, when vise is in desired position, pin is forced in place by a spring, locking vise in that position.

Swivel Base.

Nos.	90	91	92	93	95	96
Width jaws, ins	3¼	3⅝	4¼	4⅝	5½	6
Jaws open, ins	4	5½	6	7	9	10
Length over all, ins	13	15	17	19	23	25½
Wt each, lbs	28	36	52	64	115	155
Each	$29 25	33 75	37 50	45 00	84 00	115 50

Packed loose.

COMBINATION VISES

MACHINE AND PIPE
PARKER'S

Semi-steel body, painted; with polished slide and steel faced jaws; polished steel screw and lever handle.

Swivel Base.

Nos.	87	88	288½
For pipe, ins	⅛to2	⅛to3	⅛to4
Jaws, ins	3½	4½	5
Jaws open, ins	3	5	6
Length over all, ins	15½	17½	20¼
Wt each, lbs	47	71	118
Each	$42 00	57 00	83 25

Packed loose.

VISE BOXES AND SCREWS

Wrought steel box. Steel screw and sliding lever handle. For solid box vises.

Nos.	1	2	3
For vises, lbs	35 to 50	70	100
Diam screw, ins	1	1¼	1⅜
Diam box, ins	1½	1¾	2
Length over all, ins	6¼	7¾	8¼
Wt each about, lbs	10	14	17
Each	$10 50	12 00	13 50

Packed loose.

PIPE VISES

VULCAN

Wrought steel base plate and adjusting handle, natural finish. Polished steel screw; drop forged steel jaws, tempered for re-filing. Steel link, hand made chain, fits inside of base plate and is adjustable. For use on either bench or post. Each

No. 1—For ⅛ to 2 in. pipe. Has extended tooth, prevents bending of small size pipes, tubes and bars. Size when folded 4x5x6 ins; wt each 4 lbs $9 45

No. 2—For ¼ to 4 in. pipe. Size when folded 6x8x8 ins; wt each about 10 lbs 18 00

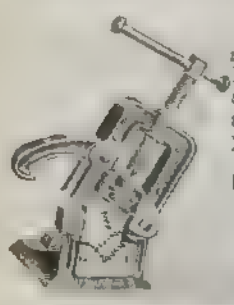
One in box.

Self Locking.

Malleable iron frame and base, japanned; 10 inch natural finish steel sliding handle; polished steel screw. Jaws milled from solid tool steel bar, hardened and tempered in oil; two stationary lower jaws and one movable upper jaw fastened with two steel bolts in each jaw. Hinged joint and self locking; holds pipe rigid when closed and set; having lugs on both uprights, permits latch being used on either side. Each

No. 72P (Old No. 715)—For ¼ to 3½ in. pipe; height over all 13 ins; size base 8x6 ins. $15 75

Packed loose; wt each 15 lbs.



Malleable iron, japanned. Polished steel sliding handle and screw; cut and hardened steel jaws. Holes in base to screw to bench; hinged joint on one side to open vise; self locking, holds pipe rigid when closed and set. Each

No. 70P (Old No. 701)—For ⅛ to 2 in. pipe. Height over all 11 ins; size of base 5x4½ ins. $9 00

Packed loose; wt each about 7½ lbs.

Nos.	71P	73P	64P
(Old Nos.	710	720	730
For pipe, ins	⅛ to 2½	½ to 4¾	⅛ to 6
Height over all, ins	12¾	17½	21
Size base, ins	6x4½	8¼x6	10½x8¼
Wt each, lbs	10	25	49
Each	$10 50	24 00	49 50

Packed loose.

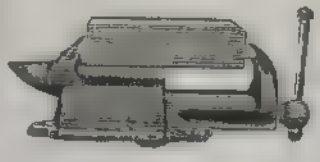
COMBINATION VISES

CHENEY'S

Anvil and Vise, cast iron body, painted green; steel screw and sliding lever handle; hardened steel jaws. Chilled iron anvil, solid steel hardy; adjustable jaw will turn to hold odd shaped articles; jaw may be removed and anvil used in regular manner.

Nos.	820	830	840
Width jaws, ins	3½	4	4½
Jaws open, ins	4	5	6
Face of anvil, ins	3x6½	3½x8	4x8½
Length over all, ins	15	17	18
Average wt, lbs	25	35	50
Each	$25 50	29 25	36 00

One in wood box.



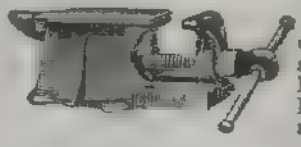
DIAMOND

Anvil and Vise, cast iron body, painted green; blued steel handle and screw. Hardened iron polished faced jaws, small jaw can be set at any position.

Each

No. 850—Size jaws 4x3½ ins; face of anvil 4x7 ins; jaws open 12 ins; holds pipe up to 2 ins; length over all 17 ins $16 50

One in wood box; wt each about 38 lbs.



FARMERS

Anvil, Vise and Pipe Holder cast iron, japanned; steel screw and sliding lever handle, chill hardened jaws, polished. Pipe holding jaws. For mechanics, farmers, household use, etc.

Each

No. 83 Width jaws 3 ins; jaws open 6 ins; holds ¼ to 2 in. pipe, hardened anvil face 8x3 ins; length over all 18 ins $6 75

One in box; wt about 28 lbs.

BORAX

Concentrated; for forge use and welding purposes.

		Per 100 Lbs
Lump	5 lb boxes	$29 25
	100 lb bags	26 25

WELDING COMPOUND

E-2—For iron, malleable iron and all grades of steel.

	Per Lb
5 lb boxes	$0 36
10 lb boxes	33
25 lb boxes	30

Climax—An excellent compound for all grades of steel.

	Per 100 Lbs
5 lb boxes	$31 50
10 lb boxes	31 50
Bulk	27 00

BOYCE MOTO METER

THE NEW MIDGET MODEL

The New Midget Model Boyce Moto Meter has been designed especially for use on small cars. It has a polished nickeled frame and is finished with beveled crystals both front and rear. This instrument, except for its size, is identical with more expensive Boyce Moto Meters for the larger types of car.

	Each
Midget (New Model)	$3.50
Ford Special (with cap)	4.00

JUNIOR

This model appeals strongly to owners of cars of medium size. The frame is heavily nickel plated, and it has the same range of temperature as the Standard and Universal models.

Junior	$3.00

UNIVERSAL

Slightly smaller than the Standard model, finished in all nickel. Beveled crystals add to its appearance. Its handsome open face is more easily read than a clock.

	Each
Universal	$7.50

Stocked with special dials for Dodge, Essex and Overland 4.

STANDARD

A perfect heat recording instrument of the highest type, with extremely broad ribbon-bore thermometer tube. Because of its perfection of workmanship, this model has been selected as regular equipment on America's leading cars.

	Each
*Standard, regular finish	$10.00
Standard, all nickel finish	10.00

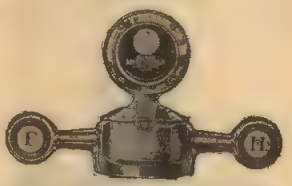
*Stocked with special dials for Overland and Hudson.

DE LUXE

This model is all that the name implies, having been designed for the highest grade passenger cars. Case is silver plated, and the finish of the entire instrument is of the highest quality of workmanship. Equipped with the Schlaich Moto Meter lock, which furnishes absolute protection against theft, not only of the Boyce Moto Meter, but the radiator cap as well.

	Each
De Luxe	$15.00

ARISTOCRAT



Three elements are combined in the Aristocrat model—utility, beauty and protection. A midget model Moto Meter mounted on a handsome bar type locking radiator cap. The complete unit nickel plated throughout and assembled ready for installation. Although assembled with the midget model the hole in the cap is large enough to use the universal model Moto Meter, which can be furnished at a small additional cost.

	Each
Ford Aristocrat	$7.00
For Chevrolet, Gray or Star	7.50
For Overland or Maxwell	7.50

FORD SPECIAL

If every Ford owner knew the value of a Boyce Moto Meter on the Ford car, he would without question install one immediately.

The Special for the Ford consists of a Midget Model Boyce Moto Meter mounted on a handsomely designed locking radiator cap. Complete unit is nickel plated, and offers an article of great utility as well as beauty for the Ford car.

	Each
Ford Special	$4.00

All the above, one in a carton.

LOXRITE RADIATOR CAPS

SPEEDWAY WING AND DE LUXE WING

The Loxrite Radiator Locking Cap is the Aristocrat in beauty and quality, and is made in three distinctive designs. It is a positive locking cap and insures against theft of your moto meter. It takes less than a minute to install on the radiator, and when locked by the special lock plug it is impossible to remove the cap without turning the radiator upside down. The locking pin is protected from contact with water, dirt or dust, and has no chance for rust or corrosion. The Monogram Shield is hinged at the bottom and fitted with snap catch at the top. This catch engages the cap and holds it firmly in place after filling the radiator. The patented Loxrite insert can be easily inserted into the cap making it possible to readily fit any radiator. These inserts are made in two sizes. The large size to fit the Speedway Wing and De Luxe Wing, while the smaller one is made for the Speedway caps. The following emblems can be furnished for both large and small caps: Masonic, Elks, Shriners, Knights of Columbus and Woodmen Large emblems: Durant, Hudson, Dodge, Oldsmobile, Buick, Nash, Cadillac, Reo, Hupmobile, Studebaker, Crysler, Rollin, Jewett and Oakland. Small emblems: Chevrolet, Overland, Star, Gray, Oldsmobile, Studebaker and Dodge.

Model		Wt each	Each
Speedway Wing	Complete with insert	1¼ lbs.	$4.00
De Luxe Wing	Complete with insert	2 lbs.	7.00

The above prices do not include moto meter.

EXTRA INSERTS AND INITIALS

	Each
Speedway Wing Inserts	$1.00
De Luxe Wing Inserts	1.25
Initials	.35

One in a carton.

SPEEDWAY WING AND DE LUXE WING MODELS

LIST SHOWING CARS ALPHABETICALLY WITH THEIR RESPECTIVE INSERT NUMBERS

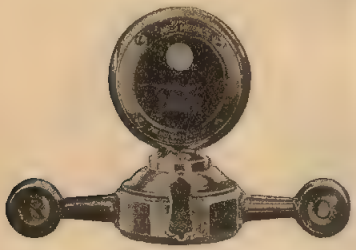
Name of car	Cap No.
Ace	5
Allen	6
Anderson	4
Ambassador	14
American Beauty	2
American '21-'23	12
Apperson	8
Auburn	9
Bay State	5
Barley Six	14
Bour Davis	2
Brewster	6
Buick 4 and 6 to 1923	5
Buick 4, 1924	5
Buick 6, 1924	7
Cadillac	1
Case	17
Chalmers	1
Champion	6
Chandler	18
Chevrolet (except 490)	1
Cleveland	3
Columbia	1
Cole	6
Commonwealth	1
Cortland	5
Crane	6
Crawford 21 and Fiat	2
Crawford '22-'24	4
Crow Elkhart	9
Crysler	13
Cunningham 1921 and earlier	4
Daniels	6
Davis	9
Dodge	3
Dort	1
Du Pont	5
Durant 4	5
Durant 6	1
Dusenberg	13
Elcar	9
Elgin	6
Essex 1923	1
Essex 1924	16
Ferris	3
Fisher	4
Flint	5
Gardner	1
Grant	1
Handley Knight	1
Hanson	4
Hatfield	1
Haynes	4
H C S	6
Hoffman	5
Hudson	1
Hupmobile	15
Jackson	1
Jewett	6
Jordan '22 24	12
Kenworthy	14
Kelsey	1
Kessler	2
King	13
King 1921	3
Kissel	8
Lafayette	1
Leach	6
Lexington, L. & S.	4
Lexington, T. & U.	1
Liberty	4
Lincoln	1
Malbohm	1
Marmon	9
Maxwell	13
Mercer	1
Merit	4
Mitchell	4
Moline Knight	1
Moon	4
McCarthy	9
Nash	5
National	8
Noma	5
Norwalk	1
Oakland	5
Oldsmobile 4 and 8 Cyl.	4
Oldsmobile 6. '24	16
Overland	13
Paige	6
Parenti	2
Patterson	1
Peerless	13
Piedmont	1
Pierce Arrow	4
Pilot 1921	3
Pilot	5
Raleigh	5
Reo	11
Revere	4
Rickenbacker	13
Roamer	14
Rollin	3
Rolls Royce	13
R & V Knight	1
Sayers	2
Scripps-Booth	4
Seneca, '21 and earlier	5
Seneca	3
Simplex	6
Skelton	2
Stanwood	2
Standard	6
Stearns '23-'24	4
Stephens	4
Studebaker	3
Stutz 6 cyl.	4
Stutz 4 cyl.	10
Vogue	9
Washington	2
Wescott	4
White	4
Willys-Knight	13
Will St Claire	1
Winton	4
Yellow Cab	1

SPEEDWAY WING MODELS

Ford ..... Speedway A	Star ..... Speedway B
Gray ..... Speedway A	Overland ..... Speedway C
Chevrolet Superior ..... Speedway B	Maxwell ..... Speedway C
Essex 24 ..... Speedway B	Dodge ..... Speedway D
Oldsmobile 6-24 . Speedway B	Studebaker Light Six ..... Speedway D

SCHLAICH CAP LOCKS

FOR BOYCE MOTO METERS



MODELS A AND B

Models A and B designed especially for the De Luxe Moto Meter. Bore in lid ¾-inch, the size of the De Luxe Moto Meter stem. Universal and Standard model Moto Meter center in the depression in the lid. Model A caps are 3 inches in diameter for cars with small radiator necks. Model B measures 3⅜ inches in diameter and is for cars with large radiator necks.

MODEL XF

The model XF is an exceptionally beautiful cap with cloisonne enameled blue and silver insert plates on arms. Built especially to harmonize with the cloisonne dial of the Standard model Moto Meter. All type F inserts fit this model.

MODEL F

Model F designed especially for the Universal Moto Meter. Bore in lid ⅝-inch, size of Universal or Standard Moto Meter stem. The Midget model Moto Meter centers in the depression of the lid. Both ½-inch and ⅝-inch locking collars are packed in each box. This model cap is used by the Moto Meter Co. on their six models of Aristocrat Boyce Moto Meters.

MODEL E

The Model E Cap is identical in workmanship, size and material with the F model cap except that it has plain balls on the arms. Designed for those who want accuracy and protection for their Moto Meter at a lower cost. All type F inserts fit this model.

PARTS CABINET

The Parts Cabinet contains an ample supply of replacement parts for all minor repairs.

JEWELS

Red or green multi-cut with gold leaf background to reflect rays of approaching cars during the night season.

SERVICE STATION SIGNS

A handsome metal flange sign finished in blue, buff and gray. Furnishes a direct tie-up with the service station.

All caps are priced complete with inserts, initials or emblems, but do not include Moto Meter. All A inserts are interchangeable in A caps, B inserts in B caps, F inserts in F caps, but are not otherwise interchangeable.

Model	Each
A and B	$6.00
XF	6.00
F	4.00
E	3.50
Extra Inserts	.50
	Per pair
Jewels	$0.50

All the above, one in a carton.

SCHLAICH CAP LOCKS

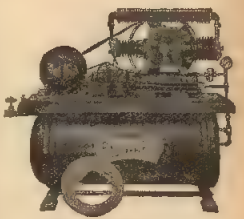
ALPHABETICAL LIST OF CAR SPECIFICATIONS

Make, Model and Year	Insert No.
Apperson (1917 and earlier)	B4, F4
Apperson (1918-1925)	B16
Auburn (1923 and earlier)	F1, A1
Auburn (1924-5)	B8
Bethlehem Truck	F30
Bethlehem Truck K. N. One Ton	B4
Buick (1917 and earlier)	B13
Buick 4 (1918-24)	A1, F1
Buick 6 (1918-23)	A1, F1
Buick "Master" Six	B31
Buick Standard Six	F1, A1
Buick 6 (1924)	B31
Cadillac	B3
Case (1913-15)	B4, F4
Case (1916-17)	B20
Case (1918 and later)	A9
Chalmers (1922-5)	B3
Chalmers (1921 and earlier)	B4, F4
Champion	B5, F5
Chandler (early '22 and earlier)	B5, F5
Chandler (late 1922)	A2, F2
Chandler (1923-25)	B5, F5
Chevrolet Superior	F11
Chevrolet (early models)	A10
Chevrolet F. B. (1922)	A3A, F3A
Chrysler	A18, F18
Cleveland	A2, F2
Cole (1916 and earlier)	A2, F2
Cole (1917-25)	B5, F5
Columbia (1921)	B3
Crane Simplex	B5, F5
Cunningham (1921 and earlier)	B4, F4
Cunningham	V4, A7
Cunningham (1922-25)	B21
Daniels (1921-25)	B5, F5
Davis (1920 and earlier)	B4, F4
Davis (1921-23)	B8
Davis (1923-25)	B5, F5
Diamond T	B3
Dodge	A2, F2
Dorris	B27
Dort	B3
Duesenberg	A18, F18
Dupont (1923 and earlier)	B13
Dupont (1924-25)	F1, A1
Durant (4 cyl)	F1, A1
Durant (6 cyl.)	B3
Earl	A12
Elcar (1922)	A7
Elcar (1923-25)	B8
Elgin 6	B5, F5
Elgin Capable	B8
Essex (1918 23)	A3A, F3A
Essex (1924-25)	F11
Ferris	A2, F2
Fiat	F32
Flint	B3
Ford	F
Gardner	B3
Garford Truck (1925)	B3
Grant	B3
Gray	F30
Handley Knight	B3
Haynes	B4, F4
H. C. S. (1923 and earlier)	B4, F4
H. C. S. (1924-25)	B3
Hudson (1923 and earlier)	A3A, F3A
Hudson (1924-25)	B3
Hupmobile (1917 and earlier)	B6
Hupmobile (1918-25)	A12
Jewett	F5
Jordan (1918-21)	B4, F4
Jordan (1922-25)	A25
King (1918)	B4, F4
King (1919-21)	A2, F2
King (1922-25)	A18, F18
Kissel (early models)	A7
Kissel (custom built)	B16
Lafayette	B3
Leach	B5, F5
Lexington T & U	B3
Lexington (1921-23)	B4, F4
Lexington (1924)	B28
Lexington (1925)	B3
Liberty (10-A, B, C)	B27
Liberty (other models)	B4, F4
Lincoln	B3
Locomobile	B19
McFarlan (1921 and earlier)	B5, F5
McFarlan (1922-23)	B21
McFarlan (1924-25)	B33
Marmon (1919 and earlier)	F1, A1
Marmon (1920)	B6
Marmon (1921-25)	B8
Maxwell	A18, F18
Mercer	B3
Mitchell	B4, F4
Moon	B4, F4
Nash	F1, A1
National (1917 and earlier)	B4, F4
National (1918-25)	B16
Oakland (1916)	B26
Oakland (1917-25)	F1, A1
Ogren	B23
Oldsmobile 3 (1922 and earlier)	F4
Oldsmobile 8 (1923-25)	A3A, F3A
Oldsmobile 4 & 6 (1918-23)	A3A, F3A
Oldsmobile 6 (1924-25)	F11
Overland (1922-25)	A18, F18
Paige	B5, F5
Peerless (1922 and earlier)	B3
Peerless (1923-25)	A18, F18
Pierce Arrow (1917-25)	B4, F4
Pierce Arrow (early models)	B5, F5
Reo	A10
Revere	B4, F4
Rickenbacker	A18, F18
Roamer	B17
Rollin	A2, F2
Rolls Royce	A18, F18
Standard 8 (1920 and earlier)	B4, F4
Standard 8 (1921 and later)	B5, F5
Stanley (1922 and earlier)	B6
Stanley (1923-25)	F1, A1
Star (1923)	F11A
Star (1924-25)	F11
Stearns (4 cyl. 1921)	F1, A1
Stearns Knight (4 cyl. 1918-19)	B5, F5
Stearns Knight (1920-21)	B6
Stearns Knight (6 cyl.)	B4, F4
Stevens Duryea (early models)	B5, F5
Stevens Duryea (1922-25)	B21
Stephens	B4, F4
Studebaker	A2, F2
Stutz (old model)	B4, F4
Stutz (1918-25)	B14
Templar (1925)	B3
Templar (1921 and earlier)	B4, F4
Templar (1922-24)	B6
Velie 48-58	B20
Velie (1925)	B3
Westcott (1921 and earlier)	B4, F4
White	B4, F4
Wills St. Claire	B3
Willys Knight (early models)	B26
Willys Knight (1923-25)	A18, F18
Winton 6	B4, F4
Yellow Cab	B3

AIR COMPRESSORS

BRUNNER

MODELS 939, 949 AND 969 ASSEMBLED UNITS



MODELS 939, 949 AND 969

The Brunner two-stage outfit is built with the safest and most expensive tank—drawn seamless steel that will endure for years without developing annoying leaks or deteriorating to the point of becoming a public menace. The entire assembly follows engineering soundness as typified by the use of such a tank. The unit at any reasonable speed or any pressure is silent, free from vibration, and runs smoothly without rattle or the familiar thump-thump of common two-stage outfits.

The Brunner Model 939 is the fastest-working ¾-H.P. unit built. Pressure in the 32-gallon tank rises from zero to 175 lbs. in less than 25 minutes. A pressure rise of 25 lbs. is a matter of five minutes or less. The answer is not excessive speed; it is astonishing efficiency produced by dual valves, large intercooler and snugly fitted, polished pistons No other machine approaches this air delivery with equal motor.

The drip tank, holding the moisture discharged by the unloader, helps to keep these machines clean and attractive.

Equally good proportional results are had with the larger models 949 and 969. The first of these mounts the same compressor, but with 1-H.P. motor and with 45-gallon seamless steel air tank. The No. 969 also uses the same compressor and 1-H.P. motor, with a 65 gallon seamless steel tank Pressure rise is produced in about equal time by all three units, as the compressor is proportionately speeded to tank-size in each case. It is obvious that the smaller unit has the longer life, but the larger assemblies, running at higher speed, are, nevertheless, in great favor with oil stations and other busy establishments. Long life seems not vital when parts are so quickly and cheaply replaced.

The outfits are completely equipped, as illustrated.

TABLE OF SPECIFICATIONS

	Model 939	Model 949	Model 969
Horsepower	¾	1	1
Capacity	3 cubic feet per minute	4 cubic feet per minute	4½ cubic feet per minute
Tank size	32 gallons	45 gallons	65 gallons
Weight	625 lbs.	660 lbs.	755 lbs.
Height	40¼ inches	45⅛ inches	45⅛ inches
Floor space	19½ inches by 45⅛ inches	24 inches by 45⅛ inches	24 inches by 60 inches
Shipping weight	600 lbs.	744 lbs.	920 lbs.
Boxed for export	30 cubic feet	43 cubic feet	57 cubic feet

Model 939

Model	Each
939, with 1-phase A.C., 110-220 volt, 60-cycle motor	$370.00
939, with 110-volt direct current motor	372.00
939, with 220-volt direct current motor	372.00
939, with 32-volt direct current motor	372.00

Other motor equipment specially quoted.

Model 949

Model	Each
949, with 1-phase A.C., 110-220 volt, 60-cycle motor	$410.00
949, with 110-volt direct current motor	412.00
949, with 220-volt direct current motor	412.00

Other motor equipment quoted on request.

Model 969

Model	Each
969, with 1-phase A.C., 110-220 volt, 60-cycle motor	$440.00
969, with 110-volt direct current motor	442.00
969, with 220-volt direct current motor	442.00

Motors of other types at relative prices.

MODEL 965 ASSEMBLED UNIT

MODEL 965

Owners and users of this assembly have the satisfaction of possessing the first successful unit of its kind ever built and sold successfully. Other heavy duty assemblies have failed for the reason that vibration has loosened the joints and led to the early destruction of a costly machine. The Brunner Model 965 is free from vibration, the No. 105 Compressor being of balanced load type, with all running surfaces ground and polished. The operation of this giant type outfit is as smooth and silent as an eight-cylinder motor. Nevertheless, Brunner practice of grinding all fitted joints is carried out, locked cap screws are used to clinch the power plant on the saddles, and the heavy seamless tank is clamped in place with four heavy iron straps. Years of constant operation will not affect the rigid stability of this rugged and reliable outfit.

Model 965 has ample capacity for the largest and busiest filling station, even handling three or four air-driven gasoline pumps. Pneumatic truck tires are quickly inflated from the large tank. No degree of air demand will find it unready or inadequate.

While space is not wasted, and whole assembly is very compact, the entire unit is not small. The top of the compressor reaches 48½ inches from the floor. Length over all is 65 inches and extreme width is 22 inches. The weight, 775 lbs., is too great for overhead location. Shipping weight is 970 lbs. Crated for export, gross volume is 57 cubic feet.

Model	Each
965, with 1-phase A.C., 110-220 volt, 60-cycle motor	$560.00
965, with 2 or 3 phase A.C., 220-440 volt, 25 cycle motor	560.00
965, with 220-volt direct current motor	615.00

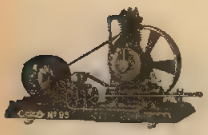
Other motors are supplied at special prices

All above, one in a crate.

AIR COMPRESSORS

BRUNNER

MODEL 95 POWER PLANT



MODEL 95

A powerful and rugged assembly incorporating the heavy duty No. 105 with 1½-H.P. motor, automatic unloader-controller, and the unique Brunner adjustable belt tightener. Designed for heavy service and for high pressure, this model will find ready favor among air users who haven't floor room for a complete unit with tank. In such cases a 65 or 80-gallon tank may be suspended from the ceiling or otherwise installed out of the way, to be charged from the No. 95 automatic power plant. Of generous capacity and adapted to high pressure, it is suited to pneumatic truck tire inflation, or will easily handle the air demands of the busiest oil station

The automatic controller may be adjusted to any pressure up to 200 lbs. The unloader works simultaneously with the controller, permitting the motor to start "no load," saving current and protecting the motor The exclusive Brunner drip tank receives the unloaded discharge A heavy endless belt of oak-tanned leather is furnished and is quickly adjusted to proper tension and correct alignment by the latest design Brunner belt-tightener.

Pulley ratios provide a compressor speed of 290 R P M , giving a capacity of 5 cubic feet of free air per minute. At this speed prompt air service is ever available and the machine will endure for years without repair or loss of efficiency.

Model 95 weighs 335 lbs , is 25½ in. high and 45½ in by 19 in on the floor Equipment is complete, as illustrated.

Shipping weight, 425 lbs. Packed for export, 17⅛ cubic feet.

Model	Each
95, with 1-phase A.C., 110-220 volt, 60-cycle motor	$420.00
95, with 2 or 3-phase A.C., 220-440 volt, 60-cycle motor	395.00
95, with 220-volt direct current motor	475.00

Other motors are special and are quoted on request.

MODEL 11 COMPRESSOR

MODEL 11

To name the uses and virtues of this popular type would be to recite the endless uses of air in garages and machine shops Of large capacity and of rugged strength, Model 11 is a popular choice and the price is very low Single cylinder design requires greater power than the same load distributed over two smaller cylinders, and long life is not to be expected in the same degree as with the divided load compressor. Nevertheless, the purchaser of the Model 11 is usually pleased to spend the power and sacrifice durability to enjoy the advantage of large capacity with low purchase cost.

Compressors of similar type are found in a dozen or more makes, but only the Brunner has ground finishes, low head clearance, removable brass valves hammered rings and other Brunner features already described.

The price at which this machine is sold does not permit the use of the special high grade cylinder iron nor quite the close manufacturing limits incorporated in the other Brunner models, but the volume in which this machine is manufactured and the use of labor-saving machinery to the widest extent makes this the biggest bargain in the air compressor field.

Used with tanks up to 80-gallon size, at any pressure up to 200 lbs., and at speed of 300 R.P.M. to 450 R P M , the Model 11 supplies ample air for tire inflation in large garages, for paint spraying, for driving small pneumatic tools, and for a variety of industrial purposes Motor of 3-H P is adequate to get maximum results. Vibration is reduced by using a heavy-rimmed flywheel driving pulley.

This compressor stands 22 in. high, covers 14 in. by 18 in. floor space and weighs 120 lbs. Outlet is tapped for ½-in. iron pipe. The pulleys supplied are 2¼ in. wide.

Shipping weight, 160 lbs. Boxed for export, 6 cubic feet.

Model	Each
11, with 14-in. flywheel-pulley	$48.00
11, with 14-in. tight and loose pulleys	53.00

Note: As a vacuum pump, Model 11 is particularly adapted to milking machines, gasoline dispensers and similar uses

MODEL 102

MODEL 102 COMPRESSOR

Thousands of well pleased owners give evidence that this has been always the standard compressor of the garage field. Its capacity and unfailing performance make it the perfect equipment for the average automotive establishment. Its air delivery is rapid, its power requirement low, its oil consumption meager, and its enduring efficiency a source of year after year air profit.

Model 102 is the best that can be had, combining every resource of Brunner equipment and care. Only the busiest hose lines or a large shop will require a larger machine. A motor of ½-H.P.' to 1-H.P. will drive it at normal speed up to 200 lbs. pressure, and it should be used with a tank of 50-gallon or less capacity. At 350-R.P.M. it will raise the pressure from zero to 150 lbs. in a 32-gallon tank in 25 minutes.

Height, 13 in.; floor space, 6½ in. by 10 in. Net weight, 50 lbs. Lubrication, splash system. Outlet tapped for ¼-in. iron pipe. Adjustable safety valves in each cylinder. Pulley width, 2 in.

Shipping weight, 70 lbs. Boxed for export, 1.4 cubic feet.

Model	Each
102, without pulleys	$55.00
102, with 3-in. tight and loose pulleys (furnished unless otherwise specified)	61.00
102, with 14-in. tight pulley	59.00
102, with 14-in. tight and loose pulleys	65.00
For vacuum service, common intake fitting, extra	3.50

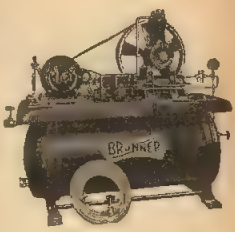
If sub-base, as shown in illustration, is not desired, deduct $4.50 from list price.

All above, one in a crate.

COMPRESSORS

BRUNNER

MODEL 932 ASSEMBLED UNIT



MODEL 932

Today this machine meets all the requirements of the average automotive establishment. A garage operating pneumatic shop tools will require greater air capacity An oil station with air operated gasoline pumps must have a heavier machine. The No. 932 does, however, satisfy the air needs of the vast majority of dealers. The wide popularity of this type is well founded, but this Brunner unit is rapidly replacing cheaper machines of like appearance and rating.

The No. 92 power plant, described on a preceding page, is securely bolted and locked to matched, solid arch saddles held in position with lateral braces. A double-tested Brunner tank, guaranteed for a working air pressure of 175 lbs to the square inch, is suspended in the saddles and secured in place with strong metal straps. This unit operates without vibration or noise, will not develop loose joints, and is good for twenty years of daily operation.

This machine is largely self-operating, incorporating a remarkable unloader controller which maintains desired tank pressure and at the same time relieves the motor of starting load A Brunner doubly adjustable belt tightener is a feature The valves are of Brunner own make including the patented, non-pounding check valve. Pipe threading is full and clean, with brass fittings In fact, every assembly feature of this splendid outfit is in keeping with the high Brunner standard which is so familiar to the general trade.

Note the demountable drip tank, an exclusive Brunner feature.

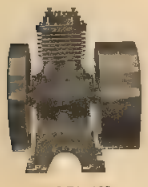
Dimensions: Height, 40 in.; floor space, 18 in. by 45½ in. Outlet for ¼-in. iron pipe.

Net weight, 440 lbs. Shipping weight, 535 lbs. Boxed for export, 29 cubic feet.

Model	Each
932, with 1-phase A.C., 110-220 volt, 60-cycle motor	$325.00
932, with 110 volt direct current motor	325.00
932, with 220-volt direct current motor	325.00
932, with 32-volt direct current motor	330.00

Motors not listed are specially quoted on application.

MODEL 105 COMPRESSOR


MODEL 105

Strictly speaking, any compressor for higher pressures and above 5 cubic feet capacity should be water cooled but many operators object to the necessity of looking after water supply and for those users Brunner builds Model 105 a large, heavy and very rugged air cooled compressor This model is large in every dimension, with long bearings, heavy forged crankshaft and a high factor of strength in every part. Being of balanced load type, however, and having all running surfaces ground and polished, this excellent model turns freely and is easily operated by a 1½-H.P. motor.

Machine and repair shops favor the Model 105 using it with tank sizes up to 80 gallons capacity, and carrying pressures of 175 lbs to 200 lbs At a normal speed of 350 R. P. M. to 450 R. P. M., it will handle a large tank quickly.

A number of industrial uses have been found for this compressor. Fire alarm whistles use it generally Builders of huge gas engines employ it for air starting. It figures in many cleaning installations The range of its usefulness seems unlimited No 105 shares a popular field with No 11 but this two-cylinder type consumes less power and has far greater life.

Some mechanical features deserve mention Safety valves are built into each cylinder, while both intake and outlet valves are large diameter steel mushroom type in brass cages Connecting rods are forged steel with S.A.E. white metal split bearings. Main bearings are extra long, of special bronze alloy and are ingeniously oiled. Oil gauge and filler are on exposed area of crankcase. In every detail, the No. 105 is typical of Brunner excellence.

Dimensions Height, 22½ inches, floor space, 16x18 inches over double pulleys and flywheel. Outlet for ½-inch iron pipe. Pulley width, 2½ inches.

Net weight, complete, 184 lbs Shipping weight, 235 lbs Boxed for export, 8¾ cubic feet

Model	Each
105, without Pulleys or Flywheel	$100.00
105, with Flywheel, no Pulleys	112.00
105, with Flywheel and Tight and Loose Pulleys	125.00

(Unless otherwise ordered, the latter equipment is supplied.)

One in a crate.

BRUNNER SEAMLESS STEEL AIR TANKS

175 lbs. Working Air Pressure; Tested to 350 lbs.

Too often the weakest and most troublesome part of a compressor outfit is the tank Leakage is annoying failures are dangerous, and frequent replacement is costly To secure a tank that avoids all three objections has been a severe problem, but the Brunner Seamless Drawn Steel Air Tank has perfectly answered every requirement This style used exclusively on Brunner units, is more costly than other types of air tanks, but these seamless tanks cannot leak, they are safe, and their life is far greater than welded or riveted tanks.

The shell of this type of tank is drawn cold from a single sheet of heavy steel The steel is thoroughly annealed between each drawing operation to eliminate internal stresses in the material This method of manufacture not only produces a tank without longitudinal seams in the shell, but the drawing operation increases the homogeneity of the metal and also increases its strength. The thickness of the shell is figured with a factor of safety of five times the working pressure

The concave bottoms are of approved design and are of course figured with the same factor of safety as the shells. They are inserted into the shell, which is crimped over the edge of the bottom and brazed This construction not only makes a tremendously strong tank but absolutely guards against leakage so commonly found in ordinary riveted or brazed tanks.

The working air pressure of Brunner Seamless Steel Air Tanks is 175 lbs to the square inch with a factor of safety of five, and all tanks are tested to double the working pressure This does not mean that they are recommended for use at pressures above the working pressure, this factor of safety and double test is used as a safeguard.

Cap. gals.	Cap., cu. ft.	Dimensions	Approx wt.	Each
15	2	12x30 in.	54 lbs.	$26.50
32	4.3	16x40 in.	115 lbs.	43.00
45	6	18x43 in.	155 lbs.	58.00

SPECIFICATIONS FOR BELT DRIVEN GARAGE OUTFITS

BRUNNER

To assist the purchaser in specifying the items for an entirely complete outfit with the exception of the iron piping, we list the three following garage outfits which are recommended for garages housing 15 cars or more

The compressors listed in the following outfits give the most popular pulley equipment. The purchaser can vary the pulley equipment and size of tank to best suit his individual requirements and there will be a decrease or increase in the cost of the entire outfit depending upon the pulley equipment and tank selected This can readily be figured from the list prices of the compressors and tanks.

BELT DRIVEN GARAGE OUTFIT No. 1

For garages housing up to 50 cars and large vulcanizing shops.

	Each
1—No. 102 Belt Driven Compressor, 9-inch Tight and Loose Pulleys	$61.00
1—45 Gal. 18x43-inch Seamless Steel Tank (for 175 lbs. working pressure)	58.00
1—Model "B" Air Gauge	3.00
1—No. 70 Horizontal Check Valve, ¼-inch	3.75
1—No. 73 Safety Valve for Air Tank	2.50
1—No. 83—¼-inch Needle Valve	2.25
1—No. 83—⅜-inch Needle Valve	2.25
1—No. 82 —⅜-inch Needle Valve with Swivel Hose Connection	2.25
2—Specially Ground Brass Unions, ¼ and ⅜-inch	1.25
1—Automatic Tire Connection	1.70
1—25 ft. Drop Line, ¼-inch "Resistoil" Air Hose	7.00
Complete Outfit	$144.95

BELT DRIVEN GARAGE OUTFIT No. 110

For garages and service stations housing 50 to 75 cars

	Each
1—No. 13 Belt Driven Compressor, 14-inch Tight and Loose Pulleys	$ 53.00
1—65 Gal. 18x60-inch Seamless Air Tank (for 200 lbs. working pressure)	90.00
1—Model "B" Air Gauge	3.00
1—No. 70 Horizontal Check Valve, ¼-inch	5.00
1—No. 73 Safety Valve for Air Tank	2.50
1—No. 83—⅜-inch Needle Valve	2.25
1—No. 84—½-inch Needle Valve	3.25
1—No. 82—⅜-inch Needle Valve with Swivel Hose Connection	2.25
2—Specially Ground Brass Unions, ⅛-inch and ⅜-inch	1.70
1—Automatic Tire Connection	1.70
1 -25 ft. Drop Line, ¼-inch "Resistoil" Air Hose	7.00
Complete Outfit	$171.65

BELT DRIVEN GARAGE OUTFIT No. 165

For garages and service stations housing 60 to 90 cars.

	Each
1—No. 105 Belt Driven Compressor, 16-inch Tight and Loose Pulleys and Fly Wheel	$125.00
1—65 Gal. 18x60-inch Seamless Air Tank (for 200 lbs. working pressure)	90.00
1—Model "B" Air Gauge	3.00
1—No. 70 Horizontal Check Valve, ¼-inch	5.00
1—No. 73 Safety Valve for Air Tank	2.50
1—No. 83—⅜-inch Needle Valve	2.25
1—No. 84—½-inch Needle Valve	3.25
1—No. 82—⅜-inch Needle Valve with Swivel Hose Connection	2.25
2—Specially Ground Brass Unions, ⅛-inch and ⅜-inch	1.70
1—Automatic Tire Connection	1.70
1—25 ft. Drop Line, ¼-inch "Resistoil" Air Hose	7.00
Complete Outfit	$248.65

COST OF OPERATION

The cost of operating Brunner Compressors of the more popular sizes has been carefully compiled; the following table gives absolutely true figures, allowing for current at 10c per kilowatt hour.

Model 932—$.064 per hour steady operation; .0006 per cu. ft. of air actually delivered.
Model 939—$ 083 per hour steady operation. .0007 per cu ft of air actually delivered.

In usual service a compressor will run about one hour per day. This allows for automatic controller to function six times. The above figures might therefore be considered the daily cost of Brunner units.

FLOW OF AIR THROUGH AN ORIFICE

This table is devised and verified to give flow of air through round orifice into the atmosphere. The figures given are confined to actual conditions that might involve a Brunner installation The answer in any case represents flow of free air in cubic feet per minute.

Diam of orifice	5 lbs.	10 lbs.	20 lbs.	30 lbs.	40 lbs.	50 lbs.	60 lbs.	70 lbs.	80 lbs.
1/16 in	.0597	.0842	.119	.156	.19	.225	.26	.295	.33
⅛ in	.242	.342	.485	.632	.77	.914	1.05	1.19	1.33
3/16 in	965	1.36	1.93	2.52	2 07	3.64	4.2	4.76	5.32
¼ in	3.86	5.45	7.7	10.	12.27	14.50	16.8	19.	21.2

1847 ROGERS BROS.

AMBASSADOR PATTERN

Grey Finish

Tea Spoon

Six in Box. Prices per Dozen

	Tea Spoons	$8 40
	Dessert Spoons	16 40
	Table Spoons	17 00
	Soup Spoons	17 00
Dessert Fork	Dinner Forks, Ster	1 00
Flat Handle	Dessert Forks, Ster	16 80
	Bouillon Spoons, ster	8 00

Hollow Handles, Neatly Satin Silver Soldered to Finest Nickel. Prices per Dozen

Dinner Knives, Stainless Blades	$30 80	Dessert Knives, Stainless Blades	$24 40
Dinner Knives, Plated Blades	27 60	Dessert Knives, Plated Blades	21 00
Breakfast Knives, Stainless French Blades	24 80	Dinner Forks	27 60
Breakfast Knives, Plated Blades	21 40	Dessert Forks	21 00

Solid Handle. No. 62. Six in Packed Box. Prices per Dozen

Soup Spoon

Dinner Knives, Stainless French Blades	$17.20	Dinner Forks	$1. 60
Dinner Knives, Plated Blades	11 60	Dessert Forks	90
Dessert Knives, Plated Blades	$11. 20		

Dessert Knife
Hollow Handle

Modeled Handles, No. [illegible]. Six in Packed Box. Prices per Dozen

Dinner Knives, Stainless Blades	$21 00	Dinner Knives, Plated Blades	$14 40
Dessert Knives, Plated Blades	$ 4 00		

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INTERNATIONAL SILVER CO.

John V. Farwell Company
CHICAGO

1847 ROGERS BROS.

AMBASSADOR PATTERN

Illustrations One-third Scale

Fancy pieces in velvet lined Gift Boxes without extra charge

Cold Meat Fork
Large
Each $2.34

Salad Forks, individual
Set of six, $8.80

Gravy Ladle
Each, $2.70

Cream Ladle
Each, $2.08

Oyster Ladle
Each, $6.34

Medium Ladle
Each, $8.34

Butter Spreaders
Set of six, $7.20

Berry Spoon
Large
Each, $3.60

Pie or Ice Cream
Server, hollow handle
Each, $5.74

Iced Tea Spoons
Set of six, $5.00

Pickle Fork
Short
Each $1.56

Olive Spoon
Each, $2.00

Butter Knife and
Sugar Shell
Per set, $3.34

Sugar Shell
Each $1.56

Butter Knife
hollow handle
Each, $1.78

Dessert Server
Each, $5.00

INTERNATIONAL SILVER CO.

John V. Farwell Company
CHICAGO

1847 ROGERS BROS.

AMBASSADOR PATTERN

Illustrations One-half Scale

Fancy pieces in velvet lined Gift Boxes without extra charge

Cold Meat Fork (small)
Each, $1.50

Oyster Forks
Set of six, $3.60

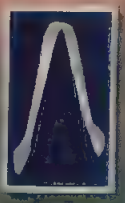
Child's Set, 3 pieces, Embossed Solid Handle Knife
Per set, $3.34

Child's Set, 3 pieces
Per set, $3.60

Child's Set, 3 pieces, Nickel Silver, Silver Soldered, Hollow Handle Knife
Per set, $4.40

Coffee Spoons
Set of six, $4.25

Berry Spoon
Small
Each $3.10



Sugar Tongs
Each, $2.16

Baby Spoon
short handle
Each, $1.20

Cheese Server
Narrow Handle
Each, $3.14

Cucumber or Tomato Server
Each, $3.60

Jelly Knife
Each, $2.00

Ice Cream Forks
Set of six, $6.75

Orange or Grape Fruit Spoons
Set of six, $6.00

INTERNATIONAL SILVER CO.

John V. Farwell Company
CHICAGO

1847 ROGERS BROS.

AMBASSADOR PATTERN

Trade-mark Guarantee Seal

Furnished in Velvet-lined Gift Boxes without extra charge

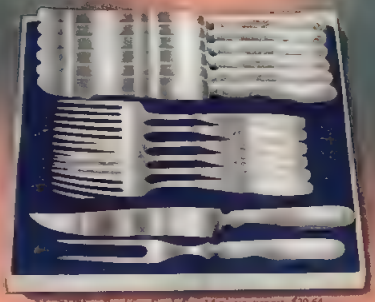
No. 844376 Game Set, 2 pieces, Stainless Blade, per set $ 5.60
No. 84437 Above Steel Blade, Per set, $11.40
No. 844386 Carving Set, 2 pieces, Stainless Blade, per set, $ 5.00
No. 84438 Above Steel Blade, Per set, $ 8.80
Nickel Silver Spoon Soldered to Steel Handles

Baby Spoon and Fork, short handle, per set, $2.40

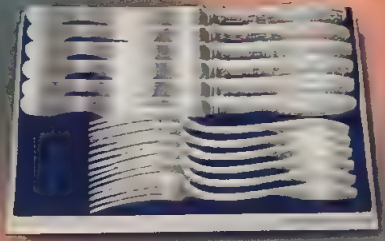
Baby Spoon, Long handle and Fork, Silver Plate, Per set, $ 4.

No. 84481x Six each No. 62 Dinner Knives, Stainless Blades, [illegible] per set, $14.40
No. 84482 Above Plated Blades, per set, $ 8.70
No. 84483 Six each No. 62 Dinner Knives, Stainless Blades, and Five Tea Knives, per set, $ 8.70
No. 84484 Above Plated Blades, per set, $13.80

No. 84439x Pair of Steak Knives, Stainless Blades, [illegible] per set, $ 5.60
No. 84440 Above Steel Blade, Per set, $ 8.80
No. 84441 Pair of Steak Knives, Stainless Blades, [illegible] per set, $ 5.60
No. 84442 Above Steel Blade, Per set, $ 8.80
Nickel Silver Soldered Hollow Handles
No. 84493 Carving Set, Stainless Blades, 2 pieces, Per set, $ 5.00
Embossed Sterling Silver Ferrules and Lines



No. 84481x Breakfast Steak Set, 14 pieces, per set, $20.64
Six [illegible] Knives, Stainless Blades, No. 8
One Carving Knife, Steel Blade,
One Steak Fork, Stainless Blades,
No. 84421x Above with Five Dinner Knives, per set, $23.34



No. 84421x Six each Hollow Handle Dinner Knives, Stainless Blades, [illegible] per set, $ 9.
No. 84422 Above Plated Blades, per set, $ 5.
No. 84423 Dessert Knives, [illegible] per set, $ 7.
No. 84424 Above Plated Blades, per set, $ 4.
No. 84435x Six each Hollow Handle Tea Knives, Stainless Blades, [illegible] per set, $ 7.
No. 84436 Above Plated Blades, per set, $ 4.
No. 84437x Six each Hollow Handle Fruit Knives, Stainless Blades, [illegible] per set, $ 8.
No. 84438 Above Plated Blades, per set, $ 4.

INTERNATIONAL SILVER CO.

John V. Farwell Company
CHICAGO

1847 ROGERS BROS.

ANCESTRAL PATTERN

Grey Finish

Six in Box, Prices per Dozen

	Tea Spoons	$8.50
	Dessert Spoons	16.40
	Table Spoons	17.00
	Soup Spoons	17.00
	Dinner Forks, flat	17.00
Dessert Knife Hollow Handle	Dessert Forks, flat	16.40
	Bouillon Spoons, six in blue velvet lined box, per set of six	8.00

Dessert Fork Flat Handle

Hollow Handle. Nickel Silver Silver Soldered. Six in Flannel Roll, Prices per Dozen

Dinner Knives, Stainless French Blades	$30.00
Dinner Knives, Plated Blades	27.60
Dessert Knives, Stainless Blades	29.40
Dessert Knives, Plated Blades	27.00
Dinner Forks	27.60
Dessert Forks	27.00

Solid Handles, No. 65 Six Pieces in Box, Prices per Dozen

Dinner Knives, Stainless French Blades	$27.00
Dinner Knives, Plated Blades	14.60
Dessert Knives, Plated Blades	14.20

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INTERNATIONAL SILVER CO.

John V Farwell Company
CHICAGO

1847 ROGERS BROS.

ANCESTRAL PATTERN

Illustrations One-third Size

Fancy pieces in velvet lined Gift Boxes without extra charge

Cold Meat Fork
Large
Each, $2.34

Sugar Shell
Each, $1.56

Butter Knife and
Sugar Shell
Per set $3.34

Butter Knife
bent handle
Each $1.78

Cucumber
or Tomato Server
Each, $5.76

Berry Spoon
Large
Each $3.60

Salad Fork, individual
Set of six, $8.60

Orange or Grape Fruit Spoon,
Set of six $6.00

Gravy Ladle
Each $2.70
Cream Ladle
Each $2.08
Medium Ladle
Each, $8.34

INTERNATIONAL SILVER CO.

John V. Farwell Company
CHICAGO

1847 ROGERS BROS.

ANCESTRAL PATTERN

Assortment One and Seven
Fancy pieces in velvet lined Gift Boxes without extra charge

Butter Spreaders
Set of six $7.20

Baby Spoon
bent handle
Each, $1.20

Icing Knife
Each, $2.00

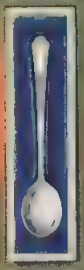
Baby Spoon
short handle
Each $1.20

Cotter Spoons
Set of six $4.25

Baby Spoon and Fork
to match handle
Per set, $2.40

Baby Spoon bent handle
and Food Pusher
Per set $2.40

Ice Cream Forks
Set of six $6.00



Olive Spoon
Each $2.00

Pie or Pastry Forks
Set of six, $8.80

Picnic Fork
Short
Each, $1.66

Oyster Forks
Set of six $5.60

INTERNATIONAL SILVER CO.

John V. Farwell Company
CHICAGO

1847 ROGERS BROS.

ANCESTRAL PATTERN

Full Size. One-half Size
Latest pieces in velvet lined Gift Boxes without extra charge

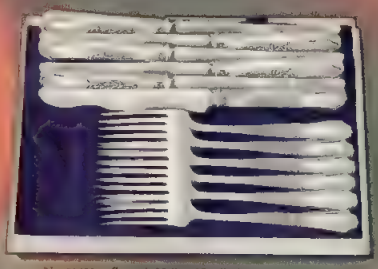
Pie or Ice Cream Server, hollow handle
Each, $5.75

Berry Spoon
Small
Each, $3.70

Iced Tea Spoons
Set of six, $7.50

Cold Meat Fork
Small
Each, $4.90

No. 86439s
Bird or Steak Set, 2 pieces
Per set, $10.00
No. 86438s
Bird or Steak Set, 3 pieces
Per set, $14.00
No. 86447s
Game Set, 2 pieces
Per set, $15.00
No. 86456s
Carving Set, 2 pieces
Per set, $20.00
Nickel Silver Silver Soldered, Hollow Handles
Stainless Blades



No. 86421s Six each Hollow Handle Dinner Knives, Stainless Blades, and Flat Dinner Forks, per set, $23.50

No. 86421 Above Plated Blades, per set, $33.30

No. 86427s Six each Hollow Handle Dessert Knives, Stainless Blades, and Flat Dessert Forks, per set, $16.50

No. 86432 Above Plated Blades, per set, $24.50

No. 86425s Six each Hollow Handle Dinner Knives, Stainless Blades, and Flat Dessert Forks, per set, $23.20

No. 86425 Above Plated Blades, per set, $22.00

No. 86483s Six each No. 65 Dinner Knives, Stainless Blades, and Flat Dinner Forks, per set, $[illegible].10

No. 86483 Above Plated Blades, per set, $14.30

No. 86484s Six each No. 65 Dessert Knives, Plated Blades, and Flat Dessert Forks, per set, $[illegible].80

INTERNATIONAL SILVER CO.

John V. Farwell Company
CHICAGO

1847 ROGERS BROS.

ANNIVERSARY PATTERN

Dessert Knife Hollow Handle

Dessert Fork Flat Handle

Tea Spoon

Soup Spoon

Six in Box, Prices per Dozen

Tea Spoons	$8.50
Dessert Spoons	16.40
Table Spoons	17.00
Soup Spoons	17.00
Dinner Forks, flat	17.00
Dessert Forks, flat	16.40
Bouillon Spoons, six in blue velvet lined box, per set of six	8.00

Hollow Handles, Nickel Silver, Silver Soldered, Six in Flannel Roll, Prices per Dozen

Dinner Knives, Stainless French Blades	$30.00	Dessert Knives, Stainless Blades	$29 40
Dinner Knives, Plated Blades	27.60	Dessert Knives, Plated Blades	27 60
Breakfast Knives, Stainless French Blades	29 80	Dinner Forks	27 60
Breakfast Knives, Plated Blades	27.40	Dessert Forks	27 00

Solid Handles, No. 64, Six in Racked Box, Prices per Dozen

Dinner Knives, Stainless French Blades	$17.20	Dinner Forks	$11 60
Dinner Knives, Plated Blades	11.60	Dessert Forks	11 20
Dessert Knives, Plated Blades	$11.20		

INTERNATIONAL SILVER CO.

John V. Farwell Company
CHICAGO

1847 ROGERS BROS.

ANNIVERSARY PATTERN

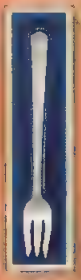
Illustrations One-third Scale

Fancy pieces in velvet lined Gift Boxes within a extra charge

Cold Meat Fork
Large
Each, $2 34

Butter Spreaders
Set of six, $7 20

Olive Spoon
Each, $2 00



Pickle Fork
Short
Each, $1 66

Butter Knife and Sugar Shell
Per set, $3 34

Sugar Shell
Each, $1.56

Butter Knife, bent handle
Each, $1 78

Berry Spoon
Large
Each $3 60

Pie or Ice Cream
Server, hollow handle
Each $3 74

Oyster Forks
Set of six $5 60

Child's Set, 3 pieces, with Nickel
Silver, Silver Soldered, Hollow
Handle Knife
Per set $4 40

Child's Set 3 pieces with
Embossed Solid Handle Knife
Per set, $3 34

Child's Set, 3 pieces
Per set $3 60

Salad Forks, individual
Set of six, $8.80

Dessert Server
Each $5 00

INTERNATIONAL SILVER CO.

John V. Farwell Company
CHICAGO

1847 ROGERS BROS.

ANNIVERSARY PATTERN

Illustrations One-third Scale

Fancy pieces in velvet lined Gift Boxes without extra charge

Roast Meat Fork
Small
Each, $1 90

Cucumber
or Tomato Server
Each $3 76

Coffee Spoons
Set of six $4 20

Gravy Ladle
Each $2 76

Cream Ladle
Each $2 08

Medium Ladle
Each $3 31

Berry Spoon
Small
Each, $3 10

Baby Spoon
short handle
Each $1 20

Sugar Tongs
Each, $2 16

Iced Tea Spoons
Set of six, $7 00

Jelly Knife
Each, $2 00

Cheese Server
hollow handle
Each $3 24

Ice Cream Forks
Set of six $6 75

Orange or Grape Fruit Spoons
Set of six $6 00

INTERNATIONAL SILVER CO.

1847 ROGERS BROS.

ANNIVERSARY PATTERN

Illustrations One-third Size

Fancy pieces [illegible] Boxes will not carry charge

No. 85437s Game Set, 2 pieces
Stainless [illegible]
No. 85437 Above Set
Blade, per set, $4.40
No. [illegible] Carving Set
Stainless Blade, per set, $7.60
No. 85436 Above, Steel Blade, per set, $18.80

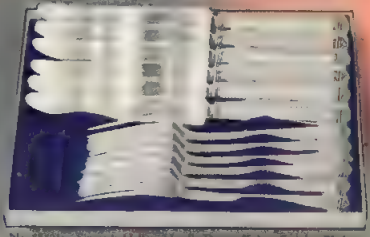
Baby Spoon and Fork, per set, $2.40

Bon Spoon, pierced handle, and Food Pusher, per set, $2.40

No. 85481s Six [illegible] No. 64 Dinner Knives, Stainless Blades, [illegible]
No. 85482 Above [illegible] per set, $11.60
No. 85482 Dessert Pieces Blades [illegible] per set, $7.60
No. 85484s Six [illegible] No. 64 Dinner Knives, Stainless Blades and [illegible] per set, $7.60
No. 85485 Above Dessert Pieces, per set, $4.80
No. 85484 Dessert, Plated Blades, per set, $13.80

No. 85435s Bread or Steak Set, 2 pieces
Stainless Blade [illegible]
No. 85430 Above Size, Place
Set, per set, $5.00
No. 85435 Bread or Steak Set, 2 pieces
Stainless Blade, per set, $3.40
No. 85430 Above Size, Blade
Per set, $2.00
No. [illegible] Silver-Soldered,
Hollow Handles

No. 85421s Breakfast Steak Set, 14 pieces, per set, $26.60
Six No. [illegible] Dinner Knives, Stainless Blades, Six No. [illegible] Dessert Knives, Stainless Blades, One Steak Set with Stainless Hollow Handles
No. 85442s Above with Plated Dessert Knives, per set, $[illegible]



No. 85421s Six each Hollow Handle Dinner Knives, Stainless Blades
[illegible] per set
No. 85[illegible] Above Dinner Blades, per set, $[illegible]
Six [illegible] Steel Blades, per set, $12.00
No. [illegible] Above Dessert Blades, per set, $[illegible]
No. 85421 Six each Dessert Knives, Stainless Blades and [illegible] Dessert Knives, per set, $12
No. 85442 Above with Plated Blades, per set, $[illegible]
No. 85421s Six each Dessert Knives, Stainless Blades, Six [illegible] Dessert Knives, Plated Blades
[illegible] per set, $[illegible]

INTERNATIONAL SILVER CO.

A Leader Cane Department

One Dozen in a Bundle — No Less

N1500 N1509 N1513

No. N1500. Imported Jap Canes, nice appearance, thoroughly finished, enameled Jap stock, bent crook handle. These are heavy sticks and should not be compared with the light weight goods now on the market. Very serviceable and very popular seller. 100 in a bundle. No less sold. Per 100 ..... 1.20

No. N1509. Red, White and Blue Canes. Round shape wood heads. Heads are not fastened on canes but come in separate bag. A very popular cane, substantially built. 100 in a bundle. No less sold. Per 100 ..... 2.85

No. N1513. Cane, maple stick, black finish, with enameled red ball top. Per dozen ..... .45

N1519 N1523 N1529 N1534

No. N1519. Cane, maple stick, black finish, with black enameled barrel top. Per dozen ..... .45

No. N1523. Cane, maple stick, black finish, knob shape turned head, enameled in red and purple assorted. Per dozen ..... .45

No. N1529. Cane, maple stick, black finish, machine turned top, with ridges enameled, in colors, assorted purple and red. Per dozen ..... .45

No. N1534. Cane, maple stick, in assorted bright colors, with ridged carved head top enameled in purple and red, assorted. Per dozen ..... .50

N1547 Assorted N1633 N1710

No. N1547. Canes, fancy turned wooden heads enameled in ivory and bright colors assorted, good maple sticks. Mahogany finish.

Per dozen ..... .55

No. N1533. Cane, maple sticks, in assorted colors with enameled ball top, mottled in variegated colors.

Per dozen ..... .60

No. N1710. Patriotic Cane, hardwood stick, medium weight, cherry finish, lustre black finished head with red, white and blue celluloid flag top.

Per dozen ..... Out

N1563 N1572 N1560 N1565

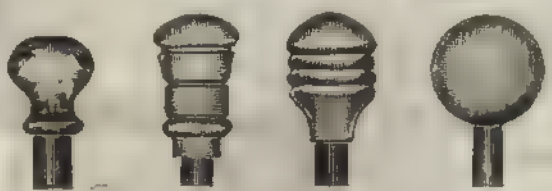
No. N1563. Cane, maple stick, assorted colors, white metal eagle claw top, silver finished, nickel ferrule. Per dozen ..... .80

No. N1572. Cane, maple stick, in purple, maroon etc., assorted, polished white metal bridled horse head top, nickel ferrule. Per dozen ..... .80

No. N1560. Cane, maple stick, finished in purple, maroon, etc., assorted, white metal head, woodpecker design, nickel ferrule. Per dozen ..... .80

No. N1565. Cane, maple stick, in purple, maroon etc. assorted, white metal oblong shape embossed design head, silver finished nickel ferrule.

Per dozen ..... .



N1526 N1697 N1696 N1698

No. N1526. Cane, maple stick, black finish, fancy turned head, finished in enameled imitation mottled celluloid. Per dozen ..... .55

No. N1697. Cane, fancy turned head, gilt finish, maple stick; assorted colors.

Per dozen ..... .58

No. N1696. Cane, good maple stick, with fancy ridged carved gilt finish head top. Per dozen ..... .55

No. N1698. Cane, good maple stick, gilt finish with ball shape top. Per dozen ..... .55

N1558 Assorted N1552 N1584

No. N1558. Cane, maple stick, finished in purple, maroon, etc., assorted, with metal heads, silver finish assorted, eagle elephant and rabbit, nickel ferrule.

Per dozen ..... .85

No. N1552. Cane, maple stick, finished in assorted colors, large size white metal dog head, silver finish, nickel ferrule. Per dozen ..... .85

No. N1584. Cane, maple stick, mahogany finish, in purple, maroon, etc., assorted, polished white metal top, large eagle claw design, nickel ferrule.

Per dozen ..... .85

Popular Canes at Lowest Prices

One Dozen in Bundle. No Less Sold

N1578

N1576

N1582

No. N1578. Cane, maple stick, assorted colors, silver finish, white metal heads, corrugated design, nickel ferrule. Per dozen ..... .85

No. N1576. Cane, maple stick, mahogany finish, in purple, maroon, etc., assorted, polished white metal animal heads bulldog, hound dog, etc., nickel ferrule. Per dozen ..... .85

No. N1582. Cane, maple stick, mahogany finish, in purple, maroon, etc., assorted, polished white metal square bent horsehoof and ankle design, nickel ferrule. Per dozen..... .85

N1557

N1561

N1553

No. N1557. Cane, maple stick, purple, maroon etc., assorted, round head, enameled in purple and red, nickel ferrule. Per dozen .90

No. N1561. Cane, maple stick, finished in purple maroon, etc., assorted with white metal booted lady's leg top, nickel ferrule. Per doz .90

No. N1553. Cane, maple stick, in assorted colors fancy pressed design white metal head, silver brass band, ferrule. Per dozen ..... .90

N1580

N1581

N1613

No. N1580. Cane, maple stick, mahogany finish, in purple, maroon, etc., assorted, polished white metal head, horsehoof and ankle design, nickel ferrule Per dozen ..... .90

No. N1581. Cane, maple stick, mahogany finish in assorted colors, nickel polished white metal head embossed in fancy floral design with heavy stem embossed to match, nickel ferrule Per dozen ..... .90

No. N1613. Cane, heavy maple stick, mahogany finish in purple, maroon etc., assorted, with fancy embossed design metal head, brass polished, nickel ferrule. Per dozen ..... .90

N1612

N1611

N1579

No. N1612. Cane, maple stick, mahogany finish, purple, maroon, etc., with machine turned head, enameled in colors, assorted, nickel ferrule. Per dozen ..... .90

No. N1611. Cane, maple stick, mahogany finish, purple, maroon, etc., with machine turned carved head, fancy design in assorted colors, nickel ferrule. Per dozen..... .90

No. N1579. Cane, maple stick, in purple, maroon, etc, assorted alligator embossed, silver finish, white metal ball top, nickel ferrule. Per dozen..... .90

N1623

N1588

N1574

No. N1623. Cane, maple stick, mahogany finish, in purple, maroon, etc., assorted, royal bronze color, highly finished horsehead top, nickel ferrule, Per dozen ..... .90

No. N1588. Cane, maple stick, mahogany finish, in purple, maroon, etc., assorted, polished white metal, extra size, bent handle, booted lady leg design, nickel ferrule. Per dozen..... .95

No. N1574. Cane, maple stick, mahogany finish, in purple, maroon, etc, assorted, round head of polished white metal, fancy embossed floral design, nickel ferrule. Per dozen..... .95

N1575

N1596

N1618

No. N1575. Cane, maple stick, mahogany finish, purple, maroon, etc., assorted, polished white metal head, embossed basket pattern, nickel ferrule Per dozen ..... .95

No. N1596. Golf Cane, select maple sticks, enameled in oak grain, golf club shape head of white metal, nickel plated and polished, nickel ferrule. A cane that is popular. Per dozen..... .95

No. N1618. Cane, maple stick, mahogany finish, in purple maroon, etc., assorted polished and nickeled, white, metal, large size parrot head top, nickel ferrule. Per dozen..... 1.00

Big Leaders in Attractive Style Canes

One Dozen in Bundle—No Less Sold

N1620

N1639

N1630

No. N1620. Cane, maple stick, mahogany finish, in purple maroon etc assorted polished and nickeled white metal large size chicken claw handle holding a ball, nickel ferrule Per dozen.. **1.00**

No. N1639. Cane, heavy maple stick, mahogany finish in maroon purple etc, assorted, 1½ in white metal heads made in the shape of a dice set on one corner. Per dozen **1.00**

No. N1630. Cane, heavy maple stick, mahogany finish in purple maroon, etc, assorted extra large gilt and silver finished, white metal handle twisted design, nickel ferrule. **Per dozen..... 1.05**

N1619

N1622

N1638

No. N1619. Cane, maple stick, mahogany finish, in purple maroon etc assorted silver finish white metal large size camel head, nickel ferrule

Per dozen 1.10

No. N1622. Cane, maple stick, mahogany finish in purple, maroon, etc, assorted, gilt finish, highly ferrule Per dozen **1.10**

No N1638. Cane, heavy maple stick, mahogany finish, in purple maroon, etc, assorted gilt and silver finished metal head made in exact shape of rugby football a very fine embellished cane for any rugby football team nickel ferrule

Per dozen 1.10

N1628

N1633

No. N1628. Cane, extra heavy maple stick, mahogany finish in purple, maroon, etc, assorted gilt and silver, polished white metal, extra large horse head bent handle nickel ferrule. Per dozen . . **1.20**

No. N1633. Cane, heavy maple stick, luster black finish, 3 in white metal head gilt and silver finish top embossed with art portrait, nickel ferrule.

Per dozen . . **1.20**

N1635

N1614

N1643

No. N1635. Cane, select maple stick, luster finish in black etc, large size top knob of white metal, fancy design with fancy embossed art figure in end, gilt and silver finish nickel ferrule

Per dozen **1.25**

No. N1614. Cane, extra heavy maple stick in purple, maroon etc large size metal elephant head finished gilt and silver, assorted This is one of the most popular sellers. **Per dozen..... 1.30**

No. N1643. Cane, heavy maple stick mahogany finish, black maroon, etc white metal head in gilt and silver finish, nice embossed patterns, very neat

Per dozen 1.30

N1637

N1640

N1641

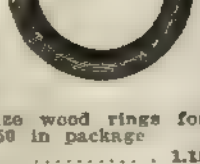
No. N1637. Cane, heavy maple stick, mahogany finish, in purple, maroon, etc, assorted, metal head gilt and silver finished raised, embossed in various figures rings cars of grain, etc nickel ferrule

Per dozen 1.35

No. N1640. Cane, heavy maple stick, mahogany finish in purple maroon, etc, assorted heavy turned handle, embossed imitation hot rail heads all over in raised effect, nickel ferrule. **Per dozen.... 1.35**

No. N1641. Cane. heavy maple stick, mahogany finish purple, maroon etc, assorted, nickeled white metal head, fancy embossed shield, a new style, nickeled ferrule Per dozen **1.40**

Wood Cane Rings



Wood Cane Rings, extra heavy weight, best ring ever made for this purpose; 50 of one size in package.

No. N1722. 1⅝ inches inside. Per 100 ..... **1.15**

No. N1723. 1¾ inches inside. Per 100..... **1.15**

No. N1731. "Half Dollar" size wood rings for knife racks, peg games, etc. 50 in package

Per 100 ..... **1.15**

CANE RACKS

Our Cane Racks are made of Strong Twisted Fish Cord, bound with heavy canvas all around, with finished loops in each corner, supplied with brass eyelets, ready to set up.

No. N1680.	Size 4x5 feet.	Each.....	
No. N1681.	Size 5x5 feet.	Each	**1.75**
No. N1682.	Size 6x6 feet.	Each	**2.25**
No. N1684.	Size 7x7 feet.	Each .. .	**2.70**

Cane Assortments

Cane Assortment, good maple sticks, China heads, gilded trim, assorted colors. Three assorted designed heads to the dozen. One dozen in bundle.
No. 16N62. Per dozen..... .60

Cane Assortment, Maple Sticks. China heads in bulldog and brown glove finish. Assorted heads such as Monkey, Negro Head, Bull Dog Lady's heads, etc., to the dozen.
No. 16N51. Per dozen..... .70

Cane Assortment From The Factory

We own and have operated for years our own cane factory. Others may give you the same number of canes at the same price, but have you compared the quality?

PRICES ON CANE ASSORTMENTS DO NOT INCLUDE NETS, CANE RACKS OR RINGS.

5.00 Cane Assortment

An excellent assortment, consists of 100 canes, in large variety of metal wood and China heads, assorted colors and variety of sticks.
No. 16N85. Per assortment..... 5.00

10.00 Cane Assortment

This lot is an ideal selection of popular goods, a big variety of half dozens in assorted colors. Engraved metal wood and china heads. Assortment consists of 175 canes. More high priced canes than in the 75.00 assortment.
No. 16N86. Per assortment of 175 canes..... 10.00

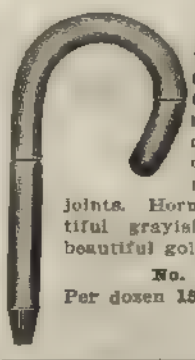
15.00 Cane Assortment

Favorite Cane Assortment. It contains a generous sprinkling of the better quality canes. In it you find a large variety of half dozens, fancy mottled, assorted colors, metal wood and china heads. This assortment is very attractive and will insure a large crowd. Consists of 250 canes.
No. 16N87. Per assortment of 250 canes..... 15.00

25.00 Cane Assortment

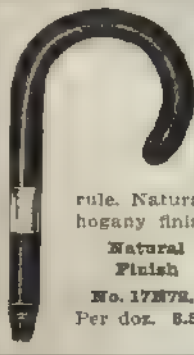
Our 25 Dollar Cane Assortment. This is the best representative assortment of canes ever shown. Consists of 400 canes in many styles, finely polished maple and fancy mottled sticks. Variety of metal, wood and china heads. A high class assortment containing many of our highest priced canes.
No. 16N88. Per assortment of 400 canes..... 25.00

Gentlemen's Fine Walking Canes



Imported Wood Very Fine Cane, Handsome Grain, very highly polished crook handle cane carved to represent joints. Horn ferrule. Beautiful grayish brown with beautiful golden grain.

No. 16N79.
Per dozen 15.00 | Each 1.35



Gentleman's Walking Stick, made of fine grain hard wood. Fancy shape and steam bent crook handles. Steel ferrule. Natural or brown mahogany finish.

Natural Finish	Brown Mahogany Finish
No. 17N72.	**No. 16N93.**
Per doz. 8.50	Per doz. 8.50

Very Fine Imported Cane. Beautiful gray grain shot through with flecks of gold. Very hard and heavy wood, resembling closely partridge wood. Wonderfully polished. A cane that will please the most fastidious.

No. 17N56.
Per dozen 15.00 | Each 1.35

Novelty Liquor Cane. The latest novelty in canes made of wood 36½ in. long with metal screw and ferrule. Unscrewing head shows concealed glass liquor container 11¾ in. long. The container will hold a generous amount of any liquid.
No. 16N74. Per dozen..... 12.00 | Each 1.10

GRAND DOLL ASSORTMENT

Assembled especially for use at Churches, Fairs, Bazaars, Carnivals.

The fanciest and largest Mamma Dolls on the market. Are with guaranteed Reisor Voices, assortment as follows, in crepe satin and paper plume dresses, packed in a total of 48 dolls as follows:

18-Inch Mamma Dolls, beautifully dressed Mamma Dolls with real Hair and Composition Legs.

30 assorted, fancy dressed so-called Kewpie Style Unbreakable, composition 10 in carnival dolls. Four different kinds of dresses.

Every doll in individual box. The entire assortment packed ready for shipment in wooden box.

No. 34N44. Per assortment of 48 dolls..... **47.50**

Low Priced Carnival Dolls

SHEBA DOLL

A Real live item for the carnival trade. Composition doll with bright color effect decoration. Flapper curls of hair, on forehead and over ears. Comes with ostrich feather plumes in assorted colors. Doll with plume is about 20 inches high. Packed 50 dolls in barrel, plumes for dolls packed in separate corrugated carton. Weight of barrels 110 lbs. Weight of carton 10 lbs. Sold in barrel lots only.

No. 34N2.
Per barrel (50 dolls)..... 20.00

THESE Dolls are carefully packed in barrels, and are in perfect condition when shipped. We are not responsible for breakage in transit.

CHINESE DOLLS

Two beautiful dolls in attractive Oriental colored costumes. One doll holds fan in hands, while the other holds small bowl. These dolls are sure to catch the eye of the passer-by and offer a quick turn-over for any booth operator. A Shure-Winner at a very low cost. Dolls measure 13½ inches high, and are made of a plaster composition. Packed 48 dolls assorted in barrel. Weight of barrel 130 lbs. Sold in barrel lots only.

No. 34N1.
Per barrel (48 dolls)... 14.40

BASHFUL BABY

A good low priced number is the bashful baby doll. Composition construction. Graceful pose with hands against cheek. Long wavy hair with tinsel bandeau. Lifelike features. Ostrich plumes in assorted colors with tinsel decorations. Doll with plumes about 20 inches high. Packed 50 dolls in barrel, plumes for dolls packed in separate corrugated carton. Weight of barrel 85 lbs. Weight of carton 10 lbs. Sold in barrel lots only.

No. 34N3.
Per barrel (50 dolls)..... 20.00

CALIFORNIA DOLL

At the low price quoted, this doll is without question the best value on the market for the money. Made of plaster composition with full body finished in flesh tints. Arms are movable and can be put in any position. Beautiful, long, wavy hair, with head band of sparkling tinsel. Extra quality plume, decorated with tinsel. Height of doll with plume 20 inches. Packed 50 dolls in barrel. Plumes for dolls packed in separate corrugated carton. Weight of barrel 100 lbs. Weight of carton 10 lbs. Sold in barrel lots only.

No. 34N4. Per barrel (50 dolls)..... 25.00

RITA DOLL

Big flashy show doll, about 30 inches high. The kind that draws the crowds. A real attractive number. Composition construction, posed with hands resting under chin. Long hair, marcel waved, with handsome head band of sparkling tinsel. Large wavy ostrich plumes, decorated in bright colors. Packed 20 dolls in barrel, plumes for dolls packed in separate corrugated carton. Weight of barrel 120 lbs. Weight of carton 10 lbs. Sold in barrel lots only.

No. 34N5. Per barrel (20 dolls)..... 12.00

Unbreakable Carnival Dolls

Composition bodies, practically unbreakable, with movable arms, the most appealing expressions, daintily tinted features, painted hair coiffures.

Doll with sateen dress in assorted bright colors, gathered top, hoop skirt, tinsel trimmed, silver head band with plume.

No. 34N25. 16-inch Doll.

Per dozen 7.25
Per doz. in case lots of 4 doz. 7.00

Doll with sateen dress in assorted bright colors, gathered top, hoop skirt, maribou trimmed, bloomers to match. Complete, with head band.

No. 34N27. 16-inch Doll.

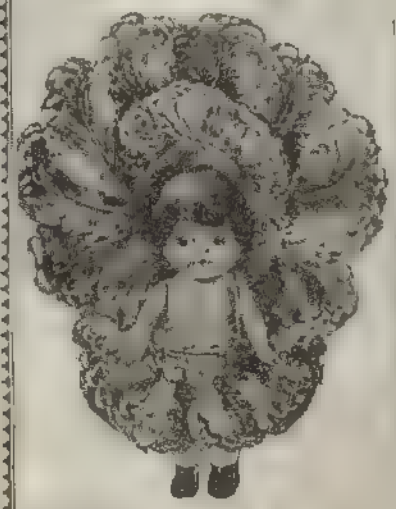
Per dozen 8.75
Per doz. in case lots of 4 doz. 8.50

Doll with sateen dress in assorted bright colors, gathered top, fan shape skirt trimmed with maribou and tinsel, bloomers to match.

No. 34N28. 16-inch Doll.

Per dozen 9.25
Per dozen in case lots of 4 dozen 9.00

Gorgeous Display Doll



Doll with assorted bright colors. Genuine ostrich feather plumes in contrasting delicate tints. (Figure 8 style). Doll full 16 inches with plume full 22 inches high.

No. 34N29. 16-inch Doll.

Per dozen 9.50
Per dozen in case lots of 4 dozen 9.25

Jack and Jill Dolls

Kiddies Favorites

Jack and Jill Dolls are so attractively dressed that even the grownups when they see them, cannot resist the temptation of purchasing them. Jack is dressed with a beautiful white blouse and green sateen pants and wears a green Tam O'Shanter hat with tie to match and knitted booties with patent shoes. Jill is dressed with a neat poplin flowered dress and a red vest to harmonize with the red and white bonnet. The drawers she wears are white muslin and she has knitted socks with patent shoes. The faces are beautifully moulded to resemble a real child. The face and hands are made of a non-breakable composition, and the bodies are stuffed with excelsior.

Jack.
22 Inches High.

No. 36N82. Per dozen $18.00
Per dozen in case lots of 6 dozen 17.50

Jill.
23 Inches High

No. 36N83. Per dozen $18.00
Per dozen in case lots of 6 dozen 19.50

Carnival Dolls

DUTCH DOLL

Dutch Doll, with composition head and hands. Full cotton stuffed; painted features, real blonde mohair wig, braided and tied with ribbons. Has Felt costume of bright contrasting colors hat and tie to match pantaloons. Lisle stockings, patent leather slippers. Made in 2 sizes.

No. 36N88. 16 inches overall. Packed 8 in box.
Per dozen 9.00

No. 36N89. 20 inches overall. Packed 3 in box.
Per dozen..... 13.50

14-INCH AUNT JEMIMA

Aunt Jemima is known from coast to coast, well advertised they sell like hotcakes. Has a mama voice. Head and hands are made of composition finished in a high brown color, painted hair, eyes and features. Regular Aunt Jemima costume of floral pattern cotton material with large white apron and collar, also red bandanna and Aunt Jemima label. Cotton stuffed body and legs. Has socks and shoes. Each in box.
No. 36N84. Per dozen..... 10.50

BEST QUALITY DUTCH DOLL

Dutch Doll, made of better quality felt than the numbers listed above. This doll is one of our most attractive numbers. Dressed in felt costume of very bright contrasting colors with hat and tie to match pantaloons, fibre silk stockings and patent leather slippers. Head and hands are composition. Body and legs are cotton stuffed. Painted features and blonde mohair wig, braided and tied with ribbon. 17 inches high. Each in box.
No. 36N78. Per dozen 13.50

FRENCH FLAPPER

Height, 25 Inches

Here Is the Biggest Flash of the Season. Made of composition. Painted features, bobbed mohair wig, cigarette in mouth, dressed in felt lounging suit of solid colors with black cuffs on sleeves and pants, black bands or pockets and buttons of contrasting colors. Patent leather slippers with high heels. Each in box.
No. 34N46. Per dozen. 30.00
Each 2.75
No. 34N39. Same as above but made of cheaper quality felt
Dozen..... 24.00 Each..... 2.15

37-INCH AUNT JEMIMA

Large Size Aunt Jemima with Mama Voice. Head and hands are composition finished in high brown color. Painted hair, eyes and features. Costume of floral pattern cotton material with large white apron and collar. Has red bandanna and Aunt Jemima label. Full cotton stuffed, a very fast selling number.
No. 36N74. Per dozen . 21.00
In case lots of 6 dozen. Per dozen 19.50

JESTER DOLL

This 30-Inch Jester Doll is dressed so attractively that it is sure to prove to be one of the big flashes of the season. The doll is dressed with bright colored flannelette combination of red and green, with Pompom ornaments on hat, shoes and coat. The sleeves have long hanging cuffs. The beautiful hand-painted face adds to its many attractive features. Each in box.

No. 34N47.
Per dozen.. 18.00 | Each.... 1.65

HULA DOLL

Shimmying, Shaking, Shivering, she stands in your booth and draws the crowd. A simple mechanism with extra fine key-wind clock spring motor enables this little lady to give a most amazing demonstration of the famous Hula Hula dance. About 16 inches high. Real hair wig, long silk fringed skirt. Each in box. Six dozen in case.

No. 34N42.
Per dozen 17.50

HOT DOMES

DUNN, For Chevrolet Motor Manifolds.

Cast iron, black japanned. Easily installed no change in original controls, all necessary bolts and fittings furnished. Delivers mixture into cylinders in a highly gasified state making easy starting in cold weather. With first explosion a continuous stream of hot exhaust gas circulates through the dome cap. The manifold dome becomes hot and the spray direct from the carburetor nozzle is forcefully thrown against it, effectively broken up, and transformed into dry, highly explosive gas, which accounts for the gratifying increase in mileage.

		Each
No. A-8DSM	Wt each 3 lbs	✣16 50 *$7 50*

One in carton

WATER CIRCULATING PUMPS

FLOOD, For Ford Cars.

Cast iron case, black enameled. Fastens securely to cylinder block with the same screws that formerly held metal connection for hose. Bronze suction propeller pumps radiator full of water once a minute.

Sediment cup conveniently placed, traps all dirt and rust particles in water, easily cleaned by removing drain plug.

Equipped with wide pulley with high belt guides. Grease cup forces oil under pressure direct to heavy bronze bearing in which the turbine shaft rotates.

Into the head is screwed a durable stuffing box of carefully machined brass. 16 inches of asbestos packing insures an absolute water-tight fit.

Complete with ⅝ inch leather belt.

		Each
No. A-575	Wt each 4 lbs	8 10
	One in carton.	*$8 50*

MILWAUKEE

Blue Bird.

Cast iron frame, blue enameled. ½ inch steel rod through center of frame with 2½ inch steel pulley for operating with fan belt.

Designed to attach to side of motor block for circulating and keeping water cool in Ford engine. Equipped with steel lubricating cap and adjusting screw with lock nut for attaching horn. Complete with 34 inch fan belt and instructions for installing.

		Each
No. A-550	Length 14½ ins	13 20
	One in carton; wt each 6 lb.	*$5 50*

KINGSTON, For Ford Cars.

(Spray Nozzle)

Model L4.

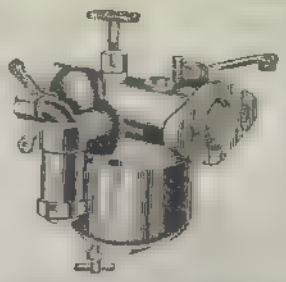
Equipped with improved spray nozzle, providing super carburetion, quicker getaway, economy and power in all weather and hill climbing conditions.

		Each
No. A-L4	Wt each 9½ lbs	9 45
	One in carton.	*$4 50*

✣F. O. B. Iowa Factory Only.

CARBURETORS

KINGSTON, For Ford Cars.
Model L-4-K



Designed and built especially for Ford Cars.

This is a combination of the famous model L-4 Kingston Ford Carburetor, and the New Kingston Fuel Cleaner.

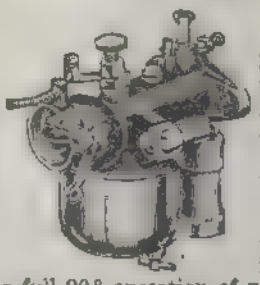
Equipped with improved spray nozzle. This nozzle, which has compensating features throughout the entire range, is provided with an automatic accelerating jet, an improved, patented and exclusive feature, that creates a super carburetor. The added feature is the fuel cleaner, which insures a saving in fuel; functions perfectly under all conditions; means a more flexible motor with quicker pick-up and getaway and gives more power on the hills. Fitted with a new design float, by an improved patented process, and is much the superior of any other float in use. The compensating air valve is made of the best bronze, will not break and wear is reduced to a minimum. By a long series of tests it has been proven that this model will insure increase mileage in Ford Cars.

		Each
No. A-L4K	Wt each 3 lbs	10 80 *$5 00*

One in carton

KINGSTON, DELUXE MODEL

For Ford Cars.

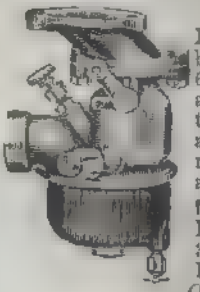


Horizontal type single adjustment, constructed throughout of brass, highly polished, equipped with steering column control and new fuel strainer which operates directly in connection with the needle valve, with a pull button operating through flexible steel tubing; nickel plated button is attached to steering column just below wheel and particularly valuable in cold weather, adds materially in fuel saving also driving flexibility as it affords a full 90° operation of needle valve for either starting or extreme road conditions.

No.	**A-10FD**
Less than 3, Each	18 00
3 or more, Each	16 80
List, Each	*$8 00*

One in carton; wt each 4 lbs.

KINGSTON, For Buick Cars.



Designed and built especially for the Buick car. Scientifically solves the problem of thorough carburetion for the "Little 6" Buick. Delivers every atom of power and punch in the fuel to the motor; increases the mileage per gallon. Is extremely flexible and insures a quick get-a-way, also maximum economy, maximum flexibility and absolute dependability of the motor.

No.	**A-7KB**
Less than 3, Each	✣37 14
3 or more, Each	✣34 65
List, Each	*$16 50*

One in carton; wt each 9 lbs.

KINGSTON, DELUXE MODEL,

For Model 490 Chevrolet Cars.

Designed especially for Chevrolet cars. Efficient and extremely economical in operation. Do not have to be adjusted with every change of the weather, for climatic conditions and changes do not effect them. Equipped with brass strainer and steering column control.

No.	**A-5KC**
Less than 3, Each	33 75
3 or more, Each	31 50
List, Each	*$15 00*

One in carton; wt each 8½ lbs.

✣F. O. B. Indiana Factory Only.

CARBURETORS

KINGSTON, DELUXE MODEL
For Dodge Cars.

Designed and built especially for Dodge cars. Breaks even the poorest gasoline into the most minute particles and thoroughly mixes these particles with air: this means thorough mixture and complete vaporization. Insures instant starting and immediate warming up of the motor under the the most severe weather and climatic conditions; also the utmost economy in fuel consumption; simple to adjust and once adjusted to motor requires no further attention. Equipped with brass strainer and steering column control.

No.	A-6KD
Less than 3, Each	+33 75
3 or more, Each	+31 50
List, Each	*$15 00*

One in carton, wt each 3 lbs.

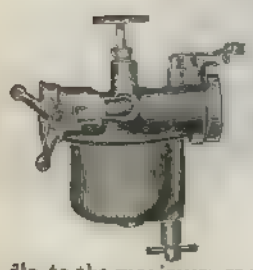
KINGSTON, DELUXE MODEL, For Maxwell Cars.

Designed especially for Maxwell cars. Gives increased power with lower fuel consumption, greater ease in starting and increased flexibility and smoothness in the operation of the motor. Handles high or low test gas with equally successful results; picks up instantly under load without choking. Equipped with brass strainer and steering column control.

No.	A-4KM
Less than 3, Each	33 75
3 or more, Each	31 50
List, Each	*$15 00*

One in carton, wt each 9 lbs.

HOLLEY, Model NH—For Ford Cars.



The inlet needle seat is designed as a detachable part which, if damaged, can be easily removed or replaced in a few minutes.

Has a primary air passage so designed that the cold fuel is lifted off the nozzle into the main air stream, thus insuring ease in starting

This model enables to accelerate car from idle to the maximum speed in a few seconds.

The motor can be operated from idle to the maximum speed of 45 miles per hour. These speeds can be obtained without having to change adjustments of the needle valve. The inlet needle is made of special alloy, which is absolutely impervious to the effect of acids or other impurities.

	Each
No. A-NH—Carburetor Only	9 45
One in wood box; wt each 7 lbs.	*$4 50*

CARBURETOR FLOATS

HOLLEY

	Per 100
No. A-4451—To be used on old style G Holley carburetors	$66 00
No. A-6201—To be used on new style N H Holley carburetors	66 00

Packed loose.

CARBURETOR GASKETS

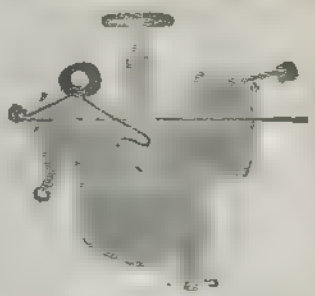
For Ford Cars.

Especially designed for use between carburetor and manifold on Ford Cars.

	1 to 99 Per 100	100 or more Per 100
No. A-90XG—Copper asbestos	$6 24	4 44

25 in cardboard box; wt per box ¼ lb.

CARBURETOR REPAIR SPRINGS



For Ford Cars.

Extra quality spring steel. Especially adapted for quick release of choker. Easily attached to all model Ford carburetors.

	Per 100
No. A-76—Length over all 3¼ ins	$19 50

100 in cardboard box; wt per hundred 2 lbs.

COMBINED CARBURETOR CONTROL AND CHOKER

E Z.

For Ford Cars.

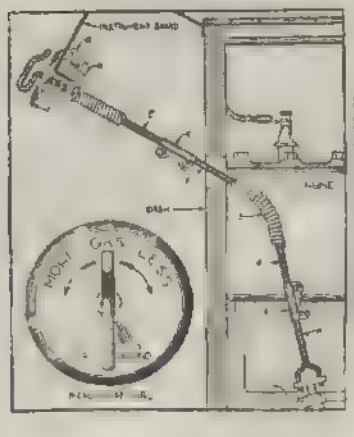
Designed to take the place of present choker on Ford cars. Acts the same as present choker but gives additional advantage of having the carburetor adjustment within easy reach of driver. The dial is neat and shows the position of needle valve at all times The button is nickeled and highly polished.

Screw in button is guide. Complete with screws and instructions for installing.

	Each
No. A-193—Wt each 7 ozs.	2 40 $2 25

One in cardboard box.

CARBURETOR CONTROLS



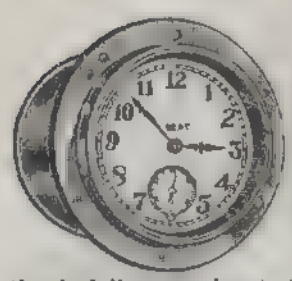
For Ford Cars.

This device permits easy adjustment of the carburetor gas needle from the drivers seat without reaching under instrument board, Can be applied to all model Ford cars and trucks, without drilling or cutting of the dash or nstrument board. Dial and handle polished nickel finish Complete with directions for installing.

	Each
No. A30R -Wt each, ¾ lb	$1 65

One in cardboard box.

AUTOMOBILE CLOCKS



Eight Day Movement.

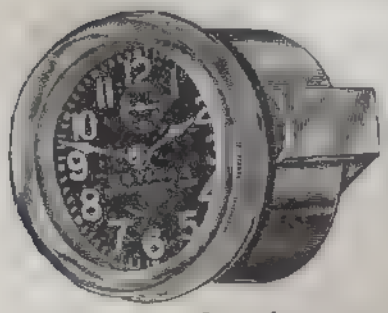
Steel case, nickel plated; brass rim and bezel, highly nickel plated and polished; 2½ in. iveroid dial with second hand; extreme diameter of rim 3½ ins; depth 2½ inches.

Designed to be sunk into the dash and makes a very neat appearance. Has a new patent spring catch, which holds the movement firmly in position. The face of the clock lies very close to the dash as no part need projeet for winding purposes.

	Each
No. A-3 –Complete with necessary screws and complete directions for using	$12 75

One in cardboard box; wt each about 2½ lbs.

BROADWAY, Keyless.



Rim wind, Rim set, Eight day movement.

Brass case; full nickel plated. Mounted on the instrument board by means of invisible bracket without screws. Has every appearance of being part of the original equipment. So constructed to withstand the vibration of a running motor and yet keep accurate time. Each part is carefully tested. The plates, pinions wheels and every part of the movement is solidly put together. 2¼ inch dial.

Nos.	Plain Dial. A-B	Luminous Dial. A-BL
Less than 3, Each	25 88	30 38
3 to 5, Each	22 98	27 00
6 or more, Each	20 70	24 30
List, Each	*$11 50*	*13 50*

One in cardboard box; wt each about 2½ lbs.

AUTOMOBILE CLOCKS

DETROIT, Keyless.

Rim wind, Rim set, Eight day movement. Brass case, full nickel plated, has new style rim giving an excellent grip that makes winding and setting particularly easy. So constructed to withstand the vibration of a running motor and yet keep accurate time. Each part is carefully tested. The plates, pinions, wheels and every part of the movement is solidly put together. 2¼ inch dial.

Nos.	Plain Dial. A-D	Luminous Dial. A-DL
Less than 3, Each	25 88	30 38
3 to 5, Each	22 98	27 00
6 or more, Each	20 70	24 30
List, Each	*$11 50*	*13 50*

One in cardboard box; wt each about 2½ lbs.

RADIUM GLO

Stem Wind and Set. Radium Coated Figures.

Nickel plated octagon case; black face with new design cubist figures. For dash mounting, requires ⅛ inch hole for fastening securely to car.

	Each
No. A-350 – Diam 1¾ ins	7 50
	$3 50

One in cardboard box; wt each 8 ozs.

AUTOMOBILE AMMETERS

MODEL 500-20F FLUSH TYPE

For Ford Cars.

Black enameled flange; black japanned scale board with white enameled raised letters and figures which enable correct reading. Indicator hand is so constructed and being extremely sensitive it will follow the smallest change of current flow. Vibration will not effect reading of the instrument. When motor stops, indicator hand returns to zero.

	Each
No. A-27F—Standard range 20-0-20; diam case 3 ins	$1 80

One in cardboard box; wt each ½ lb.

HUB ODOMETERS

VEEDER

For Ford Cars and Trucks.

Especially adapted to show how far a Ford car or truck travels per gallon of gasoline, per pint of oil, per battery renewal, etc.

Made of hardened steel; black japanned. Studs upon which the dials revolve are of copper-nickel alloy which will not rust or corrode. A special stuffing box prevents oil or grease from leaking in on the dials, which are locked and prevented from turning except when driven by the mechanism.

	Each
No. A-15VHO—Wt each 4 lbs	$36 75

One in carton.

VEEDER

For Trucks Other Than Fords.

Especially adapted to tell what distance is possible to run on a gallon of gasoline, a pint of oil, a battery renewal, a tire life, etc.

Made of hardened steel; black japanned. Studs upon which dials revolve are of copper-nickel alloy and will not rust or corrode. A special stuffing box prevents oil or grease from leaking in on the dials, which are locked and prevented from turning except when driven by the mechanism.

Note—When ordering specify make, model, year of car and size of front wheel.

	Each
No. A-16VHO—Wt each about 6 lbs	✣$49 50

One in carton.

SPEEDOMETERS

A. C.

A high grade magnetic instrument, fully jeweled, registering 70 miles per hour, 100,000 mile total register and 100 mile trip, registering tenths and resetable. Black face with white figures; rim of solid brass nickel plated. Completely sealed against water, dust, etc.

For Ford Cars. (Showing Wheel Gear)

This drive assembly is designed for installation on both the two-piece and new one-piece Ford spindles. A small compact drive, the gear being held by three wheel flange bolts, complete with driving shaft, gears and attachments. Simple and active.

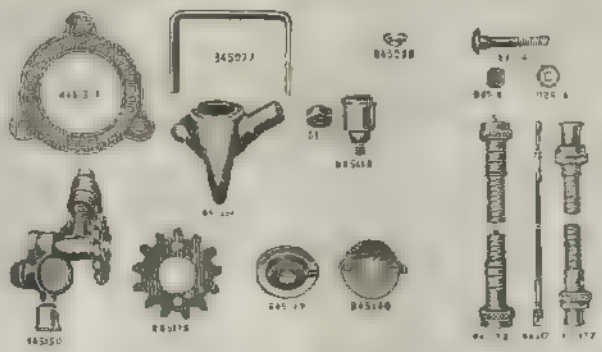
No.	A-160A
Diam, ins	3
Wt each, lbs	6½
1 to 4, Each	30 00
5 to 25, Each	28 50
25 to 49, Each	27 00
50 or more, Each	26 25
List Price, Each	$15 00

One complete in carton.

✣F. O.B. Connecticut Factory Only.

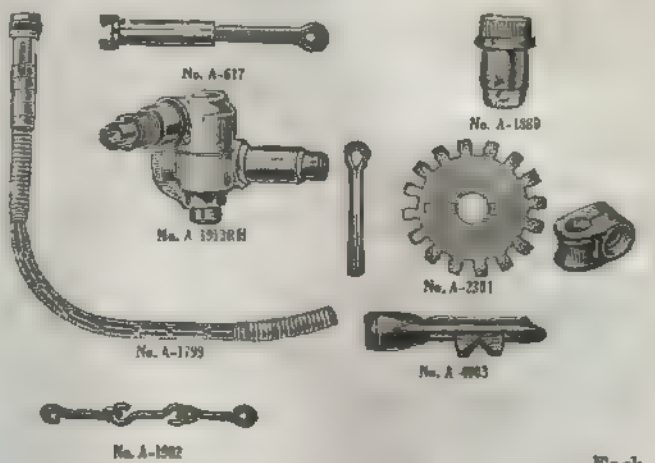
SPEEDOMETER PARTS

FOR A. C. SPEEDOMETERS, For Ford Cars.



		Each	List
No. A-845077—Mounting strap (for hole mounting)	✣	24	$0 10
No. A-845049—Wing nut	✣	12	05
No. A-845176—Cable assemble, 60 ins	✣3	30	1 40
No. A-845177—Casing assembly, 60 ins	✣3	75	1 55
No. A-845151—Spindle clamp bracket	✣1	29	55
No. A-845150—45 degree reducer assembly complete	✣5	40	2 25
No. A-845138—Fibre pinion gear	✣	36	15
No. A-845140—Driving washer	✣	12	05
No. A-845139—Cup washer	✣	12	05
No. A-103052—Hexagon check nut	✣	12	05
No. A-845148—Grease cup	✣	36	15
No. A-845134—Road wheel gear	✣	96	40
No. A-845147—Road wheel gear bolt	✣	12	05
No. A-845141—Road wheel gear spacer	✣	12	05
No. A-112604—Road wheel gear nut	✣	12	05

FOR STEWART SPEEDOMETERS, For Ford Cars.



	Each
No. A-1913RH—Right hand swivel joint	$5 70
No. A-1799—Flexible shaft, complete without leather covering; length 78 inches. Fits any Ford car	6 45
No. A-1911—Flexible shaft casing, without leather covering	4 35
No. A-1880—Upper end clutch of chain	39
No. A-617—Sliding bar and lower end clutch of chain	60
No. A-2301—Pinion or small gear (fibre)	39
No. A-4003—Clamp part (upright)	1 26
	Per Ft
No. A-1902—Flexible shaft chain (11 links to a foot)	$0 24

✣F. O. B. Indiana Factory Only.

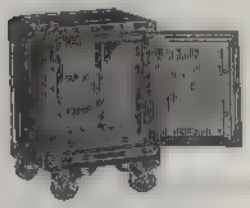
FIRE PROOF SAFES

COLUMBIAN SAFE AND LOCK CO.

The only one piece flanged front and back air chamber Safe in the market. The back and front is a solid one piece, formed by flanging a square steel plate on a powerful machine—the front is then died out, forming the door frame—the door is thus made from the part that has been cut out in making the frame. After this process the front and backs are electrically welded to a solid one piece of sheet steel, which forms the top, bottom and sides, eliminating rivets, etc., which makes as nearly a solid construction as is possible to make, after the filling and inside construction is put in.

An important feature, found in no other make, is an air chamber all around the inside, top, bottom, back and sides of the Safe. This air chamber is made of a double cabinet, one contained in the other, so there is a space of ⅜ of an inch all around. This is done to eliminate a common complaint to which all Fire Proof Safes are subject—that is, dampness, which causes the Safe to sweat, during which process this sweat will go toward the inside, causing the cabinet work to warp. This air chamber makes the Safe doubly strong and secure in case of fire, forming a vacuum, so to speak.

We Guarantee the Columbian Safes to be dry, and the locks and bolts to work smoothly, that the doors will fit—not too loose, not too tight, and that the contents will be protected from fire in any emergency for which a fire-proof safe is intended.



Single outside door fitted with combination locks unless key locks are specially ordered.

Customer's name painted on safes free of charge.

Without Inside Door.

Outside, ins.	16x9 ½x10¾ deep
Inside, ins.	10x6x6 ½ deep
Three shelves, ins	3¼x6

Each

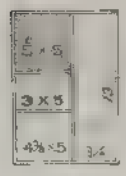
No. 201—Approx wt 75 lbs. **+$61 50**

Without Inside Door.

Outside, ins.	23x13¼x18 deep
Inside, ins.	12¼x8⅜x9½ deep
Cash box, ins.	4x5
One book space, ins.	3⅝x12
One book space, ins.	3x4
One drawer, ins.	3x4

Each

No. 202—Approx wt 215 lbs. **+$120 00**

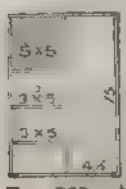


Without Inside Door.

Outside, ins.	26¼x16⅝x19½ deep
Inside, ins.	13¼x8¼x10½ deep
Cash box, ins.	5x5
One book space, ins.	3¼x11
One book space, ins.	4⅜x5
One drawer, ins.	3x5

Each

No. 202½—Approx wt 360 lbs. **+$137 25**



Without Inside Door.

Outside, ins.	28¼x18x20⅜ deep
Inside, ins.	15½x10½x11 deep
Cash box, ins.	5x5
One book space, ins.	4½x15
Two book spaces, ins.	3x5
One drawer, ins.	3x5

Each

No. 203—Approx wt 435 lbs. **+$153 00**

+F. O. B. Ohio Factory Only.

FIRE PROOF SAFES

COLUMBIAN SAFE AND LOCK CO.

Single outside door, fitted with combination lock.

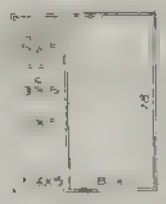
Safes with inside door, fitted with key lock.

Without Inside Door.

Outside, ins.	30⅝x20x22½ deep
Inside, ins.	17¼x12¼x12 deep
Cash box, ins.	5x5
One book space, ins.	6½x17
One book space, ins.	4½x5
One drawer, ins.	3x5
One pigeon hole, ins	3x5

Each

No. 203½—Approx wt 565 lbs. **+$168 00**

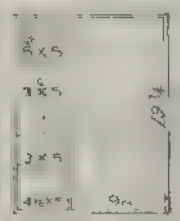


Without Inside Door.

Outside, ins.	32¾x23x25 deep
Inside, ins.	18 ½x14½x13 deep
Cash box, ins.	5x5
One book, space, ins.	8⅜x18
One book, space, ins.	5⅞x5
One drawer, ins.	3x5
One pigeon hole, ins.	3x5

Each

No. 204—Approx wt 795 lbs. **+$202 50**

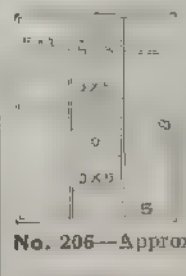


With Inside Door.

Outside, ins.	37x25¼x27 deep
Inside, ins.	20⅜x15¼x13 deep
Cash box, ins.	5x5
One book space, ins.	9¼x19¾
One book space, ins.	4⅝x5
Two drawers, ins.	3x5
One pigeon hole, ins.	3x5

Each

No. 205—Approx wt 1060 lbs. **+$258 75**

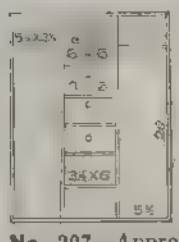


With Inside Door.

Outside, ins.	39½x26x28¼ deep
Inside, ins.	22⅜x16½x14 deep
Cash box, ins.	5x5
Two book spaces, ins.	5x18
Three drawers, ins.	9x5
Two pigeon holes, ins.	5x3½
Two pigeon holes, ins.	3x5

Each

No. 206—Approx wt 1190 lbs. **+$290 25**



With Inside Door.

Outside, ins.	41½x28¾x29¼ deep
Inside, ins.	24½x18½x14 deep
Cash box, ins.	6x6
Two book, spaces, ins.	5½x20
Three drawers, ins.	3x6
Two pigeon holes, ins.	5½x3½
Two pigeon holes, ins.	3½x6

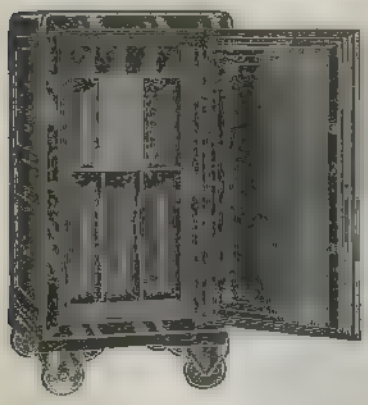
Each

No. 207—Approx wt 1480 lbs. **+$324 00**

+F. O. B. Ohio Factory Only.

FIRE PROOF SAFES

COLUMBIAN SAFE AND LOCK CO.



Single outside door fitted with combination lock. With single inside door fitted with key lock.

With Inside Door.

Outside, ins	53x30½x30 deep
Inside, ins	34½x19½x14 deep
Cash box, ins	6x6
One book space, ins	12¼x18
One book space, ins	12¼x15⅝
One book space, ins	6x17⅜
Three drawers, ins	3x6

Each

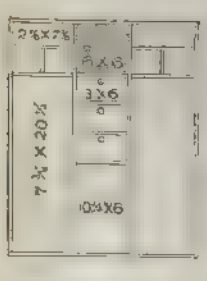
No. 208—Approx wt 1980 lbs ..... **+$477 00**

With Inside Door.

Outside, ins	67½x32x30 deep
Inside, ins	48x19½x14½ deep
Cash box, ins	6x6
Four book spaces, ins	12x20
One book space, ins	6x20
Four drawers, ins	3¾x6
Four pigeon holes, ins	12x6½

Each

No. 209—Approx wt 2600 lbs ..... **+$654 00**



With Double Outside and Inside Doors.

Outside, ins	47½x34x30½ deep
Inside, ins	27⅝x22x15 deep
Cash box, ins	6x6
Two book spaces, ins	7¾x20
One book space, ins	10¾x6
Three drawers, ins	3x6
Two pigeon holes, ins	2⅞x7⅜
Four pigeon holes, ins	2⅞x3⅞

Each

No. 210—Approx wt 1900 lbs ..... **+$646 50**

+F. O. B. Ohio Factory Only.

FIRE PROOF SAFES

COLUMBIAN SAFE AND LOCK CO.

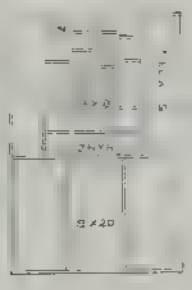
Have double outside folding doors with combination lock. Furnished with double folding inside doors with bolt.

With Double Outside and Inside Doors.

Outside, ins	54x38½x31¾ deep
Inside, ins	34½x26½x16½ deep
Cash box, ins	7x7
Two book spaces, ins	8½x20
Two book spaces, ins	5¼x15¼
One book space, ins	8x16⅝
Two drawers, ins	3x7
One pigeon hole, ins	3x8
Two pigeon holes, ins	3½x7
Three pigeon holes, ins	2½x4½

Each

No. 211—Approx wt 2535 lbs ..... **+$727 50**

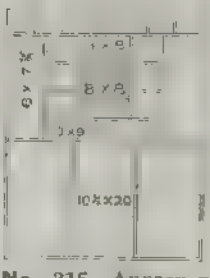


With Double Outside and Inside Doors.

Outside, ins	67¼x42½x33 deep
Inside, ins	44x28⅝x16 deep
Cash box, ins	8x8
Three book spaces, ins	9x20
Two book spaces, ins	5½x23½
Five drawers, ins	2¾x8
Twelve pigeon holes, ins	3½x4

Each

No. 214—Approx wt 3735 lbs ..... **+$954 00**

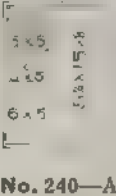


With Double Outside and Inside Doors.

Outside, ins	65½x46½x33¾ deep
Inside, ins	42x82¾x16 deep
Cash box, ins	8x8
Three book spaces, ins	10½x20
Two book spaces, ins	6x17⅞
Two drawers, ins	3x9½
Two drawers, ins	3x8
Six pigeon holes, ins	4½x5½
Seven pigeon holes, ins	4⅛x3⅝

Each

No. 215—Approx wt 4110 lbs ..... **+$985 50**



With Single Outside and Inside Doors.

Outside, ins	26¼x16⅝x19½ deep
Inside, ins	15⅜x11½x10 deep
Cash box, ins	6x5
One book space, ins	6½x15⅜
One book space, ins	6x5
One drawer, ins	3x5

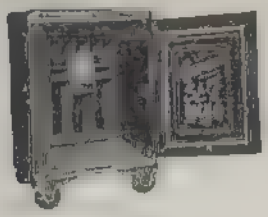
Each

No. 240—Approx wt 330 lbs ..... **+$153 00**

+F. O. B. Ohio Factory Only.

FIRE PROOF SAFES

COLUMBIAN SAFE AND LOCK CO.



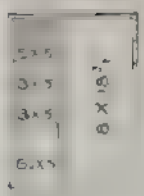
Outside door fitted with combination lock. Inside door fitted with key lock, except Nos. 248 and 249 with bolt.

With Single Outside and Inside Doors.

Outside, ins	28½x18x20⅜ deep
Inside, ins	17⅜x12⅝x10½ deep
Cash box, ins	5x5
One book space, ins	6⅝x17
One book space, ins	5¼x5
One drawer, ins	3x5
One pigeon hole, ins	3x5

Each

No. 241—Approx wt 365 lbs ..... **+$170 25**



With Single Outside and Inside Doors.

Outside, ins	30⅛x20x22½ deep
Inside, ins	19x14x12 deep
Cash box, ins	5x5
One book space, ins	8x18¾
One book space, ins	6¼x5
One drawer, ins	3x5
One pigeon hole, ins	3x5

Each

No. 242—Approx wt 505 lbs ..... **+$195 00**

With Single Outside and Inside Doors.

Outside, ins	32¾x23x23½ deep
Inside, ins	20⅝x16⅞x14 deep
Cash box, ins	5x5
One book space, ins	10⅞x20x14
One book space, ins	5x8
One drawer, ins	3x5
One pigeon hole, ins	3x5

Each

No. 243—Approx wt 705 lbs ..... **+$226 50**

With Single Outside and Inside Doors.

Outside, ins	36⅞x25½x27 deep
Inside, ins	23x18x16 deep
Cash box, ins	5x5
One book space, ins	12x22⅝x16
One book space, ins	10⅝x5
One drawer, ins	5x5
One pigeon hole, ins	5x5

Each

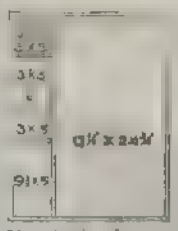
No. 244—Approx wt 890 lbs ..... **+$259 50**

+F. O. B. Ohio Factory Only.

FIRE PROOF SAFES

COLUMBIAN SAFE AND LOCK COMPANY

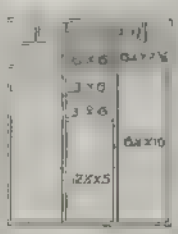
With Single Outside and Inside Doors.



Outside, ins	39¼x26x28¼ deep
Inside, ins	26¼x19½x16 deep
Cash box, ins	5x5
One book space, ins	13½x24¾
One book space, ins	9½x5
Two drawers, ins	3x5
One pigeon hole, ins	3x5

Each

No. 245—Approx wt 1005 lbs ..... **+$290 25**



With Single Outside and Inside Doors.

Outside, ins	30⅞x26x28½ deep
Inside, ins	25⅞x20⅛x16 deep
Cash box, ins	6x6
Two book spaces, ins	6⅛x19
One book space, ins	12½x5
Two drawers, ins	3x6
Two pigeon holes, ins	6¼x2⅝
Four pigeon holes, ins	3x2⅝

Each

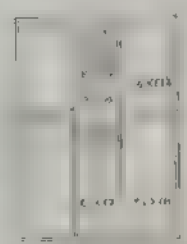
No. 246—Approx wt 1000 lbs ..... **+$290 25**

With Single Outside and Inside Doors.

Outside, ins	41x25½x29 deep
Inside, ins	26x21x18 deep
Cash box, ins	6x5
One book space, ins	9x20
One book space, ins	12x11⅛
One book space, ins	9⅛x7⅛
Two drawers, ins	3x6
Two pigeon holes, ins	3x5⅝
Two pigeon holes, ins	2⅞x5⅝

Each

No. 247—Approx wt 1270 lbs ..... **+$323 25**

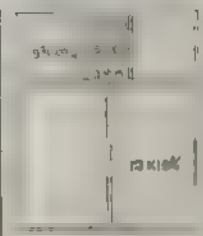


With Double Outside and Inside Doors.

Outside, ins	48⅞x32x30 deep
Inside, ins	32⅛x22½x16 deep
Cash box, ins	6x6
Two book spaces, ins	6⅛x18
Two book spaces, ins	5½x11¼
One book space, ins	6x12
Two drawers, ins	3x6
Two pigeon holes, ins	3x6

Each

No. 248—Approx wt 1715 lbs ..... **+$589 50**



With Double Outside and Inside Doors.

Outside, ins	46⅜x34x30 deep
Inside, ins	30x21⅝x17½ deep
Cash box, ins	6x6
Two book spaces, ins	12x6¾
Two book spaces, ins	8¾x9½
One drawer, ins	3x6

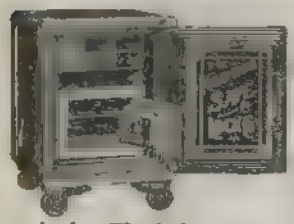
Each

No. 249—Approx wt 1650 lbs ..... **+$589 50**

+F. O. B. Ohio Factory Only.

FIRE PROOF SAFES

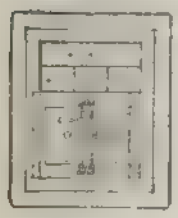
COLUMBIAN SAFE AND LOCK CO.



With Burglar Chests.

Same general construction as safes [illegible] pages with the exception of being fitted with burglar chests.

The chests are of five-ply steel, the door is hung on crane hinges, closed with lever eccentric pressure. Door and frame is made a tenon and groove style, asbestos packed. The bolt work is double acting, made of 1-inch cold rolled round calendar steel, and securely locked with an unpickable combination lock. The dial and handle are so made that they cannot be driven in or out.



With Single Outside and Inside Door.

Outside, ins.....39½x26x28¼ deep
Inside, ins.....22⅜x16⅛x16 deep
Chest, inside, ins.....12x16x8½
One shelf, ins.....4x16
Two pigeon holes, ins.....4x8⅛
One drawer, ins.....4x5

Each
No. 206C—Approx wt 1600 lbs. ✚$888 00

With Single Outside and Inside Door.

Outside, ins.....41 [illegible]x28[illegible]x29½ deep
Inside, ins.....25 [illegible]x20x16 deep
Chest, inside, ins.....12x16x8½
One shelf, ins.....[illegible]x14½
Four pigeon holes, ins.....3⅛x6½
Two drawers, ins.....3 [illegible]x6

Each
No. 207C—Approx wt 1900 lbs.....✚$921 00

With Single Outside and Inside Door.

Outside, ins.....58x30½x30 deep
Inside, ins.....35½x20¾x16 deep
Chest, inside, ins.....12x16x8½
Two book spaces, ins.....6[illegible]x15
Three pigeon holes, ins.....3 [illegible]x4
One pigeon hole, ins.....2 [illegible]x6
Five drawers, ins.....3 [illegible]x6

Each
No. 208C—Approx wt 2400 lbs.....✚$1074 00

With Single Outside and Inside Door.

Outside ins.....67½x32x30 deep
Inside, ins.....47x19x16 deep
Chest, inside, ins.....12x16x8½
Two book spaces, ins.....6x22
Eight pigeon holes, ins.....4 [illegible]x5
Six drawers, ins.....3½ [illegible]x6

Each
No. 209C—Approx wt 3100 lbs.....✚$1251 00

✚F. O. B. Ohio Factory Only.

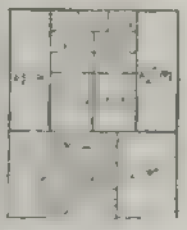
FIRE PROOF SAFES

COLUMBIAN SAFE AND LOCK CO.

With Double Outside and Inside Doors.

Outside, ins.....47½x34x30½ deep
Inside, ins.....[illegible]x14x16 deep
One book space, ins.....6x14
One book space, ins.....5 [illegible]x10
One book space, ins.....5 [illegible]x18½
Three pigeon holes, ins.....3 [illegible]x4
One pigeon hole, ins.....4 [illegible]x4
Three drawers, ins.....[illegible]x6
One drawer, ins.....[illegible]x6

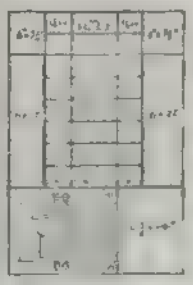
Each
No. 210C—Approx wt 2400 lbs.....✚$1248 00



With Double Outside and Inside Doors.

Outside, ins.....54x38½x31⅜ deep
Inside, ins.....35x28x16 deep
Two book spaces, ins.....6[illegible]x22
Two book spaces, ins.....[illegible]x14
Three pigeon holes, ins.....[illegible]x4⅝
Four drawers, ins.....[illegible]x7

Each
No. 211C—Approx wt 3000 lbs.....✚$1325 25



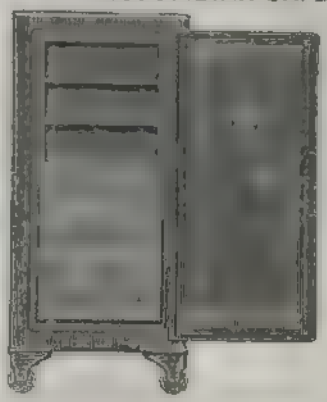
With Double Outside and Inside Doors

Outside, ins.....67½x12[illegible]x33 deep
Inside, ins.....44x28[illegible]x16 deep
Two book spaces, ins.....6x22
One book space, ins.....10[illegible]x14
Two pigeon holes, ins.....8[illegible]x4
Six pigeon holes, ins.....[illegible]x4
Eight drawers, ins.....3½[illegible]x7

Each
No. 214C—Approx wt 4200 lbs.....✚$1551 00

LIGHT WALL SAFES

COLUMBIAN SAFE AND LOCK CO.



For Filing Safes.

Substantially constructed of heavy steel; with unpickable lock. Made in three sizes as shown below.

Prices are for safes only. Cabinet work can be arranged to suit purchaser, in either wood or metal at a nominal additional cost.

Nos.		251	252	253
Outside dimension, ins.	Height	62½	67½	77
	Width	27½	32	40½
	Depth	24	23	27
Inside dimensions, ins.	Height	48	53	61
	Width	20	25	33
	Depth	16	16	19
Approx wt lbs		1500	1800	2350
Each		✚$606 00	✚600 00	✚1017 00

✚F. O. B. Ohio Factory Only.

"C-P" Belt Driven Air Compressors

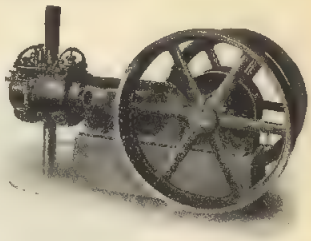
Simplate Concentric-Disc Independent Plate Valve.

Liberal Bearing Surfaces.

Automatic Lubrication.

Automatic Three-Step Capacity Regulation.

Advanced features of design—representing highest development in construction; frame completely enclosed—counter-balanced crankshaft on machines over 6-inch stroke—valves set radially in cylinder which is completely water-jacketed. The extreme light weight and small lift of the Simplate valve results in little wear and long life—rapid and silent operation—high mechanical and volumetric efficiency.

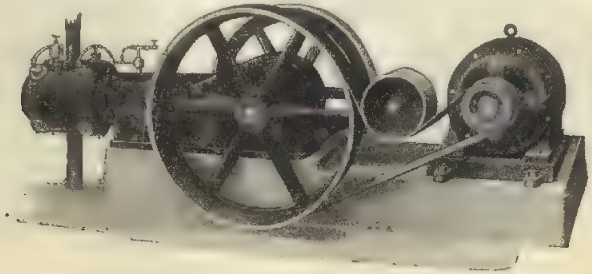


Class N-SB Single Stage Belted.

Class N-SB Single Stage Belt Driven Air or Gas Compressors

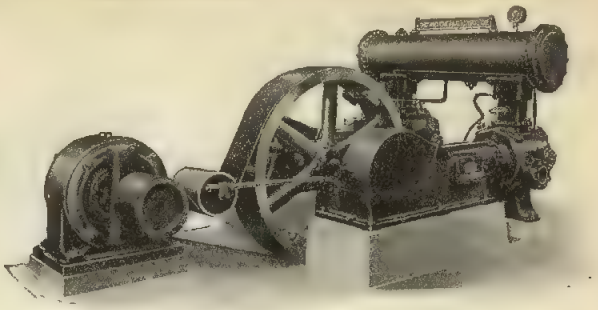
Cylinder							• List Prices of Extras, F O B Franklin Pa.									
Diameter, Inches	Stroke, Inches	R P M	Piston Displacement Cubic Feet Free Air Per Minute	Air Pressure, Lbs per Sq. Inch	H P. Required Including Belt Loss	List Price Compressor F O.B. Franklin, Pa.	Short Belt Idler, Extra	Leather Belt for Short Belt Drive	Force Feed Lubricator	Centrifugal Starting Unloader instead of Differential Unloader	Centrifugal Unloader and also Differential Unloader	Automatic Water Control Valve	France Metallic Packing	Centrifugal Water Circulating Pump	Cooling System Including Pump, Tank and Piping	Tight and Loose Pulley without Outboard Bearing
6	6	350	60	100-125	10¼-10¾	$510	$45	$35	$30	$50	$75	$30	$20	$60	$130	$65
7½	6	350	107	50-100	13½-17½	545	45	35	30	50	75	30	20	60	130	65
9	6	350	155	15-50	10-16	610	45	35	30	50	75	30	20	60	130	65
8	8	300	139	100-125	21½-22½	775	55	70	30	50	75	30	30	60	280	110
9	8	300	176	80-100	24-26	835	55	70	30	50	75	30	30	60	280	110
10	8	300	218	50-70	27-29½	885	55	70	30	50	75	30	30	60	280	110
12	8	300	314	15-40	22-38	1005	55	70	30	50	75	30	30	60	280	110
10	10	275	250	100-125	43-47	1155	70	100	30	60	75	30	30	60	285	220
12	10	275	360	80-100	56-60	1240	70	100	30	50	75	30	30	60	285	220
15	10	275	562	30-50	57-72	1510	70	100	30	50	75	30	30	60	285	220
17	10	275	723	15-30	48-67	1830	70	100	30	50	75	30	30	60	285	220
12	12	250	392	100-125	67-74	1625	100	160	30	50	75	30	35	60	300	270
14	12	250	534	80-100	75-92	1775	100	160	30	50	75	30	35	60	300	270
17	12	250	785	30-50	78-99	2075	100	160	30	50	75	30	35	60	300	270
20	12	250	1092	15-30	75-103	2375	100	160	30	50	75	30	35	60	300	270
14	14	235	586	100-125	93-97	2390	110	200	30	50	75	30	40	60		340
17	14	235	863	50-80	110-127	2545	110	200	30	50	75	30	40	60		340
20	14	235	1166	15-40	81-139	2840	110	200	30	50	75	30	40	60		340

Standard equipment includes Differential Unloader, three-way valve for starting and complete set of wrenches
The Centrifugal Unloader and Automatic Water Control Valve listed above as extras are for use where an automatic starter and pressure regulator are used with the electric motor driving the compressor.
Any of these machines can be mounted on skids for semi portable use with or without cooling system When so desired, the purchaser should furnish his own skids, as he can usually buy them second hand at a nominal price.



Single Stage Short Belt Driven Air Compressor—a Very Popular Machine

"C-P" Two-Stage Belt Driven Air Compressors

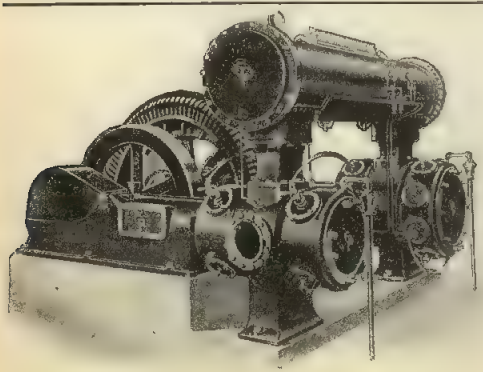


Two Stage Short Belt Driven Air or Gas Compressor

Class O-CB Two-Stage Belt Driven Air or Gas Compressor

Cylinders Inches						B. H. P Required at Pressure Shown, Including Belt Loss			List Prices of Extras F O B Franklin, Pa.											
Diameter, Low Pressure	Diameter, High Pressure	Stroke	R. P. M.	Piston Displacement, Cu. Ft. Free Air per Minute	Maximum Pressure, Lbs per Sq In	80 Lbs	100 Lbs	Maximum	List Price, F O B. Franklin, Pa., with Three-Step Control or Centrifugal Unloader	Idler for Short-Belt Drive	Standard Length of Double Leather Belt for Short Belt Drive	Five-Step Control Instead of Three-Step	Three-Step Control and also Centrifugal Unloader	Automatic Water Control Valves	Foundation Bolts, Nuts and Washers Less Anchor Plates	Brass Intercooler Tubes	Brass Intercooler Tubes and Brass Tube Sheets	Metallic Packing for Piston Rods	Indicator Pipes and Three-Way Cocks	Subbase Under Compressor
15	9	10	275	562	150	89	100	113	$3125	$150	$180		$60	$60	$20	$90	$200	$70	$30	$220
17	10	12	290	788	125	120	135	147	3810	200	230		60	60	25	120	230	70	30	340
19	11	12	250	885	110	150	167	173	4500	200	280		60	60	25	200	310	70	30	340
20	12	14	240	1221	125	187	207	228	5000	250	400	$250	.....	.....	40	220	360	90	30	445
23	13	16	225	1730	125	280	286	316	7000	425	600	250			40	260	450	90	30	620

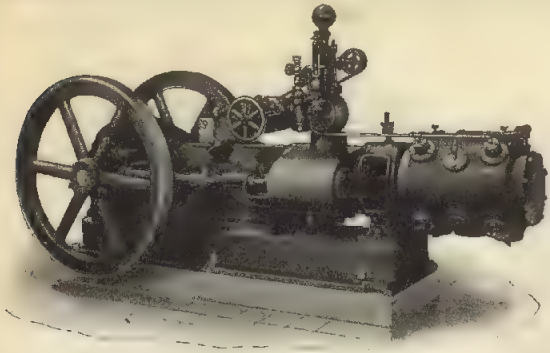
Standard equipment includes intercooler, force feed lubricator for cylinders, complete set of wrenches and three-step capacity regulation Five-step control can be furnished with the 20-12x14 and 23-13x16 sizes at the extra prices shown



Two Stage Direct Connected Motor Driven Air Compressor

Class O-CE Two-Stage, Direct-Connected Motor Driven Air Compressors

Equipped with Three Step Capacity Regulation –Made in capacities from 613 to 4424 cu. ft. displacement at pressures from 110 to 150 lbs. Bulletins containing complete information furnished on request.

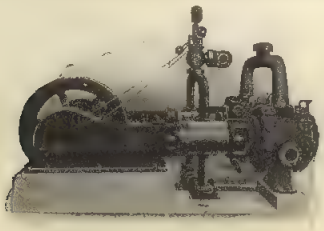


"C-P" Steam Driven Air Compressors

Class N-SS Straight Line Steam Driven Air or Gas Compressors

Cylinders (Inches)								List Prices of Extras, F.O.B. Franklin, Pa.			
Diameter, Steam	Diameter, Air	Stroke	R P M	Piston Displacement Cu. Ft. Free Air per Minute	Air Pressure (Lbs. per Sq. In.)	I H P in Steam Cylinder at Air Pressures Shown	List Price Compressor, F.O.B. Franklin, Pa.	Foundation Bolts, Nuts and Washers Less Anchor Plates	Centrifugal Water Circulating Pump	Force Feed Lubricator for Steam and Air Cylinders	Metallic Packing for Steam and Air Piston Rods
6	6	6	350	87	100-125	10¼-10⅜	$1125	$10	$50	$60	$100
6	7½	6	350	106	80-100	13½-17½	1150	10	60	60	100
6	9	6	350	153	15-50	10-16	1225	10	60	60	100
8	8	8	300	136	100-125	21½-22½	1475	10	60	60	100
8	9	8	300	173	80-100	24-26	1510	10	60	60	100
8	10	8	300	215	50-70	27-29½	1530	10	60	60	100
8	12	8	300	311	15-40	22-38	1630	10	60	60	100
10	10	10	275	246	100-125	43-47	2015	10	60	60	100
10	12	10	275	356	80-100	56-60	2200	10	60	60	100
10	15	10	275	568	30-50	57-72	2260	10	60	60	100
10	17	10	275	719	15-30	48-57	2590	10	60	60	100
13½	12	12	250	387	100-125	67-74	2970	15	60	60	110
13½	14	12	250	529	80-100	75-92	3110	15	60	60	110
13½	17	12	250	783	30-50	78-99	3430	15	60	60	110
13½	20	12	250	1085	15-30	75-103	3780	15	60	60	110
15	14	14	235	579	100-125	93-97	3715	15	60	60	120
15	17	14	235	857	50-80	110-127	4040	15	60	60	120
15	20	14	235	1189	15-40	84-139	4475	15	60	60	120

Note—6", 8" and 10" stroke compressors equipped with plain slide valves; 12" and 14" stroke with double-port balanced slide valve.



Single Stage Duplex Steam Driven Air Compressor

Steam Driven
Single Stage Duplex
Two Stage Duplex
Two Stage Compound

Quoted upon request.

"C-P" Portable Vertical Gasoline Driven Compressors

The demand for this type of Portable Air Power Plant has grown tremendously amongst Contractors of all kinds, steel Erectors, Bridge-Builders, Public Utility Companies and the like.

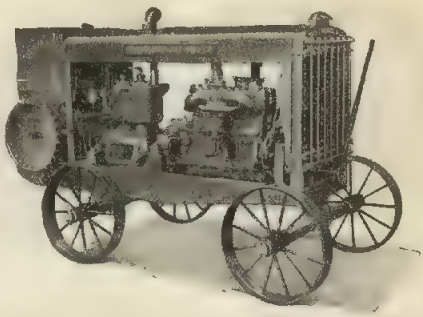
Can be brought to the job quickly and set in operation as soon as the tools can be attached to the hose.

Simple and easy to operate—Skilled attention is not required—Any one who knows how to run an Automobile or truck engine can operate this Compressed air plant.

Will operate Rock Drills, Concrete Breakers, Riveting, Chipping, Scaling or Calking tools, Sand Blast, etc.

Each Unit is Complete in itself—with Compressor, Gasoline Engine, Cooling System, Fuel tank, Air tank with Connections etc. all ready to run.

The Compressor is of the Vertical, Single-acting Duplex type and self-oiling with Simplate flat disc air valves.



100 Cu. Ft. Machine Mounted With Steel Wheels. Note—Frame is a rigid one-piece steel casting has canopy top and steel sides which lock in place.

The Engine is a heavy duty four cylinder with speed governor and starting lever of the ratchet type for easy starting—has more leverage than a crank.

Flexible Coupling between Engine and Compressor except on largest size which has a Clutch.

Cooling—Water, circulated by the engine pump through a cellular radiator of large capacity cooled by a fan, serves to cool both engine and compressor. The radiator core is built in several sections, and is protected by steel bars as shown in the accompanying illustrations.

Regulation -The air supply is regulated by means of the Differential Unloader acting in conjunction with Simplate Unloading Inlet Valves. When the pressure in the receiver reaches a predetermined point the Differential Unloader allows air from the receiver to pass to the Unloading Inlet Valves holding them open and causing the compressor to operate unloaded. When the pressure in the receiver has dropped sufficiently, the Differential Unloader operates, venting the air from the valves and causing compression to be resumed.

An ingenious device, the Auto-Pneumatic Throttle, operating in conjunction with the Differential Unloader, slows the engine down to an idling speed during the unloaded periods and causes the engine to speed up just prior to loading up of the compressor so that the load is picked up by the engine without stalling. Such operation results in an appreciable saving of fuel and increased life of the machine.

Class	Piston Displacement Cu. Ft. Free Air per Minute	R.P.M.	Cylinders				Style of Drive	Maximum Air Pressure, Lbs. per Sq. In.	H.P. Developed		List Prices, F.O.B., Franklin, Pa.			
			Air		Gas									
			Bore, Inches	Stroke, Inches	Bore, Inches	Stroke, Inches			At 80 Lbs. Pressure	At 100 Lbs. Pressure	Standard Portable Type, with Steel Wheels	Standard Portable Type, with Solid Rubber Tired Wheels and Plain Bearings	Mounted on CP Trailer*	†Semi-Portable Skid-Mounted Type with Top and Sides
P6-DGL	100	800	5¼	5	3⅜	5½	Coupling	. . .	15	16	$2025	$2119	$2375	$1924
P2-DGL	128	600	6¼	6	5	6	Coupling	150	17½	19	2300	2625	3037	2294
P2-DGL	160	600	7	6	5	6	Coupling	150	22	24	3150	3275	3687	2964
P2-DGL	210	600	8	6	5½	7	Clutch	125	31	33	3375	3500	3912	3188

Standard equipment includes Differential Unloader with Three-Way Valve, Auto-Pneumatic Throttle, Speed Governor for engine, complete set of wrenches and receiver for maximum working pressure of 125 lbs per sq in. Standard Receiver is satisfactory everywhere except in Massachusetts.

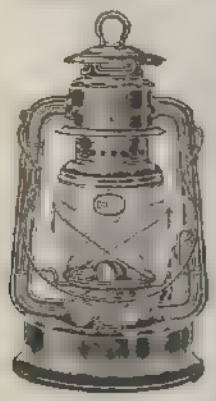
*CP Trailers are regularly provided with springs, solid rubber tires, Timken Roller Bearings and Alemite Lubricating System; also, on all sizes except the 5½x5, with internal drum brakes on the rear wheels.

†When mounted by customer on Ford or other truck, the skids are omitted List price, same as for semi-portable.

LANTERNS

DIETZ
D. Lite.

The short globe type of lanterns with the exposed wick directly accessible for cleaning, trimming and lighting. They can be filled, lighted and regulated without removing globe. Dome shaped solderless oil founts; heavy gauge cross wire globe guards; polished steel bail hooked into patent brass eyelets.



D. Lite, Large Fount.

Bright tin finish; No. 2 Dietz special burner; 1 inch wick; side lift; upright bail.

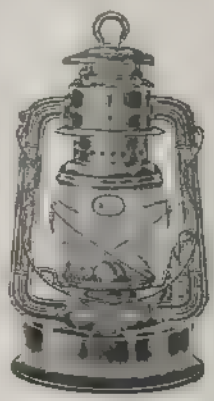
Special features of this lantern are the extra large fount and the patented "Loc-Nob" globe. The globe actually locks fast, and will not drop out when globe holder is tipped back.

Per Doz

No. 2DDL—Height over all with bail down 13½ ins; oil fount capacity 32 ozs; 10 candle power $47 25

(**Sold in full carton lots only.**)

Half doz in carton; wt per doz 42 lbs.



DIETZ
D. Lite.

Bright tin finish; No. 2 Dietz special burner; 1 inch wick; side lift; large filler cap.

Per Doz

No. 2DD—Height over all with bail down 13½ ins; diam base 6½ ins; oil pot capacity 23 ozs; will burn from 20 to 25 hours $43 50

(**Sold in full carton lots only.**)

Half doz in carton; wt per doz 37 lbs.

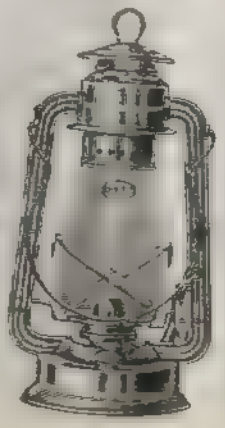
DIETZ
Little Wizard, Cold Blast.

Bright tin finish; No. 1 Dietz special burner; inch wick; side lift; large filler cap.

Height over all with bail down 11½ inches; diameter base 4½ inches; oil pot capacity 16 ozs; will burn from 18 to 22 hours.

No.	1DWJ
Less than case, Per Doz	$27 00
Full cases, Per Doz	25 50

One doz in carton; wt per doz 24 lbs.



DIETZ
Blizzard, Cold Blast.

No. 2 Dietz special burner, 1 inch wick, brass wick slide steel burner cone, heavily retinned; inside lift; 9 gauge polished steel wire bail.

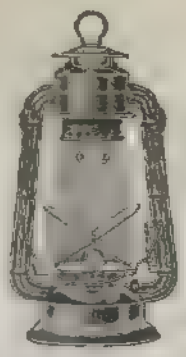
Per Doz

No. 2DB—Height with bail down 15¾ ins; diam base 6¾ ins; oil pot capacity 23 ozs, will burn from 20 to 25 hours $43 50

(**Sold in full carton lots only.**)

Half doz in carton; wt per doz 40 lbs.

LANTERNS



DIETZ
Junior Cold Blast.

Made on the genuine "Cold Blast" principle producing a very bright light Cannot be blown out by the wind or extinguished by dropping and shaking.

Inside lift; 10 gauge polished steel wire bail; C. B. burners; ⅝ inch wick.

Height with bail down 11¾ ins; diam base 5½ ins; oil capacity 14 ozs; will burn from 13 to 15 hours; can be filled without removing globe.

No.	50S
Finish	Plain tin
Less than case lots, Per Doz	$25 20
Full case lots, Per Doz	24 00

One doz in carton; wt per doz 23 lbs.

DIETZ
Dietz Junior Side, Cold Blast.

Japanned black; bright tin corrugated reflector; bull's eye lens; the lens is not part of the globe but is separate and held in focus by heavy wire; reflects a light of 10 candle power.

Lamp is provided with secure fastener for use on left hand side of vehicle. Lights the road ahead, shines a red light through ruby lens in rear.

No. 1 Dietz special burner; ⅝ inch wick; brass wick slide; steel burner cone heavily retinned; inside lift; 9 gauge polished steel wire bail.

Height with bail down 12 ins; diam base 5 ins. Oil pot capacity 14 ozs; will burn from 31 to 15 hours; can be filled without removing globe.

No.	1DSD
Less than case lots, Per Doz	$54 75
Full case lots, Per Doz	51 75

Half doz in carton; wt per doz 42 lbs

DIETZ
Monarch, Tubular.

No. 1 Dietz special burner, ⅝ in. wick, brass wick slide; steel burner cone heavily retinned. Inside lift; 9 gauge polished steel wire bail.

Per Doz

No. 0DM—Height with bail down 12½ ins; diam base 5¼ ins; oil pot capacity 16 ozs; will burn 20 to 25 hours $27 00

(**Sold in full carton lots only.**)

One doz in carton; wt per doz 28 lbs.

DIETZ
Buckeye Dash, Tubular.

Japanned black with dash attachments. May be used as a wall lamp and has a bail for use as a hand lantern. Has a tin corrugated reflector. Gives a reflected light of over 10 candle power.

No. 1 patent steel burner; ⅝ inch wick; brass wick slide, steel burner cone, heavily retinned; outside lift; 9 gauge polished steel wire bail.

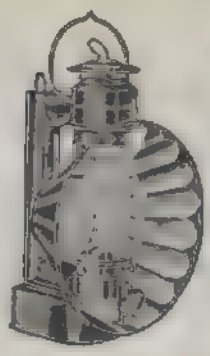
Per Doz

No. 0DD—Height with bail down 13 ins; diam base 5¼ ins; oil pot capacity 16 ozs; will burn from 20 to 25 hours $46 50

(**Sold in full carton lots only.**)

Half doz in carton; wt per doz 40 lbs.

LANTERNS



DIETZ, No. 30 BEACON LIGHT

Made on the Cold Blast principle; painted green, with white reflector, 7 inches deep and 12 inches in diameter; fitted with blizzard patent steel burner; 1 inch wick. Full weight selected globe; heavy wire bail. Wire height 15 inches.

Oil capacity 41 ozs; will burn 25 hours.

Per Doz

No. 30—Wt per doz, 100 lbs ... **$102 00**

Quarter doz in wood box.

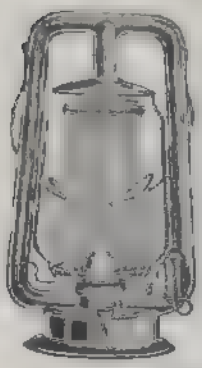
DIETZ, SCOUT

Tin; bright finish; practical and will burn steadily in wind and storm. Reflected light by test 1c. power; ⅝ inch wick; Dietz burner No. 561.

Per Doz

No. DSL—Height over all 7¾ ins; fount capacity 10 hours **$18 00**

One doz in case; wt per doz 11 lbs.



PAULL'S
Tubular.

No. 1 burner, ⅝ inch wick, steel wick slide and burner cone heavily retinned; inside lift; 10 gauge polished steel wire bail.

Height with bail down 14 inches; diameter of base 7¾ inches. Oil pot capacity 16 ounces; will burn from 20 to 25 hours. Can be filled without removing globe.

Sold only in full case lots. Per Doz

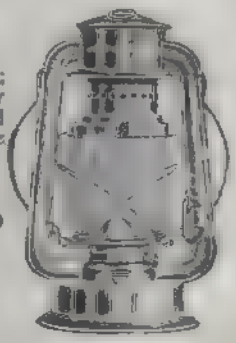
No. 0—Regal with No. OW white globe; 1 doz in case **$22 50**

No. OR—With No. OR genuine ruby globe; 1 doz in case **29 25**

(Sold only in full case lots).

Wt per doz 40 lbs.

PAULL'S
Short Globe, Cold Blast.



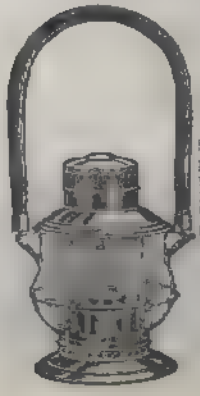
No. 2 Cold Blast burner; 1 inch wick; steel wick slide and burner cone, heavily retinned; inside lift; 9 gauge polished steel wire bail.

Per Doz

No. 220—Bright tin fount; height with bail down 13½ ins; oil pot capacity 23 ozs; will burn from 20 to 25 hours **$33 90**

Half doz in case; wt per doz 32 lbs.

(Sold only in full case lots).



ADAMS AND WESTLAKES
Switchman's

No. 1 burner, ⅞ inch wick, steel wick slide and burner cone, heavily retinned, removable top globe holder, perfect ventilation. Equipped with No. 39 W1 Railroad lantern globe and detachable bent wood rigid bail.

Per Doz

No. 90—Height with bail down 8½ ins; diam of base 5½ ins, capacity of oil fount 16 ozs **$81 00**

Three doz in crate; wt each 2 lbs.

DRIVING LAMPS

DIETZ EUREKA

Lamp finished in black enamel with nickel plated door rim; has a 3 inch convexed lens; 2¼ inch ruby rear lens; complete with dash clamp bracket.

The oil fount holds an oil supply for 10 hours burning.

Diam base 3 ins; height over all 7¼ ins; size wick ⅝ in.

Left Hand. Per Doz

No. DEDL—Wt per doz, 26 lbs **$57 00**

One doz in wood case.

LANTERN BURNERS

—BLUE GRASS—

For Kerosene lanterns. Locked in tinned steel burner with rising cone.

Per Doz

No. BG01—For Blue Grass lanterns Nos. BG0, BG11 and BGD, size wick No. 1, ⅝ in. wide **$2 52**

No. BG2C—For Blue Grass lanterns Nos. BG22L, BG22, and BG2CB, size wick No 2, 1 in. wide **3 60**

One doz in cardboard box; fifty doz in wood case; wt per doz ⅜ lb.

Fits the following lanterns; Little Wizzard No. 1DWJ, Junior Cold Blast No. 508, Junior Side Blast No. 1DSD, Monarch No. ODM and Buckeye Dash No. ODD. Made of steel tinned winged lock cone.

Per Doz

No. 201—Takes No. 1 wick, ⅝ in. wide **$2 52**

One doz in carton; wt per doz 1¼ lbs.

Fits the following Lanterns: D. Lite No. 2 DD, D. Lite No. 2 DDL, Blizzard Cold Blast No. 2 DB and Beacon Light No. 30. Made of steel tinned winged lock cone.

Per Doz

No. 262—Takes No. 2 wick, 1 in. wide **$3 75**

One doz in carton; wt per doz 2 lbs.

TUBULAR

For kerosene lanterns; made of steel, removable cone, taper collar.

Per Doz

No. 1T—Takes No. 1 wick, ⅝ in. wide **$1 89**

No. 2T—Takes No. 2 wick, 1 in. wide **2 52**

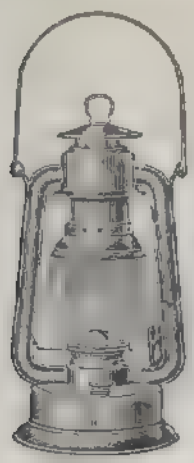
One doz in cardboard box; fifty dozin wood case; wt per doz about ⅜ lb.

LANTERNS

—BLUE GRASS—

Our present line of **Blue Grass** lanterns have been selected with the utmost care.

While most attractive in appearance we have considered their light giving properties and their substantial construction as of prime importance, eliminating fancy frills and doubtful talking points which add nothing but extra cost to dealer and consumer.



Cold Blast.

IX bright charcoal tin; No. 2 cold blast steel burner; 1 inch wick; short globe; side lift; large brass filler cap; positive standing bail; extra large fount.

Per Doz

No. BG22L—Diam base 8 ins; height over all with bail down 14¾ ins; 10 gauge steel wire bail; oil capacity 2 pts; will burn 48 hours..... $43 50

(Sold in full case lots only.)

Half doz in carton; wt per doz 40 lbs.

Cold Blast.

IX bright charcoal tin; No. 2 cold blast steel burner; 1 inch wick; short globe; side lift; large filler cap; positive standing bail.

Diameter base 7 inches; height over all with bail down 14¼ inches; 10 gauge steel wire bail; oil capacity 1½ pints; will burn 35 hours.

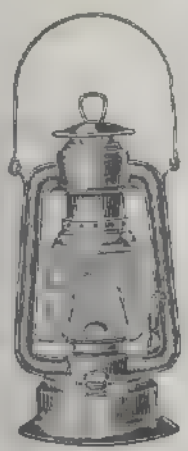
Per Doz

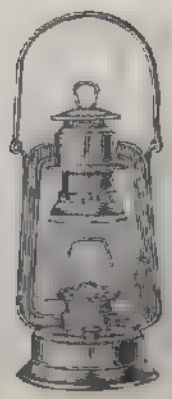
No. BG22—IX bright charcoal tin fount; wt per doz 38 lbs . $39 60

No. BG32—Brass fount; wt per doz 37 lbs..... 51 75

(Sold in full case lots only.)

Half doz in carton.





COLD BLAST JUNIOR

IX bright charcoal tin; No. 1 cold blast steel burner; ⅝ inch wick; cold blast globe; positive standing steel wire bail; side lift; large fount and filler cap; patented top and fluted globe plated.

Per Doz

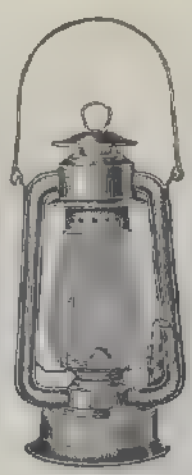
No. BG11—Diam base 6¼ ins; height with bail down 12¼ ins; oil capacity 1 pt; will burn 21 hours $27 00

(Sold in full case lots only.)

One doz in carton; wt per doz 26 lbs.

LANTERNS

—BLUE GRASS—



Cold Blast.

IX bright charcoal tin; No. 2 cold blast steel burner; 1 inch wick; side lift; large filler cap; positive standing bail.

Per Doz

No. BG2CB—Diam base 6¼ ins; height over all with bail down 15 ins; 10 gauge steel wire bail; oil capacity 1¼ pts; will burn 30 hours.....$37 80

(Sold in full case lots only.)

Half doz in carton; wt per doz 40 lbs.

Dash, Cold Blast.

IX charcoal tin, enameled red. No. 2 cold blast steel burner; 1 inch wick; side lift; large filler cap; poistive standing bail; bull's eye globe; dash attachment; polished tin reflector.

Diam base 6¼ ins; height over all with bail down 15 ins; 10 gauge steel wire bail; oil capacity 1¼ pts; will burn 30 hours.

No.	BG2D
Wt doz, lbs	50
Less than case lots, Per Doz	$53 25
Full case lots, Per Doz	51 00

Half doz in carton.

Tubular.

Bright charcoal tin. No. 1 steel burner; ⅝ inch wick; side lift; large filler cap.

Diam base 6¼ ins; height over all with bail down 13¼ ins; 10 gauge wire bail; oil capacity 1 pt; will burn 20 to 25 hours.

Per Doz

No. BG0½—Half doz in case... $24 45

No. BG0-1—One doz in case... 23 70

(Sold in full case lots only.)

Wt per doz 30 lbs.

Dash, Tubular.

IX tin, enameled red. No. 1 steel burner; ⅝ inch wick; side lift; large filler cap; plain globe; polished tin reflector.

Per Doz

No. BG0D—Diam base 6¼ ins; height over all with bail down 13¼ ins; 10 gauge wire bail; oil capacity 1 pt; will burn 25 hours.....$37 80

(Sold in full case lots only.)

Half doz in carton; wt per doz 35 lbs.

LANTERN GLOBES

SHORT GLOBE

Will fit all No. 2 Short Globe lanterns. Height 4⅝ inches; diameter base 3⁷⁄₁₆ inches; diameter top 4¹⁄₁₆ inches.

Clear.

Nos.	2NSG1	2NSG5
Doz in case	1	5
Wt per case, lbs	10	46
Per Case	$3 30	14 25

(Sold in full case lots only).

GENUINE RUBY

Nos.	2RNSG1	2RNSG5
Doz in case	1	5
Wt per case, lbs	10½	55
Per Case	$8 30	42 00

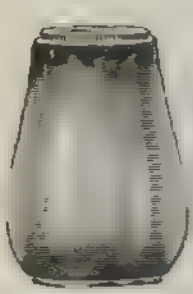
(Sold in full case lots only).

For Dietz Little Wizard Lantern.

Per Case

No. WJ-1—Height 3⅞ ins; diam base 2¾ ins; diam top 3¼ ins; wt per doz 6 lbs. $3 30

One doz in carton.



COLD BLAST

Height 6¾ ins; diam base 3½ ins; diam top 2¹⁵⁄₁₆ ins.

Clear.

Nos.	2WCB1	2WCB5
Doz in case	1	5
Wt per case, lbs	12	54
Per Case	$3 30	14 25

(Sold in full case lots only).

GENUINE RUBY

Nos.	2RCB1	2RCB5
Doz in case	1	5
Wt per case, lbs	12	65
Per Case	$9 45	44 25

(Sold in full case lots only.)

JUNIOR COLD BLAST

Per Case

No. IGW1—Fits Dietz Junior, Pony, Gem and U. S. Tubular; height 5½ ins; diam base 2¹⁵⁄₁₆ ins; diam top 2⁵⁄₁₆ ins; wt per doz 8 lbs $3 30

(Sold in full case lots only).

One doz in carton.

RIVAL—Clear.

For No. BGII Lantern.

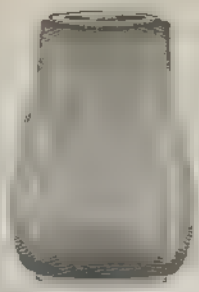
Per Case

No. II-1—Height 4½ ins; diam base 2⁵⁄₁₆ ins; diam top 3¼ ins; wt per doz 8 lbs. $3 30

(Sold in full case lots only).

One doz in carton.

LANTERN GLOBES



TUBULAR

Height 6¾ inches; diameter base 3⅛ inches; diameter top 2¹⁵⁄₁₆ inches.

Clear.

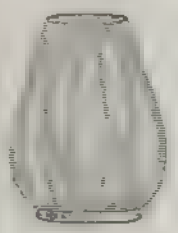
Nos.	0W1	0W5
Doz in case	1	5
Wt per case, lbs	11	50
Per Case	$3 30	14 25

(Sold in full case lots only).

Genuine Ruby.

Nos.	0R1	0R5
Doz in case	1	5
Wt per case, lbs	11	50
Per Case	$9 45	44 25

(Sold in full case lots only).



RAILROAD

Height 5½ ins; diam base 3¼ ins; diam top 2½ ins; wt per doz 12 lbs.

Per Case

No. 39W1—Clear $4 05

Genuine Ruby.

No.	39R1
Less than case lots, Per case	$13 50
Case lots, Per case	12 00

Will break case in railroad ruby only.

(Sold in full case lots only).

One doz in case.

COLD BLAST, Ruby. SECONDS

Genuine ruby, but not uniformly colored and are listed as seconds. They are ideal for road and construction work. Height 6¾ inches; diameter base 3½ inches; top 2¹⁵⁄₁₆ inches.

Per Case

No. 2RCB-SEC—5 doz in case; wt per case 54 lbs. $23 55

(Sold in full case lots only).

NU-STYLE, Ruby. SECONDS

Genuine ruby, but not uniformly colored and are listed as seconds. They are ideal for road and construction work. Height 4½ inches; diameter top 3¼ inches; bottom 2¾ inches.

Per Doz

No. 2RNSG-SEC—5 doz in case, wt per case 40 lbs. $23 55

(Sold in full case lots only).

LANTERNS

SUPREME

COLD BLAST

Bright tin; solidly constructed, wind proof, wear proof, cold blast lantern. Has a brilliant steady flame; large brass oil filler, perfect combustion. Convenient to operate. Equipped with a dome shaped solderless oil fount, positive standing bail; globe protected by tin wire globe guards, locked-in rising cone, safety burner, with one inch exposed wick, which may be cleaned, trimmed and lighted with ease. Thoroughly tested by experts.

Nos.	Burns, Hours	Height Overall, Inches	Weight, per Dozen, Lbs.	Per Dozen
240	35	15	30	$26.00
242	48	15	32	28.00

One-half Dozen in a Case

LANTERNS

SUPREME—HOT BLAST

Are solidly constructed of bright tin, and most durable and convenient hot blast lanterns made. Equipped with an inside lift and large, well placed brass oil filler. Are very easy to light and fill. A 5/8 inch wick is furnished in each lantern. Has all the latest improvements including positive secured locking globe lift, safety locked-in burner, dome shaped solderless oil fount, and stamped tubes. Also equipped with a safety wing lock; plain globe which is protected by tin wire globe guards. Patented. Made and tested by experts. Burns 30 hours.

Per Dozen

No. **210**—Height Overall, 13¾ Inches; Weight, per Dozen, 48 Lbs. **$16.00**

No. **211**—Same as No. 210 but with No. 0 Ruby Globe **20.50**

One-half Dozen in a Case

COLD BLAST

This is the standard short globe, cold blast style, inside lift lantern. Made of bright tin. Equipped with a dome shaped solderless oil fount, with large brass oil filler, special cold blast tubes, perfect starting bail, locked-in, safety rising cone burner, with one inch wick exposed for easy lighting, trimming and cleaning, and will hold its white 10 c. p. light giving power against the severest wind. Globes are protected by tin wire globe guards. Burns 35 hours. Patented. Made and tested under most exacting conditions.

Per Dozen

No. **160**—Height overall, 14¾ Inches; Weight, per Dozen, 28 Lbs. **$26.50**

One-half Dozen in a Case

VEHICLE LANTERNS

MIDGET—COLD BLAST

Well constructed of bright tin black enameled. A cold blast vehicle lantern furnished with bracket and has a red warning signal to comply with night light laws; 2½ inch ruby lens. Gives a steady, dependable light of six candle power. Absolutely wind proof; has all very latest patented improvements. Positive inside globe lift, locked-in safety burner, security bail, cone shaped solderless oil fount with brass filler, and 5x.. wick. Also equipped with a safety wing lock. Patented. Made and tested under most exacting conditions. Burns 24 hours.

Per Dozen

No. **130**—Height Overall, 12½ Inches; Weight, per Dozen, 32 Lbs. **$34.50**

One-half Dozen in a Case

COLD BLAST
EXTRA LARGE FOUNT

Bright tin; standard short globe cold blast style inside lift lantern. Has extra large special oil fount. Equipped with rising cone, locked-in safety burner, and one inch exposed wick, directly accessible for cleaning, lighting and trimming. Gives 48 hours of continuous 10 c. p. brilliant white light; is absolutely wind proof. Globes are protected by tin wire globe guards. Also equipped with a safety wing lock. Every single part is hand finished; exclusively designed. Patented. Made and tested under most exacting conditions.

Per Dozen

No. **162**—Height overall, 14½ Inches. Weight, per Dozen, 30 Lbs. **$28.00**

One-half Dozen in a Case

SUPREME HOT BLAST

Are solidly constructed, most durable and convenient hot blast lanterns made. Equipped with an inside lift and large, well placed brass oil filler. Are very easy to light and fill. A wick in each lantern. Has all the latest improvements including positive secured locking globe lift, safety locked-in burner, dome shaped solderless oil fount, and stamped tubes. Also equipped with a safety wing lock, and plain globe. Enameled red. Patented. Made and tested by experts. Burns 30 hours.

Per Dozen

No. **215**—Height Overall, 13¾ Inches; Weight, per Dozen, 30 Lbs. **$28.00**

One-half Dozen in a Case

LANTERNS
DIETZ

HY-LO—HOT BLAST

An inexpensive lantern for general use by contractors, public works, railroads, sewers, dam builders, etc. Strong construction with oval tubes; bright tin finish; to light simply lift —there are no levers. Equipped with Loc-Nob globe.

Gives a 4-candlepower light and has a fount capacity of 20 hours.

Per Dozen

No. HWO—White Globe—Height, 13½ Inches, Size of Wick, ⅝ Inch, Weight per Doz., 36 Lbs. . **$12.60**
No HRO—Ruby Globe—Same as No. HWO, Except with Ruby Globes **15.95**

One Dozen in a Case

VICTOR HOT-BLAST

Square tubes beaded vertically to provide stiffness; positive locking lever globe lift; dome-shaped solderless oil fount; safety wing lock, hot-blast burner; large oil filler, bright tin finish. Equipped with Loc-Nob globes and tinned wire globe guards.

Gives a 4-candlepower light and has fount capacity of 20 hours.

Per Dozen

No. VO—Height, 13½ Inches; Size of Wick, ⅝ Inch, Weight per Dozen, 38 Lbs. **$12.60**

One Dozen in a Case

BLIZZARD—COLD-BLAST

Large size lantern of the high globe, cold-blast type. It has reinforced tubes, with a specially braced lift guide, and is fitted with Loc Nob globes. The Loc-Nob positively prevents the globe from slipping out of the retaining guard when tipped back. Dome-shaped fount with large oil filler, wing lock cone burner. Gives a 10-candlepower light and burns 20 hours on one filling. Bright tin finish.

Per Dozen

No. B2—Height, 14¾ Inches; Size of Wick, 1 Inch, Weight per Dozen, 52 Lbs. **$19.95**

One-half Dozen in a Case

LITTLE WIZARD -COLD-BLAST

A small lantern of the cold-blast type, equipped with Loc-Nob Little Wizard globe. This globe is wide enough to admit a hand to be thrust inside for cleaning. Sturdy construction, with reinforced tubes and braced lift guide, bright tin finish. Much used by Boy Scouts and campers.

Gives a 6-candlepower light and has a fount capacity of 20 hours.

Per Dozen

No. LWO—Height, 11½ Inches; Size of Wick, ⅝ Inch; Weight per Dozen, 33 Lbs. **$15.35**

One Dozen in a Case

LANTERNS
DIETZ

MONARCH -HOT BLAST

Strongly constructed. Beaded round tubes; positive locking lever globe lift; dome-shaped solderless oil fount; safety wing lock; hot blast burner, large oil filler, bright tin finish. Equipped with Loc-Nob globe and tinned wire globe guard.

Gives a 4-candlepower light and has fount capacity of 20 hours.

Per Dozen

No. M H B—Height, 13½ Inches; Size Wick, ⅝-Inch; Weight per Dozen, 23 Lbs. **$12.60**

One Dozen in a Case

JUNIOR COLD BLAST

Strong, compact, small size lantern, of the cold blast type. It has reinforced tubes with a specially braced lift guide and takes No. 2 Junior globe; dome-shaped fount with large oil filler, patented steel burner.

Gives a 6-candle power light and has fount capacity of 15 hours.

Per Dozen

No. JBT—BRIGHT TIN. Height, 12 Inches; Size Wick, ⅝ Inch; Weight per Dozen, 21 Lbs. . **$13.35**
No. JB—BRASS. Same as No. JBT but Made of Brass. Weight per Dozen, 21 Lbs.. . **24.95**

One Dozen in a Case

CRESCENT -COLD BLAST

Large size lantern of the high-globe cold-blast type. Strongly constructed with oval tubes, safety wing lock; patented steel cold-blast burner. Equipped with Fitzall globe and tinned wire globe guards. Bright tin finish.

Gives 10-candle power light and has fount capacity of 20 hours.

Per Dozen

No. 2C—Height, 15 Inches; Size Wick, ⅝ Inches. Weight per Dozen, 28 Lbs... . . . . **$19.95**

Half Dozen in a Case

DASH LANTERNS
DIETZ

BUCKEYE—HOT BLAST

A handy dash or hand lantern that can be hung anywhere on the vehicle or used as wall lantern. Equipped with Fitzall globe. Strongly constructed of tin, black enameled. Has bright corrugated tin reflector, magnifying lens in front; large oil fount and filler and patented steel burner. Has fount capacity of 20 hours; reflected light, 10-candle power.

Per Dozen

No. BD Height, 13¾ Inches, Size Wick, ⅝ Inch; Weight per Dozen, 30 Lbs. **$21.55**

Half Dozen in a Case

LANTERNS

DIETZ

D-LITE—COLD-BLAST

Full size lantern with a short Loc-Nob D-Lite globe. The Loc-Nob feature prevents the globe from slipping out of the guard when tipped back.

Gives a powerful bright light of 10 candlepower and will burn 20 hours on one filling.

Dome shaped fount with large filler opening, reinforced tubes; braced lift guide, bright tin finish. This is a good lantern for all-around use and will stay lit in a hard wind.

Per Dozen

No. D-L2—Height, 13¼ Inches; Size of Wick, 1 Inch, Weight per Dozen, 50 Lbs. **$19.95**

One-half Dozen in a Case

LARGE FOUNT D-LITE
COLD BLAST

Equipped with an extra large dome-shaped oil fount and will burn 35 hours without refilling.

Short globe, Loc-Nob type; braced lift guide, reinforced tubes, globe tips back for lighting. Bright tin finish.

Gives a light of 10 candlepower.

Per Dozen

No. LFD2—Height, 13¼ Inches; Size of Wick, 1 Inch; Weight per Dozen, 56 Lbs. **$21.95**

One-half Dozen in a Case

STANDARD—RAILROAD

Burns signal oil only. No. 1 extra special ratchet burner. Made with solid metal bell bottom and inside oil pot, which cannot drop out. Globe and loose oil pot lift out when top of lantern is turned back on its hinges; substantial round wire globe guards and outside wick raiser. Equipped with Vulcan globe. Bright tinned steel finish. Gives a 2 candlepower light and has a fount capacity of 24 hours.

Per Dozen

No. 39—Height, 10 Inches, Size Wick, 1 Inch, Weight per Dozen, 27 Lbs. **$30.00**

One Dozen in a Case

ACME—CAR INSPECTORS
HOT BLAST

Adopted and standardized on prominent railway systems. Has high illuminating power. Frame and hood are heavily braced; a strip of flat tinned steel, well soldered, reinforces the tubes; steel wing-lock burner, silvered, 5 inch glass reflector; bail handle, and stationary handle with heat-proof grip and hang-up slot. Equipped with Fitzall globe. Fount capacity, 20 hours; reflected light, 20 candlepower. Bright tinned steel finish.

Per Dozen

No. A1—Height, 15½ Inches; Size Wick, ⅝ Inch; Weight per Dozen, 36 Lbs. **$36.50**

One-half Dozen in a Case

VEHICLE LANTERNS

DIETZ

JUNIOR—WAGON

Used on the side of vehicle, lighting road ahead and showing red danger signal to rear. Black enameled with bright corrugated tin reflector, 2¾ inch magnifying lens in front, 2¼ inch red ruby rear lens, flat side bracket, solderless oil fount; safety wing-lock burner; Dietz Junior globe. Capacity of fount, 13 hours. Gives light of 10 candlepower. In ordering, specify right or left-hand. Fits either flat or round bracket. Flat furnished.

Per Dozen

No. JW—Height, 12 Inches; Size of Wick, ⅝ Inch, Weight per Dozen, 60 Lbs. **$26.85**

One-half Dozen in a Case

ROADSTER—WAGON

A handy driving lantern of the cold-blast type. Equipped with a Little Wizard short globe which admits of easy cleaning; 2¼ inch ruby rear lens. Strongly constructed of tin, black enameled. It has a large oil fount and burns 20 hours on a filling. Throws a 10 candlepower light ahead and complies with the law by showing a red danger signal to the rear. Regularly furnished with a flat bracket, but will also fit round lamp bracket; made left-hand only.

Per Dozen

No. RW—Height, 11½ Inches; Size of Wick, ⅝ Inch, Weight per Dozen, 60 Lbs. **$28.25**

One-half Dozen in a Case

EUREKA—DRIVING AND PARKING

For light vehicles. Highly dependable small lantern with a ruby rear lens. Also used as an automobile parking lamp to save battery. The bail makes this lantern a convenient portable lamp for reading sign posts or in case of mishap on the road. Made of cold-rolled steel, black enameled with nickeled door rim; plain lens. Fount capacity, 10 hours. Specify right or left-hand.

Per Dozen

No. ED—Height, 7¼ Inches, Weight per Dozen, 26 Lbs. **$26.85**

One Dozen in a Case

OCTO—DRIVING AND PARKING

Medium size, sturdy cold-blast type. Insures steady burning of powerful white light, despite jars and jolts. Has 2¼ inch ruby rear lens and 2⅝ inch plain, door lens, positive locking oil fount and nickel plated brass burner, handy bail for portable use. Fitted with double sockets for right or left hand use. Cold rolled steel body is enameled black with nickeled door rim. Fount capacity of 10 hours and 30 candlepower light.

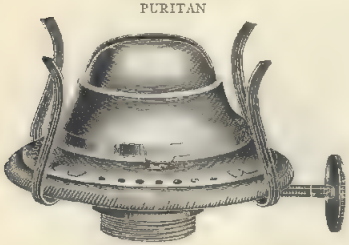
Per Dozen

No. OD—Height, 10¼ Inches; Size Wick, ¾ Inch, Weight per Dozen, 32 Lbs. **$56.30**

One-half Dozen in a Case

LAMP BURNERS

PURITAN

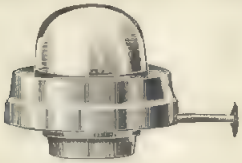


Made of brass with brass plated steel wick tube and ratchet

Nos.	For Wick, Inches	For Chimney, Inches	Weight per Dozen, Lbs.	Per Dozen
1	5/8	2 1/2	3/8	$2.00
2	1	3	1	2.25

One Dozen in a Box

TUBULAR LANTERN BURNERS



All brass with brass plated steel wick tube and ratchet.

Nos.		For Wick Inches	For Chimney, Inches	Weight per Doz., Lbs.	Per Dozen
0	(Tubular Lantern)	1		1/2	$2.00
2	(Cold Blast)	1	3	1/2	3.50

One Dozen in a Box

ILLUMINATING TORCHES

GASOLINE

Are particularly adapted for use in factories, foundries, machine shops, rolling mills, markets, etc.

Reservoir, 12 1/2 x 2 3/4 inches; japanned; capacity, 1 gallon; will burn about 11 hours. Complete with valve and burner. Suitable for use in the open air as it cannot be blown out by the wind.

Per Dozen

No. 104—Height Over All, 44 Inches; Weight per Dozen, 60 Lbs. $50.00

LAMP WICKS

LAMP AND LANTERN FLAT

Nos.	For Burner Nos.	Width, Inches	Length, Inches	Weight per Gross, Lbs.	Per Gross
L	0	1/2	8	7/8	$1.40
A	1/2	5/8	8	1 1/8	1.70
P	2	1	8	1 1/4	2.50

One Gross in a Package

CIRCULAR

For No. 2 B. & H. Burners

Per Dozen

No. BH2—Length, 7 1/2 Inches. Width Folded Flat, 2 1/2 Inches, Weight per Dozen, 1/2 Lb. . . $1.00

One Dozen in a Package

OIL STOVE—FLAT

Width, Inches	Length, Inches	Weight per Dozen, Lbs.	Per Dozen
4	8	1/2	$0.80
4 1/2	8	5/8	1.00
5	8	3/4	1.40

Three Dozen in a Package

SPORT LANTERNS

DIETZ

SCOUTS

A very small, moderate-price lantern which is practical and will burn steadily in wind or storm. Light in weight, but stoutly made. Equipped with Scout globe and globe guard. Bright tin finish, 10-hour fount capacity.

Per Dozen

No. SL—Height, 7 3/4 Inches. Weight per Dozen, 13 1/2 Lbs. $12.00

One Dozen in a Case

CADET

An unusually small but practical hand type. Will burn steadily in wind or storm. Made of brass throughout; crystal globe; wicked ready for use.

Each

No. 7 Height Over All, 7 1/4 Inches; Fount Capacity, 10 Hours; weight Each, 1 Lb. $0.50

LANTERNS

MIDGET COLD BLAST

Small in size but throws a steady dependable light of six candle power; absolutely wind-proof; positive inside globe lift; locked-in safety burner; security bail; dome shaped solderless oil fount with brass filler, bright tin; burns 24 hours on one filling.

Per Dozen

No. 124—Height Over All, 12 1/2 Inches; Weight per Dozen, 25 Lbs. $17.00

One Dozen in a Case

DOMESTIC DOLLS

K & K MA-MA DOLLS

The very highest quality doll made; extraordinary, fine, handsome and attractive clothing; beautiful composition face; full cotton stuffed body, with famous Good Quality Ma-Ma voice.

K & K MA-MA DOLL

Composition head with moving eyes, open mouth showing teeth, hair wig; composition arms and legs; cotton stuffed body; removable socks and patent leather slippers.

Dressed in rompers of assorted colored crepes, trimmed with organdy shirred in same color to match dress. Tamo Shanter hat of same material to match dress.

Per Doz

No. 40—Height 16 ins..... $123 00

One-twelfth doz in cardboard box; wt per doz 48 lbs.

K & K MA-MA DOLL

Composition unbreakable head with moving eyes and open mouth showing teeth; hair wig; composition arms and legs; cotton stuffed body; removable socks and slippers. Dressed in fine striped voile material in assorted colors, skirt and cuffs; trimmed with lace, large white lawn collar, edged with lace. White lawn picture hat with fancy shirring and double row of lace, trimmed with satin tie strings.

Per Doz

No. 42—Height 18 ins.... $144 00

One-twelfth doz in cardboard box; wt per doz 30 lbs.

K & K MA-MA DOLL

Composition arms and head with moving eyes; open mouth showing teeth; curly hair wig; cotton stuffed legs.

Finest quality soft cuddle body; removable stockings and knitted booties. Dressed in fine quality white lawn dress with fancy lace trimmed and flounces, trimmed with large satin ribbon rosettes, lace cuffs with satin ribbon insertion. Large white lawn baby cap fancy trimmed with triple row of lace, satin ribbon rosettes and tie strings.

Per Doz

No. 46—Height 18 ins.... $162 00

One-twelfth doz in cardboard box; wt per doz 36 lbs.

DOMESTIC DOLLS

K & K MA-MA DOLLS

The very highest quality doll made; extraordinary fine, handsome and attractive clothing; beautiful composition face; full cotton stuffed body; with famous Good Quality Ma-Ma voice.

K & K MA-MA DOLL

Composition unbreakable head with moving eyes and open mouth showing teeth; curly hair wig; composition arms and legs; cotton stuffed body; removable socks and slippers. Dressed in fancy organdy dress of square and polka dot design in assorted colors; lace collar and cuffs. Large Tamo Shanter hat of same material to match dress.

Per Doz

No. 48—Height 20½ ins $216 00

One-twelfth doz in cardboard box; wt per doz 48 lbs.

AUNT JEMIMA—MA-MA DOLL

Composition head and hands, cotton stuffed body, with very distinct Ma-ma voice. Dressed in flowered gaily colored dress with a white apron and shawl and a red bandanna. An exact reproduction of the well known Aunt Jemima

Per Doz

No. 1604—Height 14 ins..... $33 00

One-twelfth doz in cardboard box; wt per doz 18 lbs.

CHARACTER DOLLS

Little Red Riding Hood.

Dressed in washable red leatherette hood and cape, cotton stuffed body. Unbreakable head with painted eyes and features.

Per Doz

No. 11—Height 16 ins..... $27 00

One-twelfth doz in cardboard box; wt per doz 16 lbs.

Little Boy Blue.

Dressed in washable blue leatherette pants, blouse and hat. Unbreakable head with painted eyes and features.

Per Doz

No. 12—Height 16 ins..... $27 00

One-twelfth doz in cardboard box; wt per doz 18 lbs.

IMPORTED DOLLS

CHINA LIMBED DOLLS

Cotton bottoms; stuffed with saw-dust; glazed china head; painted hair and features; china forearms and lower limbs.

Nos.	1408	1412
Height, ins	5½	9½
Wt doz, lbs	5	8
Per Doz	$2 40	6 00

One doz in box.

KEWPIE DOLLS

Bisque; jointed at shoulders; used chiefly for parties and weddings.

Nos.	1504	1506
Height, ins	4¼	5½
Doz in box	1	1/12
Wt per doz, lbs	2½	3
Per Doz	$6 00	12 75

DOMESTIC DOLLS

DRESSED

Unbreakable composition head; stuffed body; dressed in middy and skirt; assorted colors.

Per Doz

No. 301—Height 12 ins. $6 00

One doz in cardboard box; wt per doz 6 lbs.

DRESSED

Unbreakable composition head; stuffed body; dressed in assorted colored cotton dresses; imitation stockings.

Per Doz

No. 306—Height 15 ins. $12 00

Half doz in cardboard box; wt per doz 11 lbs.

MA-MA DOLL

Composition head with painted eyes and features; cotton stuffed body; removable socks and slippers.

Dressed in rompers, assorted colored checked and flowered percale. Sun-bonnet of same material to match dress.

Per Doz

No. 15—Height 12 ins. $24 00

One twelfth doz in cardboard box; wt per doz 13½ lbs.

DOMESTIC DOLLS

MA-MA DOLL, ROMPER RUTH

Composition head with painted eyes and features; cotton stuffed body; removable socks and slippers.

Dressed in rompers, assorted checked percale. Sun-bonnet of same material to match dress.

Per Doz

No. 19—Height 17½ ins . $39 00

One-twelfth doz in cardboard box; wt per doz 27 lbs.

MA-MA DOLL

Composition head with painted eyes and features; composition legs and arms; excelsior body, removable socks and slippers.

Dressed in assorted checked percale, panty slip and cap of same material to match dress.

Per Doz

No. 17—Height 16 ins. . . . $37 50

One-twelfth doz in cardboard box; wt per doz 19 lbs.

MA-MA DOLL

Composition head with moving eyes; painted features; hair wig; composition arms and legs; cotton stuffed, body; removable socks and slippers. Dressed in organdy lace trimmed in assorted colors. Sun-bonnet of same material to match dress.

Per Doz

No. 23—Height 14 ins $60 00

One-twelfth doz in cardboard box; wt per doz 13 lbs.

MA-MA DOLL

Composition head with moving eyes; painted features; hair wig; composition arms and legs; cotton stuffed body; removable socks and slippers. Dressed in organdy, lace trimmed in assorted colors. Sun-bonnet of same material to match dress.

Per Doz

No. 25—Height 15 ins $78 00

One-twelfth doz in cardboard box; wt per doz 18 lbs

DOMESTIC DOLLS

MA-MA DOLL

Composition head with moving eyes, painted features; hair wig; composition arms and legs; cotton stuffed body; removable socks and slippers. Dressed in organdy, lace trimmed in assorted colors. Sun-bonnet of same material to match dress.

Per Doz
No. 29—Height 15 ins..... **$111 00**
One-twelfth doz in cardboard box; wt per doz 25¼ lbs.

MA-MA DOLL

Composition head with moving eyes, painted features; hair wig; composition arms and legs; cotton stuffed body; removable socks and slippers.

Dressed attractively in contrasting organdy and percale dresses. Tamo Shanter hat of same material to match dress.

Per Doz
No. 35—Height 22 ins.... **$150 00**
One-twelfth doz in cardboard box; wt per doz 43 lbs.

MA-MA DOLL, BETSY ROSS

A very high grade doll in every respect; well made attractive clothing; full cotton stuffed bodies and Best Quality Ma-Ma voice.

MA-MA DOLL, BETSY ROSS

Composition unbreakable head with painted eyes and features; hair wig; cotton stuffed body and legs; composition arms; removable socks and slippers.

Dressed in rompers, assorted colors trimmed with pocket and collar of white linen edged with fancy braid. Sun-Bonnet of same material to match rompers.

Per Doz
No. 21—Height 18 ins..... **$78 00**
One-twelfth doz in cardboard box; wt per doz 27 lbs.

DOMESTIC DOLLS

BETSY ROSS MA-MA DOLLS

A very high grade doll in every respect; well made attractive clothing; full cotton stuffed bodies and Best Quality Ma-Ma voice.

MA-MA DOLL, BETSY ROSS

Composition unbreakable head with moving eyes; painted features; hair wig; composition arms and legs; cotton stuffed body; removable socks and slippers. Dressed in finest quality of rattine basket weave material; trimmed with two pockets, collar and cuffs made of white linen edged with fancy braid. Sun-Bonnet of same material to match dress.

Per Doz
No. 27—Height 17 ins..... **$96 00**
One-twelfth doz in cardboard box; wt per doz 33 lbs.

MA-MA DOLL, BETSY ROSS

Composition unbreakable head with moving eyes; painted features; hair wig; composition arms and legs; cotton stuffed body; removable socks and slippers. Dressed in finest quality of rattine basket weave material; trimmed with two pockets, collar, cuffs and pockets are white linen edged with fancy braid. Sun-bonnet of same material to match dress.

Per Doz
No. 31—Height 19 ins... **$123 00**
One-twelfth doz in cardboard box; wt per doz 39 lbs.

MA-MA DOLL, BETSY ROSS

Composition unbreakable head with moving eyes and open mouth showing teeth; hair wig; composition arms and legs; cotton stuffed body; removable socks and slippers. Dressed in finest quality of rattine basket weave material with two pockets, collar, cuffs and pockets of white linen edged with fancy braid. Sun-Bonnet of same material to match dress.

Per Doz
No. 33—Height 20½ ins..... **$156 00**
One-twelfth doz in cardboard box; wt per doz 37 lbs.

PUSS-IN-BOOTS

Hand painted, black glazed enameled leatherette, bound with red percale; stuffed with sanitary cotton.

Nos.	0	1
Height, ins	12	15
Wt per doz, lbs	3	6
Per Doz	$12 75	25 50

No. 0, one doz in cardboard box; No 1 wrapped in heavy paper

Nos.	2	3
Height, ins	18	21
Wt per doz, lbs	21	26
Per Doz	$34 50	39 00

Wrapped in heavy paper.

TEDDY BEARS

Stuffed body, good quality soft, smooth cinnamon plush, glass eyes, jointed limbs, felt soles, stitched mouth and nose with voices.

Nos.	12	14	18
Height, ins	12	14	18
Wt per doz, lbs	6	9	12
Per Doz	$22 50	28 50	43 50

Wrapped in heavy paper.

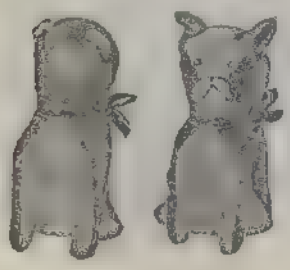
TOY ANIMAL ASSORTMENTS

Cotton stuffed body, covered with best quality grey velvet; standing position.

Per Ass't

No. 1601—Ass't consists of 6 dogs, 3 cats and 3 elephants; height of dog 4 ins; height of cat and elephant 4½ ins.. $12 75

One ass't in cardboard box; wt per ass't 3 lbs.



Cotton stuffed body, well made and covered with best quality velvet; sitting position; has ribbon around neck.

Per Ass't

No. 1663—Ass't consists of 4 dogs and 2 cats; height 11 ins.. $12 75

One ass't in carton; wt per ass't 10 lbs.

TOY ANIMALS

DOMESTIC

MONKEY

Stuffed body, covered with good quality hair cloth; glass eyes; fitted with red cap and collar, bell and rubber for hanging. Tagged with the name Tarzan. Sitting position.

Nos.	612	614
Height over all, ins	8	11¼
Wt per doz, lbs	6	10½
Per Doz	$12 75	25 50

Quarter doz in pkg.

ST. BERNARD DOG

Stuffed body, covered with long pile white plush with brown ears and tail; moving head; ribbon around neck. Sitting position.

Nos.	754	755
Height over all, ins	7½	9
Wt per doz, lbs	6	7½
Per Doz	$39 00	57 00

One-third doz in pkg

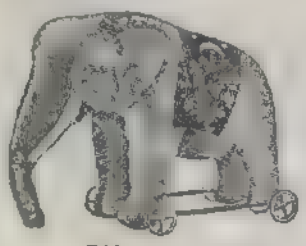
BEAR

Stuffed body, covered with short, brown pile plush, leather collar. Standing position, mounted on bronze colored wheels.

Nos.	728	730	731
Length over all, ins	10	13	15
Height over all, ins	7½	9	11
Wt per Doz, lbs	9	15	24
Per Doz	$48 00	63 00	78 00

One-sixth doz in pkg

ELEPHANT



Stuffed body, covered with short grey pile plush; red color cloth blanket with oriental decorations. Standing position mounted on bronze colored wheels.

Nos.	800	746	747
Length over all, ins	11	13	15
Height over all, ins	8	10	11½
Wt per doz, lbs	24	27	30
Per Doz	$60 00	84 00	105 00

One-twelfth doz in pkg.

POLICE DOG

Strongheart.

Stuffed body, covered with long brown pile plush with black markings; leather collar. Standing position, an exact replica of the film favorite.

Nos.	1000	1001	1002	1003
Length over all, ins	9½	11¼	12¾	14
Height, ins	11	11½	13	15
Wt per doz, lbs	13	15	16½	18
Per Doz	$48 00	78 00	96 00	141 00

One-twelfth doz in pkg.

Complete Elgin Watches

14K Green and White Gold Filled 25 Year Cases

Thin Model—Latest Designs—Beautifully Engraved

Elgin Watches Are Subject-To-A-Discount

12 size open face 14 kt. Green Gold filled 25 year fancy engraved thin model case.

No. 9W103. Fitted with 7 Jewel Elgin Movement. Each.... 15.89
No. 9W104. Fitted with 15 Jewel Elgin Movement. Each.... 19.09
No. 9W105. Fitted with 17 Jewel Elgin Movement. Each.... 21.04

12 size cushion 14 kt. Green Gold filled 25 year fancy engraved latest model case.

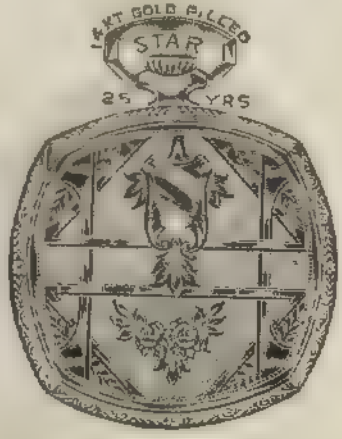
No. 9W106. Fitted with 7 Jewel Elgin Movement. Each.... 17.82
No. 9W107. Fitted with 15 Jewel Elgin Movement. Each.... 21.02
No. 9W108. Fitted with 17 Jewel Elgin Movement. Each.... 22.97

12 size Octagon 14 kt. Green Gold filled 25 year fancy engraved latest model case.

No. 9W109. Fitted with 7 Jewel Elgin Movement. Each.... 17.82
No. 9W110. Fitted with 15 Jewel Elgin Movement. Each.... 21.02
No. 9W111. Fitted with 17 Jewel Elgin Movement Each ... 22.97

12 size open face 14 kt. White Gold filled 25 year fancy engraved thin model case.

No. 9W112. Fitted with 7 Jewel Elgin Movement. Each.... 15.89
No. 9W113. Fitted with 15 Jewel Elgin Movement. Each.... 19.09
No. 9W114. Fitted with 17 Jewel Elgin Movement. Each.... 21.04



12 size Cushion 14 kt. White Gold filled 25 year fancy engraved, latest model case

No. 9W115. Fitted with 7 Jewel Elgin Movement. Each.... 17.82
No. 9W116. Fitted with 15 Jewel Elgin Movement. Each ... 21.02
No. 9W117. Fitted with 17 Jewel Elgin Movement. Each.... 22.97

12 size Octagon 14 kt. White Gold filled 25 year fancy engraved latest model case

No. 9W118. Fitted with 7 Jewel Elgin Movement. Each.... 17.82
No. 9W119. Fitted with 15 Jewel Elgin Movement. Each.... 21.02
No. 9W120. Fitted with 17 Jewel Elgin Movement. Each.... 22.97

12 SIZE ELGIN COMPLETE WATCHES

Fitted in Gold Filled Cases. Selected Popular Designs

12-Size Hunting Gold Filled Case, 5-year quality. Assorted engraved designs.

Fitted Complete with

No. 9W1. 7-Jewel Elgin Movement. Each 9.83

No. 9W2. 15-Jewel Elgin Movement. Each 13.03

As above, open face, screw back and bezel. Fitted Complete with

No. 9W3. 7-Jewel Elgin Movement. Each 9.20

No. 9W4. 15-Jewel Elgin Movement. Each 12.41

All watches are carefully examined and guaranteed to be in good running order before shipped.

12 Size, Open Face, screw back and bezel, gilt finish, fair quality case, plain polished or assorted fancy engraved designs.

Fitted Complete with

No. 9W5. 7-Jewel Elgin Movement. Each 10.07

No. 9W6. 15-Jewel Elgin Movement Each 13.28

As above, Hunting Case, Fitted Complete with

No. 9W7. 7-Jewel Elgin Movement. Each 11.52

No. 9W8. 15-Jewel Elgin Movement Each 14.72

Elgin Watches are subject to a discount. Write for confidential net price list.

12 Size Hunting Gold Filled 20-year Quality Case, fancy hand engraved designs.

Fitted Complete with

No. 9W14. 7-Jewel Elgin Movement. Each 17.50

No. 9W15. 15-Jewel Elgin Movement. Each 20.70

No. 9W52. 17-Jewel Elgin Movement. Each 22.65

As above, open face, screw back and bezel. **Fitted complete with**

No. 9W16. 7-Jewel Elgin Movement. Each 13.29

No. 9W50. 15-Jewel Elgin Movement. Each 16.49

No. 9W51. 17-Jewel Elgin Movement. Each 18.44

Our line of bracelet watches comprises the newest and most up-to-date styles at the lowest prices.

12 Size, Open Face Gold Filled 20-year Quality Case, latest model, engraved bezel assorted fancy engraved designs

Fitted Complete with

No. 9W56. 7 Jewel Elgin Movement. Each 13.39

No. 9W57. 15 Jewel Elgin Movement. Each 16.49

No. 9W58. 17 Jewel Elgin Movement. Each 18.44

12 Size Open Face Gold Filled 20-year Quality Case, octagon shape, richly engraved and engine turned effects, assorted styles.

Fitted Complete with

No. 9W35. 7 Jewel Elgin Movement. Each 15.34

No. 9W36. 15 Jewel Elgin Movement. Each 18.44

No. 9W38. 17 Jewel Elgin Movement. Each 20.39

12-Size Open Face, Gold Filled 20-yr. Qual. Case, cushion shape, richly engr., straight line effect designs.

Fitted Complete with

No. 9W53. 7 Jewel Elgin Movement. Each 15.34

No. 9W54. 15 Jewel Elgin Movement Each 18.44

No. 9W55. 17 Jewel Elgin Movement. Each 20.39

16 Size
Elgin Watches
Fitted in Nickel and Gold Filled Cases

Elgin and Waltham Watches are subject to a discount. Write for confidential net price list.

16 Size Watch, open face screw back and bezel, nickel case, plain polished

No. 9W70. Fitted complete with 7 jewel Elgin nickel movement.
Each 7.42

No. 9W71. Fitted complete with 15 jewel Elgin movement
Each 11.32

16 Size Hunting, nickel case assorted fancy engraved designs.

No. 9W72. Fitted complete with 7 jewel Elgin movement.
Each 8.40

No. 9W73. Fitted complete with 15 jewel Elgin movement.
Each 12.30

16 Size Elgin Movement, nickel, pendant winding and setting, 7 jewels in settings ruby balance jewels, exposed pallet stones, cut expansion balance, brequet hair spring with polished regulator, exposed winding wheels, patent recoiling click and self-locking setting device, dust ring, sunk second dial, nicely damaskeened.

16 Size Hunting, gold filled case, 5-year quality, assorted fancy engraved designs

No. 9W74. Fitted complete with 7 jewel Elgin movement.
Each 9.05

No. 9W75. Fitted complete with 15 jewel Elgin movement.
Each 12.95

As above, open face, screw back and bezel case.

No. 9W76. Fitted complete with 7 jewel Elgin movement.
Each 8.30

No. 9W77. Fitted complete with 15 Jewel Elgin movement.
Each 12.20

16 Size Hunting, gold filled case, warranted to wear for 10 years, assorted fancy engraved designs.

No. 9W82. Fitted complete with 7 jewel Elgin movement
Each 10.84

No. 9W83. Fitted complete with 15 jewel Elgin movement.
Each 14.74

As above, open face, screw back and bezel case.

No. 9W84. Fitted complete with 7 jewel Elgin movement.
Each 9.20

No. 9W85. Fitted complete with 15 jewel Elgin movement.
Each 13.12

No. 9W201. 16 size open face, 20 year gold filled case, screw back and bezel assorted engraved designs, with a 17 jewel Elgin movement. Each 19.09

16 Size Hunting, gold filled case, warranted to wear for 20 years, assorted fancy hand engraved designs.

No. 9W78. Fitted complete with 7 jewel Elgin movement.
Each 17.15

No. 9W79. Fitted complete with 15 jewel Elgin movement.
Each 21.05

As above, in open face, screw back and bezel gold filled case, warranted to wear for 20 years.

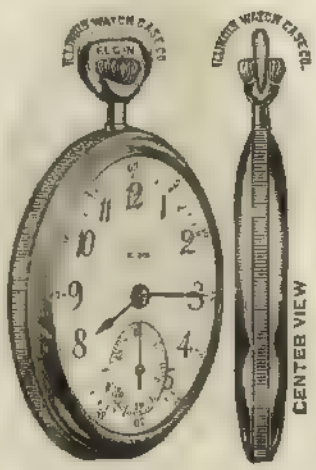
No. 9W80. Fitted complete with 7 jewel Elgin movement.
Each 12.94

No. 9W81. Fitted complete with 15 jewel Elgin movement.
Each 16.84

Elgin and Waltham Watches

17 Jewels, 12 and 16 Sizes, New Models

ELGIN WATCHES



12 Size Open Face, screw back and bezel plain polished case, thin model, warranted to wear 20 years, fitted complete with a 17 jewel Elgin movement.

No. 9W185. Each..... **17.17**

16 Size Open Face, screw back and bezel engraved case, fancy assorted designs, warranted to wear 25 years fitted complete with a 17 jewel Elgin movement.
No. 9W190. Each..... **21.37**

16 Size Open Face, screw back and bezel plain polished case, warranted to wear 25 years, fitted complete with a 17 jewel Elgin movement.
No. 9W191. Each..... **20.07**

16 Size Open Face, 10 kt gold filled plain polish swing ring case, solid back screw bezel fitted with a 17 jewel Elgin movement

No. 9W189. Each..... **19.41**

Elgin and Waltham Watches Subject to Discount

WALTHAM WATCHES

12 Size Open Face, 14 kt. green gold filled engraved border and back case fitted complete with a 17 jewel Waltham movement.

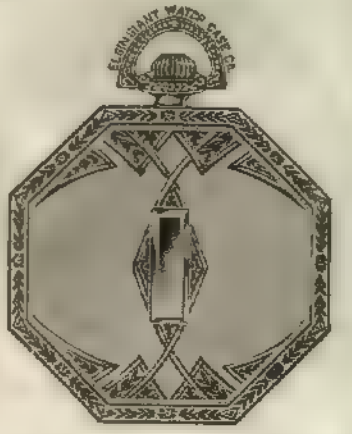
No. 9W137. Each..... **21.85**

As above, in 14 kt. white gold filled case.

No. 9W138. Each..... **21.85**

16 Size Open Face, 14 kt. gold filled engraved back and bezel case, Knurled bezel, plain, dust proof pendant, bow and crown specially designed for railroad use, fitted with a 17 jewel Waltham movement.

No. 9W141. Each..... **18.28**



12 Size Octagon, 14 kt. green gold filled engraved border, fancy back case, fitted with a 17-jewel Waltham movement

No. 9W139. Each..... **23.64**

As above, in 14 kt. white gold filled case.

No. 9W140. Each..... **23.64**

PHONOGRAPHS
EMERSON CONSOLE, TYPE

PIEDMONTE

Genuine mahogany or walnut veneered case; improved Emerson throw-back tone arm; heavy double spring motor; 12 inch beveled edge, felt turn-table, automatic stop and tone modifier, nickel plated trimmings. Height 35 inches; width 36 inches; depth 21 inches.

Nos.	34M	34W
Finish	Mahogany	Walnut
Wt each, lbs.	214	214
Less than 5, Each	243 00	243 00
5 or more, Each	218 70	218 70
List, Each	*$135 00*	*135 00*

Boxed.

LADY CHURCHILL

Genuine mahogany veneered case; improved Emerson throw-back tone arm; heavy double spring motor; 12 inch beveled edge, felt turn-table, automatic stop and tone modifier. Nickel plated trimmings. Height 35 inches; width 33 inches; depth 21 inches.

No.	30M
Finish	Mahogany
Wt each, lbs.	214
Less than 5, Each	225 00
5 or more, Each	202 50
List, Each	*$125 00*

Boxed.

PHONOGRAPHS
EMERSON, CONSOLE TYPE

WAYNE

Genuine mahogany veneered case; improved Emerson throw-back tone arm; heavy double spring motor; 12 inch beveled edge, felt turn-table, automatic stop and tone modifier. Nickel plated trimmings. Height 35 inches; width 33 inches; depth 21 inches.

No.	31M
Finish	Mahogany
Wt each, lbs.	210
Less than 5, Each	198 00
5 or more, Each	178 20
List, Each	*$110 00*

Boxed.

EMERSON, CABINET TYPE

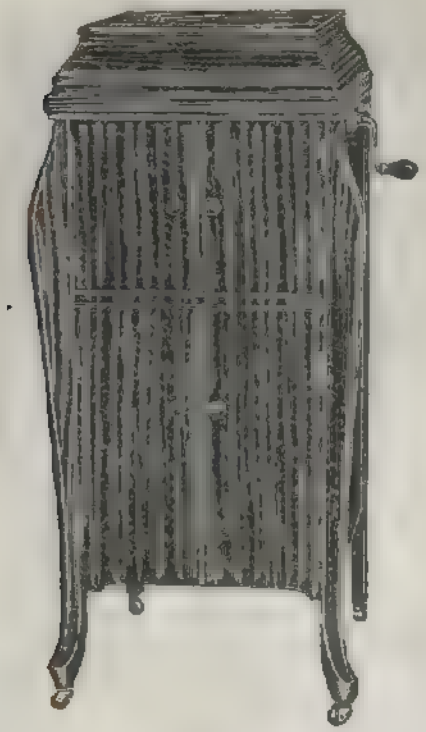
Genuine Mahogany veneered case; improved Emerson throw-back tone arm, heavy spring motor; 12 inch beveled edge, felt turn-table, automatic stop and tone modifier, nickel plated trimmings. Height 43 inches; width 18 inches; depth 20 inches.

No.	10M
Wt each, lbs	128
Less than 5, Each	$180 00
5 or more, Each	162 00

Boxed.

PHONOGRAPHS

PLAYWELL, CABINET TYPE



Genuine mahogany veneered case; standard tone chamber; improved throw back tone arm; heavy double spring motor with 12 inch felt turn table. Standard tone modifier; nickel plated trimmings. Complete with handy record shelf filing system.

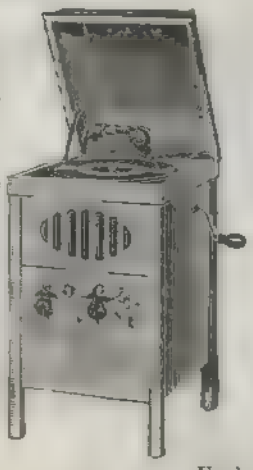
Height 43 inches; width 20 inches; depth 21 inches.

No.	2P
Wt each, lbs	130
Less than 5, Each	$155 25
5 or more, Each	148 65

Boxed.

JUVENILE PHONOGRAPHS

BABY DE LUXE



Cabinet made throughout from three-ply selected veneer, fitted together in such a manner that it will not warp or come apart. Door is decorated with a beautiful and appropriate decalcomania. All exposed parts are nickel plated. Equipped with celebrated Flyer motor; cut gears, governor gear is the approved worm type. Main spring enclosed in barrel, packed with graphite.

The Tone arm is a nickel plated die casting, same as used in expensive machines. Artois sound box which is known for its splendid and natural tone. Plays 10 in. records. Height 23 ins; width 12⅜ ins; depth 13¾ ins.

	Each	
No. 25BDE—Ivory finish	47 25	*$25 00*
No. 25BDM—Mahogany finish	47 25	*25 00*

Crated; wt each 32 lbs.

JUVENILE PHONOGRAPHS

MODEL X

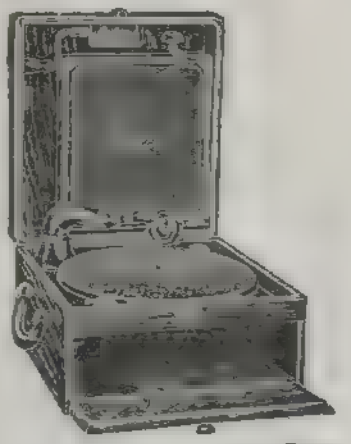
Metal cabinet provided with one spring worm gear motor; 5¼ in turn-table. High grade sound box with clear reproduction. Plays little wonder, also 7 in. records. Height 17¼ ins; width 8⅝ ins; depth 9⅝ ins. An envelope containing 50 needles packed with each machine.

	Each	
No. 8BCE—Ivory finish	18 90	*$10 00*
No. 8BCM—Mahogany finish	18 90	*10 00*

One in carton; wt each 18 lbs.

TALKING MACHINES

OUTING, SENIOR



Hardwood tone chamber and case, mahogany finish. Universal tone arm, nickel plated.

Double spring silent motor. 12 inch green felt covered turntable, permits the playing of large records without the hollow sound so noticeable when large records are played on undersized turntables. Especially designed for outdoor use, easily portable by leather handle. Complete with twelve pocket record album, securely held in top of case and two non-spill needle cups.

	Each	
No. 037—Wt each 25 lbs	69 00	*$37 50*

One in carton

OUTING, JUNIOR

Pressed steel tone chamber and case, nickel plated tone arm, plays all records. Single spring silent motor. 10 inch turntable.

Especially designed for outdoor use, easily portable by leather handle. Complete with eight record accordian back album and non-spill needle cup.

	Each	
No. 025—Golden gloss finish	46 50	*$25 00*
No. 025-M—Mahogany finish	46 50	*25 00*

One in carton; wt each 15 lbs.

PLAYWELL

Plain oak tone chamber and case, imitation leather covered, universal tone arm, plays all records. Double spring silent motor. 12 inch turntable. Especially designed for outdoor use, easily portable by leather handle. Complete with clamp in top for holding records and non-spill needle cup.

	Each	
No. 1500P—Wt each 15 lbs	46 50	*$25 00*

One in carton.

D 5

PHONOGRAPH RECORDS

GENNETT

10 Inch—Double Disc—Lateral cut with Selections on both sides.

	Each	List
ALL RECORDS IN THIS COLUMN	1 44	$0 75

STANDARD SONGS

Nos.

5062 — **Home, Sweet Home**—Taylor, Trio—Violin, Cello and Piano
WHEN YOU AND I WERE YOUNG MAGGIE

5115 — **Long, Long Ago**—Criterion Quartette—Orchestra accompaniment
THE OLD OAKEN BUCKET—Vocal Quartette unaccompanied

5430 — **My Old Kentucky Home**—Foster
CARRY ME BACK TO OLD VIRGINNY—Band, Original Central American Marimba Band

4925 — **My Old Kentucky Home**—Estelle Carey, Soprano
OLD FOLKS AT HOME

5209 — **Silver Threads Among The Gold**—Incidental Singing by Hart and Bates
ANNIE LAURIE—Mocking Bird, Old Time Medley, Frank Ferera's Hawaiian Orchestra

5429 — **When You And I Were Young Maggie**
HOME SWEET HOME—Payne Original Central American Marimba Band

SACRED SELECTIONS

4896 — **Brighten The Corner Where You Are**—Homer Rodeheaver, Baritone
IF YOUR HEART KEEPS RIGHT

4860 — **Calling Thee**—Duet—Homer Rodeheaver and Mrs. Asher
WHEN I LOOK IN HIS FACE

4861 — **Christ Died** Solo Baritone, Homer Rodeheaver
ALL THE WAY TO CALVARY

5259 — **I Know The Lord Has Laid His Hands On Me**—Homer Rodeheaver and Wiseman Quartette
GREAT DAY—Homer Rodeheaver and The Wiseman Sextette

4898 — **In The Garden** Mrs. Rodeheaver and Asher, Baritone and Contralto
MY WONDERFUL DREAM—(Pounds-Gabriel) Homer Rodeheaver, Baritone

4790 — **In The Sweet Bye and Bye**
THE CHURCH IN THE WILDWOOD.

4970 — **Jesus, Savior, Pilot Me**—Criterion Quartette
NEARER MY GOD TO THEE

5235 — **Keep on Singing**—Homer Rodeheaver
JESUS LOVES YOU.

PHONOGRAPH RECORDS

GENNETT

10 Inch—Double Disc—Lateral cut with Selections on both sides.

	Each	List
ALL RECORDS IN THIS COLUMN	1 44	$0 75

SACRED SELECTIONS

Nos.

4987 — **Laying My Treasure up There**—Homer Rodeheaver, Baritone—Orchestra accompaniment
THE UNCLOUDED DAY

4811 — **Lead Kindly Light**—Newman-Dykes
ROCK OF AGES—Criterion Vocal Quartette, Unaccompanied

4727 — **Nearer My God To Thee**—Fodens Prize Brass Band
SUN OF MY SOUL

5089 — **No Disappointment in Heaven**—Asher and Rodeheaver—Contralto and Baritone—Orchestra accom.
TAKE UP THY CROSS

4894 — **Open My Eyes That I May See**—Homer Rodeheaver, Baritone
THE OLD RUGGED CROSS—Rodeheaver, Asher Criterion Quartette

4812 — **Silver Threads Among The Gold**—Taylor Trio.
SWEETEST STORY EVER TOLD—The Stults

5285 — **Since Jesus Came Into My Heart**—McDaniel and Gabriel
CAN THE WORLD SEE JESUS IN YOU—Morris, Homer Rodeheaver, Baritone

5227 — **Somebody Cares**—Homer Rodeheaver, Baritone—Orchestra accompaniment
WHERE THEY NEVER SAY GOOD-BYE

4791 — **Stand Up Stand Up For Jesus**—Criterion Male Quartette
WHEN THE ROLL IS CALLED UP YONDER—Black

5141 — **Tell Others of Jesus**—Sung by Homer Rodeheaver Baritone, Orchestra acc
THE OLD ARK'S A MOVER IN

4911 — **There's A Light In The Valley**—Criterion Quartette
WHAT A FRIEND WE HAVE IN JESUS

BRASS BAND

4841 — **American Aviation March**—Marcia Militaire
COURE D'ARTISTA—Marcia Sinfonica—G. Iasilli's Band

5436 — **Guardes Du Corps March**—Hall 2nd REGIMENT CONN, N. Y.
MARCH—Reaves St. Matts 106th Infantry Band.

5435 — **Hands Across The Sea**—March, Sousa
THE AMERICAN ACE MARCH—Fitzgerald, Matt. Lieut. Matt's 106th Infantry Band

5342 — **Semper Fidelis March**—Sousa
LE REGIMENT DE SOMBRE ET MUESE—Turlet, French National Double March, Lieut. Matt's 106th Infantry Band

The Gallant 106th Infantry March—Matt
WASHINGTON GRAY MARCH—Grafella, Lieut. Matt's 106th Infantry Band

MONOLOGUES

5092 — **An Englishman at a Ball Game**—Comic Monologues Harry A. James
AN ENGLISHMAN'S IDEA OF AMERICAN WIT

Owing to the continual changing of Phonograph Records it is impractical to list our entire line. We at all times carry a complete stock of all latest selections. Write for booklet.

PHONOGRAPH RECORDS

REGAL

LITTLE TOTS' NURSERY TUNES

7 Inch—Double Disc—Lateral cut with Selections on Both Sides.

Book consists of 4 records 8 different selections with 8 colored picture and verse cards.

BOOK ONE

The Merry Song Book.

Consists of the following numbers:

100 **Jack and Jill** Irving Kaufman —Orchestra Acc.
OLD KING COLE—Earnest Hare—Orchestra Acc.

101 **Little Bo Peep**—Vernon Dalhart—Orchestra Acc.
MARY HAD A LITTLE LAMB—Irving Kaufman—Orchestra Acc.

102 **Rock a Bye Baby**—Vernon Dalhart Orchestra Acc.
SING A SONG OF SIXPENSE—Irving Kaufman—Orchestra Acc.

121 **I Had A Little Doggy.**
MOTHER TABBYSKINS.

Per Book
No. 1—Complete as described..... 1 89
$1 00

Six books in box.

BOOK TWO

The Happy Day Song Book.

Consists of the following numbers:

103 **Tom, Tom, The Piper's Son**—Earnest Hare—Orchestra Acc.
SIMPLE SIMON—Arthur Hall—Orchestra Acc.

104 **The Three Little Kittens**—Arthur Hall Orchestra Acc.
WHERE ARE YOU GOING MY PRETTY MAID—Vernon Dalhart—Orchestra Acc.

105 **Cock a Doodle Doo** Ernest Hare, Orchestra Acc.
OLD MOTHER HUBBARD—Vernon Dalhart—Orchestra Acc

122 **I Love Little Pussy.**
THREE LITTLE PIGS.

Per Book
No. 2—Complete as described..... 1 89
$1 00

Six books in box.

BOOK THREE

The Jolly Game Book.

Consists of the following numbers:

106 **Here We Go Around The Mulberry Bush**—Arthur Hall—Orchestra Acc.
OATS, PEAS AND BEANS

107 **London Bridge Is Falling Down**—Arthur Hall—Orchestra Acc.
THE FARMER IN THE DELL.

108 **Lazy Mary Will You Get Up**—Arthur Hall—Orchestra Acc.
TEN LITTLE INDIANS.

123 **Miss Jennie Jones.**
WATER WATER WILD FLOWERS: GO ROUND AND ROUND THE VALLEY.

Per Book
No. 3—Complete as described..... 1 89
$1 00

Six books in box.

PHONOGRAPH RECORDS

REGAL

LITTLE TOTS' NURSERY TUNES

7 Inch—Double Disc—Lateral Cut with Selections on Both Sides.

Book consists of 3 records, 6 different selections with 6 colored picture and verse cards.

BOOK FOUR

The Story Hour Book.

Consists of the following numbers:

109 **Little Red Riding Hood**—Vera Myers.
THE FROG PRINCE

110 **Cinderella** Allen Craig.
THE THREE BEARS—Vera Myers.

111 **Jack And The Bean Stalk** -Vera Myers.
TOM THUMB—Allen Craig.

124 **Puss In Boots.**
SLEEPING BEAUTY.

Per Book
No. 4—Complete as described..... 1 89
$1 00

Six books in box.

BOOK SIX

The Lullaby Book.

Consists of the following numbers:

115 **The Sandman.**
SLUMBER BOAT

116 **Go To Sleep My Little Pickaninny.**
THE DREAM MAN.

117 **Sweet and Low.**
DOLL SONG.

126 **Lullaby** (Erminie).
BIRDIES LULLABY.

Per Book
No. 6—Complete as described..... 1 89
$1 00

Six books in box.

BOOK SEVEN

The Patriotic Book.

Consists of the following numbers:

118 **Star Spangled Banner.**
COLUMBIA THE GEM OF THE OCEAN.

119 **America.**
DIXIE.

120 **Yankee Doodle.**
HAIL COLUMBIA.

127 **America.**
BATTLE HYMN OF THE REPUBLIC.

Per Book
No. 7—Complete as described..... 1 89
$1 00

Six books in box.

—OOOO—

For very latest selections of regular size Gennett Talking Machine Records, write for special catalog.

Type-Registering Beam

Warehouse Pattern

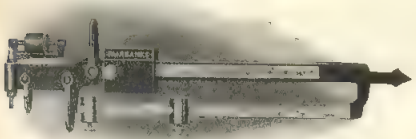
For some conditions of service it is often necessary or desirable to have one or more printed records of weights taken on a warehouse scale. Such records may be of great value throughout the various departments of a business, in figuring manufacturing or transportation costs, or in checking incoming shipments, their importance lying in the fact that the figures must be accurate and authentic, for any error of the weighman in reading or recording is positively avoided with this beam.

The beam is graduated to 1,000 x ½ lbs., up to which capacity it may be used by itself. For higher capacities, a registering counterpoise is used with 1,000 pound weights to make up the full capacity of the scale. This combination gives a complete and authentic record of the weight at any point up to the full capacity.

A special type registering ticket is provided to be inserted first in the counterpoise slot, where it receives the "thousands" figure, and then in the beam slot, where the record is completed giving the entire weighing as one figure. These slots are designed so that the ticket must always show this complete figure in proper sequence without chance of error.

The beam is of the *arrow-tip* pattern, handsomely finished with brass parts all nickel plated, making an attractive and durable outfit.

It may be furnished on any Fairbanks Warehouse Scale at an extra charge of $200.00. Type-registering beams may also be furnished for scales of higher capacity, listed upon other pages.



Full Capacity or Compound Beam

for Dormant Warehouse Scales

In some locations it is especially desirable to be able to weigh up to the full capacity of a scale without the use of loose weights. The time lost in handling such weights along with the possible error in computing their value often suggests the use of a full capacity beam as illustrated above.

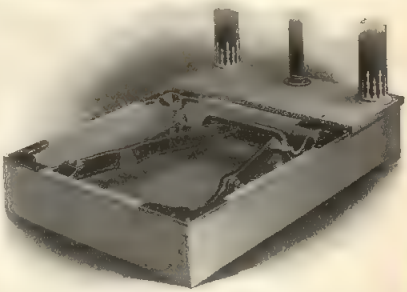
This beam has an upper bar with inlaid brass plate graduated according to the full capacity of the scale. The lower bar, entirely of brass, consists of a tare beam on the right, graduated to 350 x 2 lbs. and a fractional beam on the left graduated to 100 x 1 lbs. for all capacities. This design allows of the utmost accessibility for convenient weighing and gives any desired weight to one pound.

The beam is carefully made and each notch individually sealed with great precision. The graduated brass face is highly polished, the lower beam having brass poises with set-screws. Beam is of the *arrow-tip* pattern.

This beam may be furnished on any Fairbanks Warehouse Scale at an additional list price of $40.00.

Warehouse Scales

Regular Construction of Self-contained Scale



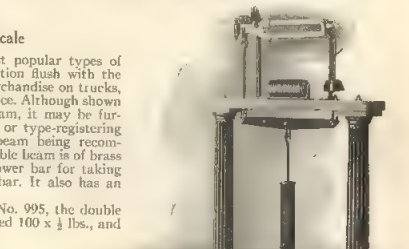
Special care has been taken to make this scale conform in every detail to the specifications and requirements of all government regulations relating to weights and measures. These features include the mechanically operated balance ball, *arrow-tip* beam, steel pivots and hardened bearings, marked nose-iron position, platform check, and a number of other special details.

In the illustration above may be seen the manner of completely enclosing the scale mechanism in a wooden box which makes this scale *self-contained* and adapted to being set directly in the floor, with its platform on the floor level. The original Fairbanks lever system is here used, the levers being suspended by means of staple loops from corner irons firmly held on top of the box.

The bearings are all of finely tempered steel especially hardened to meet the diamond-like hardness of the pivot edges, and thus to form an ideal bearing contact. The body of the pivot under Fairbanks treatment becomes a softer and tougher mass, backing up the bearing surface with a resilient cushion that absorbs the hard shocks of everyday use and thus helps to retain the fine accuracy of this scale.

This system of suspension, coupled with the easy lines of the levers themselves, the natural rest of the platform upon them, the high quality of materials used throughout, and the fine care with which all parts are made and fitted makes this a scale that is dependable because built to anticipate and overcome the effects of the hard usage of heavy weighing. All scales are finished durably and attractively and well varnished for protection.

Regular Self-contained Scale



This scale is one of the most popular types of self-contained scales for installation flush with the floor, to weigh heavy, bulky merchandise on trucks, grain in sacks, or for similar service. Although shown above with *arrow-tip* double beam, it may be furnished with full capacity beam or type-registering beam as desired, the double beam being recommended for general use. The double beam is of brass with brass set-screw poise on lower bar for taking tare and plain poise on upper bar. It also has an index counterpoise.

On all of these scales except No. 995, the double beam has the upper bar graduated 100 x ½ lbs., and the lower bar 200 x 1 lbs. On No. 995 the upper bar is graduated 100 x 1 lbs., the lower bar 200 x 1 lbs.

Durable and attractive finish, well varnished for protection.

No.	Capacity	Platform	Platform to Beam Support	List Price with D. B.
995	6,000 x 1 lbs.	60" x 54"	21"	$365.00
1035	5,000 x ½ "	48" x 49"	23"	260.00
1039	3,500 x ½ "	42" x 44"	12½"	195.00
1041	2,500 x ½ "	42" x 37"	12"	176.00
1043	1,500 x ½ "	43" x 33"	15½"	169.00

Note.—In the platform sizes above, the first figure is the dimension parallel with the beam.
Extra for Compound Beam **$40.00** Extra for Type Registering Beam **$200.00**

Warehouse Scales

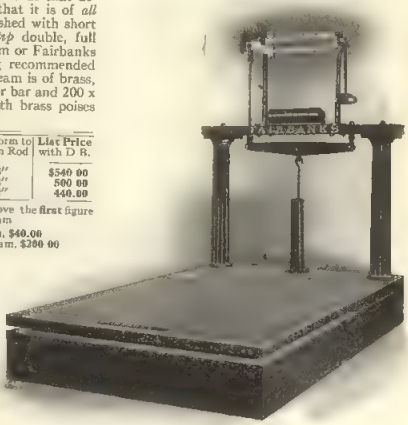
SELF-CONTAINED, ALL-METAL, SUSPENDED PLATFORM SCALE WITH SPIDER AND REMOVABLE PLATFORM

This scale is exactly the same as that described on page 25, except that it is of *all metal* construction. It is furnished with short iron pillars and with *arrow-tip* double, full capacity, type-registering beam or Fairbanks Dial, the double beam being recommended for general use. The double beam is of brass, graduated 100 x ½ lbs. on upper bar and 200 x 1 lbs. on lower bar, fitted with brass poises and index counterpoise.

No.	Capacity	Platform	Platform to Beam Rod	List Price with D. B.
10694	5000 lbs	48" x 49"	23"	$540 00
10695	3500 "	42" x 44"	12"	500 00
10696	2500 "	47" x 37"	12"	440.00

Note.—In the platform sizes above the first figure is the dimension parallel with the beam

Extra for Compound Beam, $40.00
Extra for Type Registering Beam, $200 00



SELF-CONTAINED PORTABLE SINGLE WOOD PILLAR

The above scale in addition to being portable, combines every practical feature required for the weighing of heavy bulky loads for warehouse, factory, or similar service. It is, in fact, a regular Fairbanks Self-contained Scale with single wood pillar, built strong, and with large platform to accommodate the average warehouse loads.

Wheels are regularly furnished. The *arrow-tip* beam is regularly single, of brass, graduated 100 x ½ lbs. with brass set-screw poise.

Finish, durable and attractive in blue and gold, all well varnished for protection.

No.	Capacity	Platform	Platform to Beam Support	List Price
1018	5,000 x ½ lbs.	48" x 49"	23"	$268.00

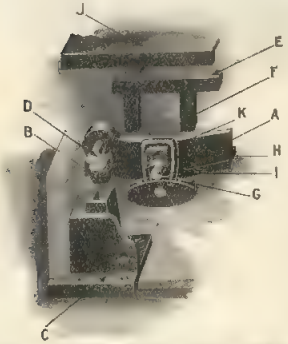
Note.—In the platform sizes above, the first figure is the dimension parallel with the beam.

Warehouse Scales

SELF-CONTAINED SUSPENDED PLATFORM SCALE WITH SPIDER AND REMOVABLE PLATFORM

This design of self-contained scale embodies the most modern, practical and desirable features ever offered for accurate and convenient weighing of heavy, bulky merchandise. The illustrations below show how the main levers (A) are supported from castings (C) built in at the corners of the box. Self-aligning bearings (B) insure the knife-edge (D) having a contact always its full length.

Over the main bearing knife-edges (I) are imposed bearing blocks (K). Encircling and suspended from bearing block is link (H), from which is suspended rocker casting (G), designed to receive the corner lugs (F) of sub-frame or spider (E). The platform proper (J) rests on sub-frame and the manner in which the parts assemble and the load is applied to knife-edge is apparent from illustration. The platform is, therefore, *suspended from* and not *imposed upon* the main knife-edges, insuring all lateral motion being absorbed before reaching the knife-edges.



The extreme platform movement is controlled by limit checks, the suspension principle of construction preventing any scraping of the bearings. A view of the assembled lever system is shown here.

The platform merely rests upon the spider (E) and may be easily lifted off for cleaning or inspecting the lever system.

This scale is adapted for installation directly in the floor, with the platform flush with the floor level. It is furnished with short iron pillars regularly and with *arrow-tip* single, double, full capacity (see page 28), or type-registering beam (see page 28) or Fairbanks Dial, the double beam being recommended for general use. The double beam is of brass, graduated 100 x ½ lbs. on upper bar and 200 x 1 lbs. on lower bar, fitted with brass poises and index counterpoise.

No.	Capacity	Platform	Platform to Beam Support	List Price with Double Beam
10080	5,000 x ½ lbs.	48″ x 49″	23″	$325 00
10081	3,500 x ½ lbs.	42″ x 44″	12″	270.00
10082	2,500 x ½ lbs.	47″ x 37″	12″	245.00
10083	1,500 x ½ lbs	43″ x 34″	13″	225.00

Note.—In the platform sizes above, the first figure is the dimension parallel with the beam.

Extra for Compound Beam	$40.00
Extra for Type Registering Beam	200.00

FIREWORKS

Our fireworks are absolutely the best and most profitable you can handle, every piece of the very highest merit.

CHINESE FIRE CRACKERS

These crackers are imported direct from China, and extraordinary care is taken to maintain the highest standard of quality possible for popular priced fire crackers so much in demand.

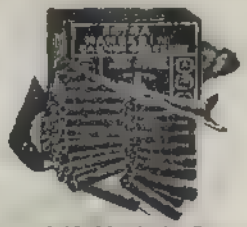
GENUINE MANDARIN

H2—Regular 200-10 pack; 10 crackers to pack; length 1⅝ inches; extra best Mandarin with attractive red label, printed in gold; 200 packs in a bundle.
Bundle 1.30
Case of 8 bundles. Bundle . . . 1.25

H4—40 40 Mandarin 2 in. cracker; hard rolled; 40 in pack, 40 packs in bundle
Bundle . . . . . OUT
Case of 8 bundles. Bundle . . OUT

TIGER CRACKERS

H3—Reg. 40-64, Gen. XX Tigers; extra quality "Yat Shing;" hard shell and choked at fuse end to increase noise, red wrapper, gold lettering; length 1¾ ins.; 64 crackers in a pack, 40 packs in bundle.
Bundle 1.00
Case of 8 bundles. Bundle 95



H8 — 40-60 Mandarin Cannon; 2 ins.; extra diameter; carefully made; attractive pack; 60 in pack; 40 packs in bundle
Bundle. 2.00
Case of 8 bundles. Bundle . . . 1.90

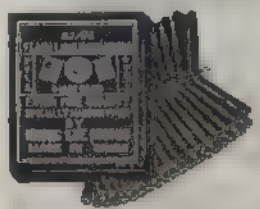
GENUINE MANDARIN

H6—Regular 40-52 Mandarin crackers; 1¾ in.; good diameter; hard rolled, 52 in a pack, 40 packs in a bundle.
Bundle 1.30
Case of 8 bundles. Bundle . 1.15

H9—Regular 40 72 Mandarin Cannon Crackers; 2 ins. long; 72 Crackers in pack, 40 packs in bundle.
Bundle 2.40
Case of 8 bundles. Bundle . . . 2.30

SOMETHING NEW—FLASHLIGHT FIRECRACKERS

KWONG KEE CHEONG BRAND



Retail 10c pack.

Loud report, with flashes of lightning when exploding

H15 — 40-50, Flashlight crackers, Kwong Kee Cheong brand; extra fine quality; 30-1¾ in. crackers in assorted color glazed paper gilt label wrapper, in pack, 40 packs in bundle.
Bundle 4.25

THE ORIGINAL THUNDER FLASH CRACKA

Extra loud report, with brilliant flash of light.

H48—The genuine original Hitt's thunder flash cracka, explodes with an extra loud report accompanied by flash of brilliant lights, 2 in.; 4 in pack, 100 packs in bundle. Bundle 3.00
Case of 8 bundles (800 packs). Case 22.80

SUPERIOR BRAND

KWONG KEE CHEONG CRACKER

Retails 10c pack

Assorted Red, Green and Yellow

H14—40-50, superior brand, extra quality 2 inch; assorted red, green and yellow in pack; 50 crackers in pack, 40 packs in Bundle 2.10

BABY OR LADY CRACKERS

H10—Regular 40-360 Golden Dragon Brand, "Wa-Shing" make; length ⅝ in.; very solid; 70 in a string, 5 strings in a pack; 40 packs in a bundle. Bundle 3.00

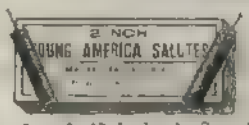
NOTHING BETTER MADE

SALUTES

All sure shots and extra loud. Made from special prepared paper; machine-crimped ends. Cannot explode prematurely or by concussion. Order these if you want the best there is in Salutes.

YOUNG AMERICA "EXTRALOUD" SALUTES

Red wrapped; 100 boxes in case



H38—2 inch (8 in box). Case 2.75

H40—4 inch (4 in box). Case 2.75

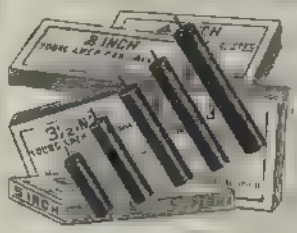
H39—3 inch (6 in box). Case 2.75

H41—5 inch (3 in box). Case 2.75

UNCLE SAM

Yellow wrapped; the most popular 5 inch salute made

H37—5 inch, yellow paper wrapped; extra loud; 100 in box.
Box (100) 1.35
Case (1000) 12.75



IDEAL SALUTE ASSORTMENT

Four sizes to case

H36—Four assorted sizes, 25 cartons of each size in case, assorted as follows:

3 inch (8 in box)	Case
3 inch (6 in box)	100
4 inch (4 in box)	Boxes
5 inch (3 in box)	2.95

SPIT DEVILS

One of the most popular sellers in the line.

H189—1 inch in diameter; 4 gross in carton (no less sold).
Gross 83
In 10 gross lots. Gross .78

Larger 2 for 5c Size

H190—1½ in. in diameter; ¼ gross in box (no less sold).
Gross 2.00
In 5 gross lots. Gross. .1.90

Extra Large 5 Center

H191—2 in in diameter; ¼ gross in box (no less sold)
Gross 4.00
In 5 gross lots. Gross 3.75

Flat Torpedo, about 1 inch in diameter; place on solid ground and scratch with sole of foot, a magic display develops, flying around, accompanied by continued reports like platoon fire.

CHINESE PUNK

H17—Length 10 inches, 12 sticks in a bundle; ⅙ bundles in pkge. 100 bundles 1.85

Put All Orders for Fireworks on Separate Order Sheet from Other Goods

TORPEDOES

The best goods only in these popular sellers; well made; uniform and all with loud reports.

JAPANESE TORPEDOES

H36 Seven torpedoes in box; 100 boxes in case. Gross 3.50

COCK O' THE WALK

H60—Safe for the smallest child. 15 torpedoes in carton, 60 cartons in case.
Dozen cartons . .88 Case....4.25

"V" SAFETY EXTRA LOUD TUBE TORPEDOES

H67—"V" Safety Torpedo, equals the report of a 5-inch cannon cracker; each torpedo wrapped in red, white and blue paper; absolutely safe; 1 gross in box; 10 gross in case. Gross ..... .88
In 10 gross lots. Gross ..... .76
(Total 7.80)

NEW GLOBE SAFETY TORPEDO

2/5 Size

H68—Round, 1 inch in diameter; explodes with an extra loud report, with a louder report, in fact, and with less effort, than any other make; 1 gross in carton; 10 gross in case. Gross..... .80
In 10 gross lots. Gross ..... .75

COLORED RED FIRES AND TORCHES

PENNY RED FIRE

H235—An excellent penny item; ¾x1¾ in. cylinder containing red fire; extra brilliant; 1 gross in box.
Gross ..... .98

Red, White, Blue

H238—Extra brilliant; burns red, white and blue; 1 dozen in box.
Gross 9.00
Dozen ..... .78

ASSORTED COLORED FIRE

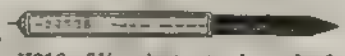
Red and Green

H236—Assorted red and green fire; exceptionally brilliant, 2 dozen assorted in carton.
Gross..4.50 Doz. .40

H237 — Illuminating fire, made from the purest chemicals and free from disagreeable sulphurous odors; red, and green; 1 dozen assorted in box.
Gross..8.75 Doz. .75

ALWAYS SATISFACTORY

RED AND GREEN TORCHES



H218—2½ minute torch; red; 1 doz. in pkg. Gross 4.20 Doz. .38
H219—Same as H218; green. Gross.....4.20 Dozen..... .38
H222—5-Minute Torch; red; 1 doz in pkg. Gross...8.25 Doz.... .75
H223—Same as No. H222; green Gross.....8.25 Dozen..... .75
H224 — 10-Minute Torch; red; 1 dozen in package. Dozen....1.25
H225—Same as No. H224; green. Dozen 1.25
H226—15 Minute torch; red; 1 doz in package. Dozen 2.25
H227—Same as No. H226, green. 1 doz. in pkg. Dozen 2.25

ORIGINAL RAILROAD FUSEE

Patent fuse cap for lighting

H230—Red torch, same as used by all railroads; spiked end; facilitating insertion in ties, hard ground, etc.; with special ignition cap, length 12 inches; will burn 10 minutes; 1 dozen in bundle. Gross.....15.75 Dozen.....1.50
H231—Green torch, otherwise same as H230. Gross..15.75 Dozen 1.50

Having specialized in Fireworks for many years, we are in a better position to furnish you strictly high grade quality goods than you can obtain elsewhere.

ELECTRIC SPARKLERS

Extra heavy and brilliant stars; prepared of chemically treated aluminum and steel filings, so that age or carrying over for a season will not deteriorate them. We guarantee them if kept in dry place. Sparklers are mailable and do not prejudice your insurance.

LEADER AND GIANT SPARKLERS

H172—Leader—Ten 8 inch sparklers in box; 1 doz. boxes in carton; 120 cartons or 10 gross in case.
Gross boxes.....4.00 Dozen boxes.... .35
5 gross lots. Gross 8.75
H176—Giant—Ten 9 inch sparklers in box; 1 dozen boxes in carton; 60 cartons or 5 gross in case.
Gross boxes.....3.00 Dozen boxes.... .70

MAMMOTH SPARKLERS

H178—Mammoth—Extra heavy, five 14 inch sparklers in box; 1 dozen boxes in carton.
Gross boxes 9.00 Doz. boxes. .78

GIANT SPARKLERS

H180—Giant—Twelve 10 in. sparklers in box; 1 doz. boxes in carton
Gross pieces 3.25 Doz. pieces .30

36 INCH GIANT SPARKLERS

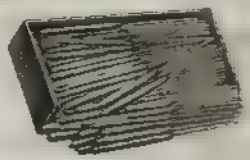
H181—36 inch sparklers; absolutely the finest large sparkler made; extra heavy composition; continuous shower of brilliant stars; 1 dozen in box.
Gross pieces 8.25 Dozen pieces .75

RED AND GREEN SPARKLERS

An exceptionally beautiful combination of bright color fire and myriads of Brilliant Stars.
9 inch colored sparklers, 10 in box; 1 dozen boxes in carton.
H182—Red. Gross boxes..... 8.50
Dozen boxes..... .75
H183—Green. Gross boxes..... 8.50
Dozen boxes..... .75

NOVELTY COLORED STICKS

RED, GREEN, SILVER SPRAYS



Beautiful color effect; burns slowly with profuse showers of bright colored stars.
H208—Red sprays, length 8 in., 1 gross in box. Gross ..... .75
H207—Green sprays; length 8 in.; 1 gross in box. Gross ..... .75
H206—Silver sprays; 1 gross in box. Gross ..... .75

METEOR STICKS

Extra bright lights with heavy spark showers; 12 inches long, 10 ins. of which is extra heavily coated with a composition known for its intense brilliancy; 1 dozen in box.
H210—Green. Gross 3.75
Dozen ..... .35
H211—Silver. Gross 3.75
Dozen ..... .35
H212—Red. Gross 3.75
Dozen ..... .35

GOLD SPRAY SHOWER STICKS

Continuous shower of brilliant golden stars instead of the regular red and green flame. This stick gives off a continuous shower of beautiful brilliant stars.
H201—Penny size; 1 gross in box. Gross ..... .90
H202—5c size; 3 dozen in box. Gross .....4.50 Dozen..... .39
H203—10c size; 1 dozen in box. Gross .....9.00 Dozen..... .78

Put All Orders for Fireworks on Separate Order Sheet from Other Goods

STAPLE FIREWORK NOVELTIES

All the popular, penny, 5 and 10 cent items, big sellers and nice profit payers. All absolutely reliable and good merchandise.

GRASSHOPPERS

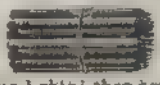
Improved imported

Very amusing and always good sellers; jump around in a lively manner when ignited; safe and harmless.

H150—Grasshoppers; 1 gross in a carton. Gross 1.00

NIGGER CHASERS

Imported (Loud Report)



After being lighted they are thrown in the air and squirm and "chase" in all directions.

H141—2 in.; 1 gross in package. Gross 98

CATHERINE WHEELS

H144—3½ in. diameter; extra large pinwheel of brilliant golden shower of sparks; ¼ dozen in package. Gross 4.50 Dozen .39

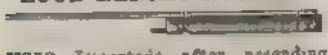
FLOWER POTS

Brilliant gold fire and spangles with handles forming bouquet of flowers; 1 dozen in package.

H159—6-in. with handles. Gross.....4.50 Dozen.....40

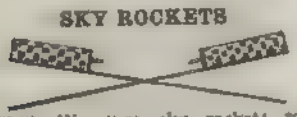
H160—10 in. with handles Gross.....8.50 Dozen.....78

LOUD REPORT ROCKETS



H350—Imported; after ascending gives a loud report; 3½ inch shell, 18 inch sticks; 1 dozen in bundle. Gross.....3.80 Dozen.....42

SKY ROCKETS



H360—Miniature sky rocket; resembles a large rocket in action; 1½ in. shell on 11 in. stained stick; ascends about 20 feet before exploding; assorted colors; 1 gross in bundle. Gross ..... .50

VESUVIUS FOUNTAINS

H198—4½ ins. high, 2¼ ins. in diameter, silver paper covered; extra heavy fountain effect; 2 dozen in box
Gross 4.65
Dozen ..... .40

H199—Same, larger; 6½ ins. high; 2½ ins. diameter; 1 dozen in box.
Gross 9.00
Dozen ..... .78

H200—Same, larger; 9 ins. high, 2¾ ins. diameter, ½ dozen in box
Dozen 1.75

RAINBOW FOUNTAINS

A very novel and beautiful effect in fountain of myriads of liquid, drops of spangles and spray fire, producing rainbow, scintillating and radiant colors, and resembling sun rays on a gigantic fountain in action

H297—11 inches.
Gross 4.50
Dozen .40

H298—13 inches Gross .8.75
Dozen .75

H299—15 in., heavy. Doz. 1.75

RADIO BOMBETTES

A new popular priced night shell; each complete in mortar; the bomb is thrown into the air, exploding with assortment of beautiful assorted colored stars, followed by a loud report

H320—5¼ inches high; 3 dozen in box.
Gross .8.25
Dozen .75

H321 ½ inches high; ½ dozen in box Dozen 1.75

Our Railroad Fuse is made with patent cap, which does not require match for lighting.

THE WONDERFUL BOOT-ER-OO

H715—Boot-er-oo; blue stained head, red 11½ in. hammer; red stained top piece with 8 large feathers inserted; when struck on ground cap explodes sending top about 80 feet in air; 1 dozen in package. Dozen 85

H716—Ammunition; 100 mammoth caps; in envelope; 3 dozen envelopes in package. Dozen 40

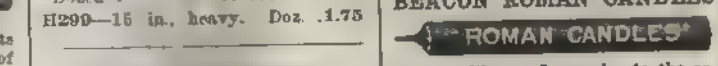
Note—With each dozen Boot-er-oos, 3 dozen envelopes caps must be ordered

BEACON SKY ROCKETS

Discharging combinations of variegated colored stars. All rockets from 3 ounce up have cones and fitted with short sticks; nicely packed in boxes.

Doz. in Bundle	Gross	Doz.
2-oz. 3	3.00	.27
3 oz. 2	4.50	.40
4 oz. 2	6.40	.60
6-oz.	8.80	.78
½ lb. 1	12.75	1.10
1 lb. 1	16.00	1.45
2-lb. 1 dozen in bundle...	2.15	
3 lb. ½ dozen in bundle...	3.75	
4-lb. ¼ dozen in bundle...	5.40	

BEACON ROMAN CANDLES



Large caliber and superior to the ordinary run of candles; containing the full number of stars designated; each candle discharges effectively brilliant stars. Guaranteed. Three dozen in package.

	Gross
3 Ball	1.75
4 "	3.25
6 "	3.25
8 "	4.25

One dozen in package.

	Gross	Doz.
10 Ball	5.00	.48
12 "	7.20	.65
15 "	9.00	.80
20 "	12.00	1.10
25 "	20.00	1.75
30 "	24.00	2.10

TRIANGLES

A whirling combination of circles of brilliant changing colors and showers of sparks.

	Gross	Doz.
1-oz.— 1 doz. in pkge...	0 00	.78
2 oz.— 1 doz. in pkge..	10 90	.98
3-oz.— ½ doz. in pkge..	18.50	1.20
4-oz.— ½ doz. in pkge..	17.25	1.50

WITH COLORED POTS

	Doz
½ lb.—1/6 dozen in package.	2.65
1-lb.—1/6 dozen in package.	3.50

VERTICAL WHEELS

Produces azure flames and sparkling jets, with variegated color rings.

	Doz
8-in.—½ doz. in pkge.	2.25
10-in.—¼ doz. in pkge	4.25

Your customers want the best values in every line; nothing better made or can be made than Fireworks bearing the Beacon label.

DAY FIREWORKS

Extra loud report and extensively used for picnic and day celebrations

AERIAL DAY GO BOMB

Each complete in mortar; the bomb is thrown into the air, exploding with a tremendous report.

H312—5¼ ins. Doz. .65
Gross 6.60
2 dozen in carton.

H313—6¾ ins. Doz. .80
Gross 8.75
1 dozen in carton.

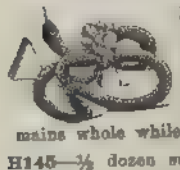
H314—9½ ins.
Dozen 1.50
Gross 15.00
½ dozen in carton

CANNON SALUTES

Complete with mortar, ready to fire, they ascend 600 feet into the air exploding with a report that can be heard for miles; used for signals, salutes, celebrations, political meetings, etc.

Large—18 lb. cannon report.
Each 1.00
Extra Large—24 lb. cannon report. Each 1.50

BOA CONSTRICTORS AND NOVELTY SNAKE VOLCANO



Made of a new composition that does not break; the only snake on the market that remains whole while developing.

H145—½ dozen snakes in carton Gross cartons 4.50 Doz. cartons .50

H149—Same, 1 doz. snakes in carton
Gross cartons 7.50 Doz. cartons .65

H153—Square box, 2 by 3 inches, foil top; when lit imitation grass is evolved, from which 3 large snakes crawl; 1 dozen in package. Gross.....4.50 Dozen 40

☛ Put All Orders for Fireworks on Separate Order Sheet from Other Goods ☚

PAPER CAP PISTOLS

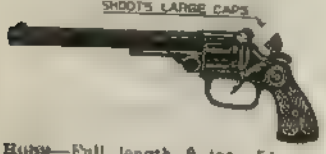
Extra well made and nicely finished, smooth action. Full nickel plated

H669—Length 4¾ ins.; full nickel plated and polished; checkered grip; trigger guard; 1 dozen in box. Dozen ..... .79

H672—Little Bill, full nickel plated and polished; trigger guard; length 5¼ inches; 1 dozen in box Dozen ..... .80

H674—Length 5¾ ins.; S. & W pattern; full nickel plated and polished; trigger guard; checkered grip; 1 dozen in box. Dozen .95

H677—Navy, length 8 inches; full nickel plated and polished; trigger guard and checkered grip; 1 dozen in box. Dozen 1.15



H689—Full length 9 ins., 5½ in barrel; lacquered bronze finish; trigger guard, checkered grip; 1 dozen in box. Dozen 1.98

SURE SHOT PAPER CAPS

Note—Paper caps for pistols cannot be sent by Parcel Post.

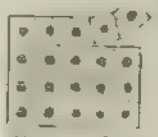
H95—Round cut, 50 in box; 12 boxes in roll; 12 rolls in wood box Gross ..... .68
In 10 gross lots. Gross ..... .60

H96—Square cut; 150 in box; 1 gross boxes in carton Gross .80

STRIP PAPER CAPS

Convenient to Handle

H681—Extra loud mammoth caps; 50 on perforated sheet in envelope
Gross envelopes 4.65
Dozen envelopes ..... .40

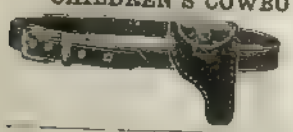


H98—Extra quality square cut paper caps, very loud; 50 shots on perforated sheet, 8 sheets in envelope; ¾ gross envelopes in box.
Gross envelopes 4.50
Dozen envelopes ..... .89

EXTRA LONG PATTERN

H690 — Buffalo Bill; full length 11¾ ins.; 8 in. barrel; checkered grip; trigger guard; brown finish, lacquered; 1 doz. in box. Doz. 2.15

CHILDREN'S COWBOY BELTS AND HOLSTERS



H723—Patent leather finished belt, 30 ins. long, with buckle and eyelets; holster to match, with button fastener on flap; 1 dozen in package. Dozen ..... .89

"BIGGER BANG" PISTOL

Shoots Extra Large, Loud Caps

H680—S. & W. pattern; full nickel plated and polished; caps are inserted in hammer which is extra large for receiving them; full length 6¼ inches; 1 dozen in box.
Gross.....4.50 Dozen..... .40

H681—Ammunition; extra loud, 50 on perforated sheet, in envelope. Gross envelopes .....
Dozen envelopes .....
.40

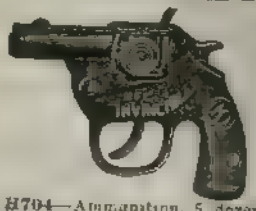
Note—With each dozen pistols 5 dozen envelopes of caps must be ordered.

REPEATING CAP PISTOLS

These pistols are perfect in construction and mechanical action

IMPORTANT NOTICE—Pistols and caps must be bought in proportion of 5 dozen boxes caps to each dozen pistols. Orders for less quantity caps will be changed to 5 dozen boxes.

INVINCIBLE REPEATING CAP PISTOLS



Colt model, aluminum finished; side loading; trigger guard holds roll of 50 caps, size 3⅛ x 5⅛ ins. Each in carton.

H702—Invincible pistols when ordered in connection with 5 dozen H704 ammunition.
Each 8.50
Dozen ..... .75

H704—Ammunition, 5 dozen in box. Gross....4.85 Dozen.... .42

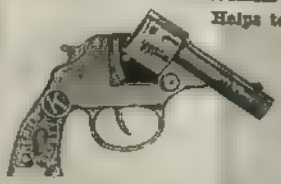
NOTE—With each dozen pistols 5 dozen rolls of caps H704 must be ordered.

EXTRA AMMUNITION FOR INVINCIBLE PISTOLS

H704—Each carton contains 5 rolls of 50 shots each; 5 doz. boxes in carton (no less sold). Gross.....4.85 Dozen boxes..... .42

PREMIER REPEATING PISTOL

Helps to Dispose of Your Excess Roll Ammunition.



H701—Full nickel plated, Remington model; break pattern; will shoot any make roll cap; length 6½ inches; each in carton. Dozen 2.35

NOTE—Buying this pistol will enable you to dispose of your surplus stock of repeating cap ammunition.

COLORED PAPER BALLOONS

Each balloon complete with asbestos fire protector and fire ball

Strong paper, bright and attractive colors; ready to light.

No.	Size	Height	In Box	Doz.
H102	10	50	1/3 doz.	2.10
H103	15	60	1/3 doz	3.25
H104	20	72	1/4 doz.	4.50
H105	25	84	1/6 doz.	6.50
H106	30	102	1/6 doz.	8.75
H107	35	120	1/12 doz.	10.20

PARACHUTE BALLOONS

The parachute drops when the balloon is high in the air, and it presents a very realistic balloon ascension.

H116—Balloon 6 ft. with 4½ ft parachute; ¼ doz. in box. Each ..... .45

H118—Balloon 7 ft. with 9 ft. parachute; each in box. Each.... .90

AIRSHIP BALLOONS

Easy to send up and sail well; wind does not affect them on account of their shape.

H122—6 ft. long, 1/4 doz. Each .45
H124—12 ft. long, 1/12 doz. Ea. .85

GOOD SURPRISE NOVELTIES

BINGO' OFF IT GOES!

T2446 — A new shooting trick which explodes a percussion cap with a loud bang when disturbed, made of metal throughout; 1 dozen in box. Dozen ..... .78

TRICK MATCHES

T2450 — Regular parlor match, which when lit is followed by a sharp explosion; the match continues to burn, and can be used for lighting cigar, pipe, etc.. 12 matches in carton.
Gross cartons. 5.25 Dozen... .45

LARGE FIREWORKS SIGN FREE

Fire Cracker design, printed on heavy waterproof paper in bright red, 5 ft. long, 18 ins. wide, will be included FREE in all Fireworks orders amounting to $10.00 or over.

Put All Orders for Fireworks on Separate Order Sheet from Other Goods

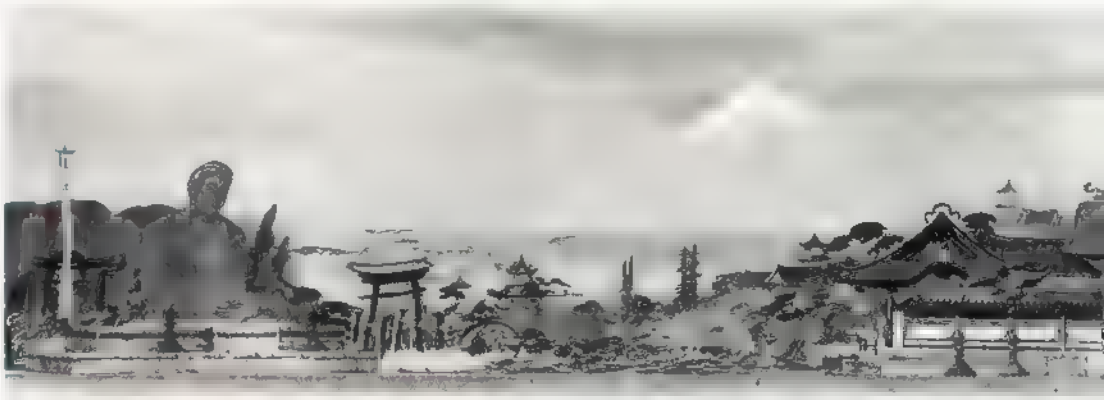
WORLD AMUSEMENT SERVICE ASSOCIATION INC.

Greatest Array of Scenic Fire-

Sensational—Thrilling—Awe-Inspiring

The Thearle-Duffield Fireworks Division is the acknowledged leader as the purveyor of Outdoor Spectacles and Fireworks Displays in the world today—Millions of people witness their offerings yearly.

ROME UNDER NERO. The Spectacle Supreme. Surpassing in Gorgeous Splendor—Thrilling Action Massive Scenery—Realistic Episodes—Wondrous Climax and Crowd-Drawing Possibilities Anythin ever offered the Amusement Loving Public.



TOKYO—THRU QUAKE AND FIRE. The Smashing Hit at the Leading State Fairs in 1924- Entrancing Scenic Effects from the Flowery Kingdom.

INDIA—A Night in the Orient—All the Grandeur—Mysticism and Quaint Religious Customs of tha Land of Lavish Splendor—including the Durbar Procession, noted for its Surpassing, Magnificent Pageantry

Our Other Great Spectacles—CHATEAU THIERRY

MYSTIC CHINA and MONTEZUMA

works Spectacles in the World

Spectacular—Educational—Entertaining

Numbered among their satisfied customers are practically every leading State, County and District Fair in the United States, and their proudest possession is the staunch friendship of their patrons of years' standing.

A Title that hits a responsive chord and a Spectacle that outlines one of the Outstanding Periods in the History of the World. Now being contracted for the Season of 1925.

A Realistic Reproduction of the World Famous Quake and Fire that startled all humanity—Stupendous in Size and Action—A Sure Winner for 1925.

Gorgeous Costuming and a Smashing, Thrilling Climax depicting the conflict between the British Troops and the Sepoys, and the Sacking of the Beautiful City of Delhi—Entour During 1925.

SCRAPPING the NAVY—MONITOR and MERRIMAC

re available for Special Dates

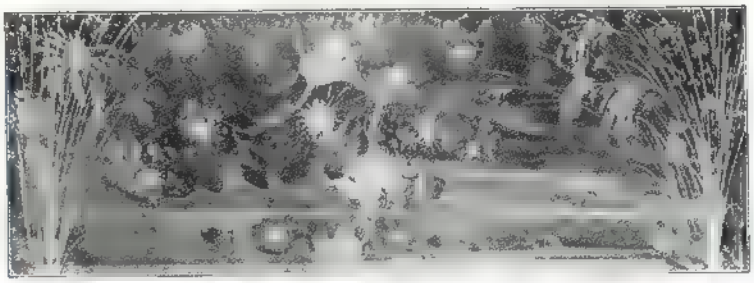
Where Thearle-Duffield Fireworks are Made, Roby, Ind., Plant.

Only the finest chemicals and other materials are used to provide the wondrous effects in Thearle-Duffield Fireworks. They are recognized as the STANDARD of the Fireworks Industry.

Wherever You See Thearle-Duffield Fireworks, There You Will Find The Crowds

The crowds gather because the general public knows that THEARLE-DUFFIELD FIREWORKS are worth seeing. Fair Managers contract with us year after year because they know our displays have class, distinction and merit; that we are reliable; that our methods are fair and square; and that our service and co-operation assist them in making their Fairs successful.

If you are not deriving these benefits, write for our programs outlining these wonderful displays. Have our representative call on you. You will find him willing and anxious to serve you. Have him outline our special Publicity Campaign and our policy of SERVICE AND SATISFACTION.



The Grand Finale that Sends Your Patrons Home Boosting.

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"SERVICE and SATISFACTION"

WORLD AMUSEMENT SERVICE ASSOCIATION, Inc.

Thearle-Duffield Famous Fireworks

Will Crown Your Night Show With THE RAINBOW OF SUCCESS

Marvelous Fireworks combined with a well-balanced program including features that please and appeal. Properly advertised through our Free Publicity Service — Presented to your audiences by our expert operators—SUCCESS.

Programs Now Ready

Wire or Write Today

LargeCrowds—Packed Grand Stands—Well pleased and satisfied Audiences boost your Fair by that Word-of-Mouth Publicity that brings them in Ever-Increasing numbers that Spells—SUCCESS.

Representatives Awaiting Your Call

Contract Early—Avoid Disappointment

Service and Satisfaction—The Guarantee that has become Famous throughout the Amusement World—The Policy that made THEARLE-DUFFIELD Supreme.

Daylight Fireworks

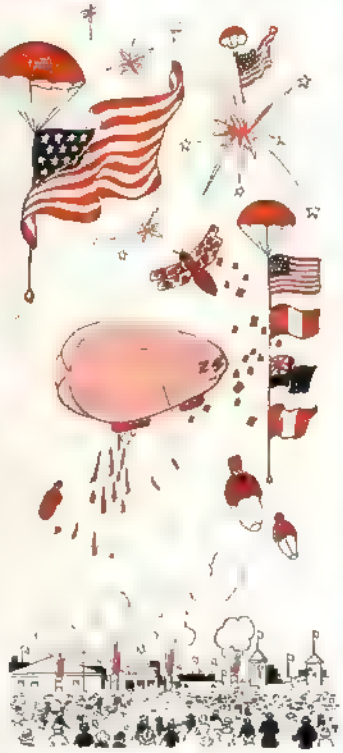
A Real Feature For Afternoons

Reasonable in Price
Wonderful in Effect

Special Selections for Fourth of July

Ask for Program or Catalog

Include a Display when Contracting for Your Night Program



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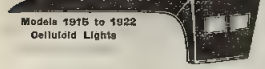
"SERVICE and SATISFACTION"

FOR FORD CARS

TOP RECOVERS

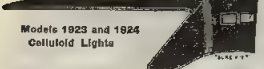
All made of 24 oz. fine grain waterproof material black back on 1 35 drill. Material and workmanship guaranteed in every way. Complete with tacks, welts, fasteners and instruction sheet, ready to attach to old frame.



Models 1915 to 1922 Celluloid Lights

Top and back curtain with 2 regulation size celluloid lights. 1 in fiber carton

4K8730—For Ford Roadsters. Each **$3.75**
4K8731—For Ford Touring " **$4.50**

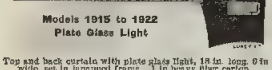


Models 1923 and 1924 Celluloid Lights

Top and gypsy style back curtain with 2 celluloid lights. 10¾ in. long 7 in. high. 1 in heavy fiber carton

4K8732—For Ford Roadsters, ... Each **$4.25**
4K8733—For Ford Touring " **6.25**

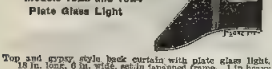
PLATE GLASS LIGHT



Models 1915 to 1922 Plate Glass Light

Top and back curtain with plate glass light, 18 in. long, 9 in wide, set in japanned frame. 1 in heavy fiber carton.

4K8734—For Ford Roadsters. . . . Each **$4.50**
4K8735—For Ford Touring . . " **5.95**



Models 1923 and 1924 Plate Glass Light

Top and gypsy style back curtain with plate glass light, 18 in. long, 9 in. wide, set in japanned frame. 1 in heavy fiber carton

4K8736—For Ford Roadsters Each **$4.95**
4K8737—For Ford Touring " **6.35**

ONE MAN TOPS

Well made throughout fits perfectly. Made of 24 oz. long grain, drab back material, gypsy style back curtain with clear plate glass light 18 in. long, 9 in. high, set in japanned frame. Complete with bows, sockets, fasteners and instruction sheet.

Regular Side Curtains

For models 1915 to 1922. 1 in crate.

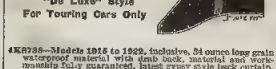
4K8728—For Ford Roadsters ..... Each **$17.50**
4K8729—For Ford Touring . ..... " **22.50**

Door Opening Side Curtains

For touring cars only. Shipped from factory in Central Ohio 1 in crate.

4K8278—Models 1915 to 1922 . . . . Each **$28.50**
4K8279—Models 1923 and 1924 . . . . " **23.50**

TOURING CAR TOP RECOVER



"De Luxe" Style For Touring Cars Only

4K8788—Models 1915 to 1922, inclusive, 24 ounce long grain waterproof material with drab back, material and workmanship fully guaranteed, latest gypsy style back curtain, clear plate glass light 18 in. long, 9 in. high, set in japanned frame. Furnished complete with top, back curtain, tacks, welts, fasteners and instruction sheet for attaching to frame. 1 in heavy fiber carton. . . . . Each **$7.25**

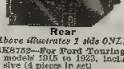
SIDE CURTAINS

24 ounce fine grain black back material, fitted with clear vision celluloid lights, each light bound with flap gimp and double stitched to resist vibration. Furnished complete with eyelets and lace buttons. 1 set in carton

Illustrates one side ONLY

4K8750 For Ford Roadsters, models 1915 to 1922 inclusive. Set of 2 pcs. **$4.25**

Front



Rear

Above illustrates 2 sides ONLY

4K8752—For Ford Touring, models 1915 to 1922, inclusive (4 pieces in set). Set 4 pcs **$6.00**

"HASTINGS" REAL GLASS WINDOW SETS

Easily installed, screw driver only tool required. Best grade double strength glass, black enameled trim.

4K8925—For 1915 to 1922 Fords, 3 windows in set. 1 set in carton. Set **$0.40**
12 sets or more, Set **.38**

4K8926—For 1923 and 1924 model Fords, 2 windows in set. 1 set in carton. Set **55c**
12 sets or more Set **50c**

4K8927—For 1923 model Fords, 1 window 17¾ in long, 8½ in. wide. 1 in carton . . Each **65c**

DOOR OPENING SIDE CURTAINS

Latest type curtains in heavy 24 ounce first quality rubber furnished complete with Rods and sockets for two doors. Instructions as to how to refit and sew cut with the doors. Directions for installing. 1 set in carton.

FOR FORD ROADSTERS—
4K8761—Models 1915 to 1922 . . . . . Set **$4.75**
4K8765—Models 1923 and 1924 . . . . . " **4.75**
FOR FORD TOURING—
4K8760—Models 1915 to 1922. . . . . Set **$6.90**
4K8767—Models 1923 and 1924 . . . . . " **6.90**

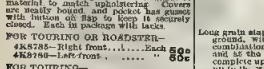
CURTAIN CELLULOID

4K8823—No. 12½, heavy, size 20 x 30 ins. for replacing broken curtain lights 1 sheet in roll

Sheet **$1.30**

DOOR POCKETS

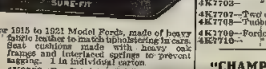
For Ford Touring Cars and Roadsters



Convenient for carrying small tools. Made of material to match upholstering. Covers are neatly bound and pocket has gusset with button on flap to keep it securely closed. Each in package with tacks

FOR TOURING OR ROADSTER—
4K8785—Right front . . . . . Each **50c**
4K8786—Left front . . . . . " **50c**
FOR TOURING—
4K8787—Right rear . . . . Each **50c**
4K8788—Left rear . . . . . " **50c**

SEAT CUSHIONS

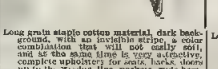


For 1915 to 1921 Model Fords, made of heavy fabric leather to match upholstering in cars. Seat cushions made with heavy oak frames and interlaced springs to prevent sagging. 1 in individual carton

4K8770—For Roadster and Front Seat of Touring . . . . . Each **$4.80**
4K8772—For Rear Seat Touring Each **$ 5 00**

SEAT COVERS

For Ford Cars

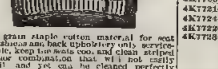


Long grain staple cotton material, dark background, with an invisible stripe, a color combination that will not easily soil, and at the same time is very attractive, complete upholstery for sedan, back, doors up to the window line, pockets, wide hem, double strength easily installed quickly removed for cleaning. Each set complete with drive knobs and eyelets to hook over same, in carton

4K7700—Roadster, 1915-22. . . . . } Set
4K7701—" 1923-24. . . . . } **$3.50**
4K7704—Coupe, 1917-23. . . . . } Set
4K7705—" 1924 . . . . . } **$3.75**
4K7706—" 1925 . . . . . } Set
4K7702—Touring, 1915-22. . . . . } Set
4K7703—" 1923-25 . . . . . } **$6.00**
4K7707—Fordor sedan, 1917-23 . . . Set **$6.50**
4K7708—Tudor sedan, 1924-25. . . . } Set
4K7709—Fordor sedan, 1924 . . . . } **$7.25**
4K7710—" 1925 . . . . }

"CHAMPION" Spark Plugs are factory equipment for Fords—See page 184.

WASHABLE SLIP COVERS



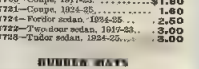
Long grain staple cotton material for seat cushion and back upholstery only, serviceable, keep the seats cool and clean striped cover combination that will not easily soil and yet can be cleaned perfectly when desired. 1 set in carton

4K7723 Any Model Roadster Set **$1.85**
4K7724—Any Model Touring " **2.75**
4K7727—1915 to 1923 Coupe . } Set
4K7726 1924-25 Coupe . . . . } **$2.25**
4K7728—2 7 to 1923 Two Door Sedans
4K7730—1924-25 Tudor Sedans
4K7731—1924 Fordor Sedans
4K7732—1925 Fordor Sedan. Set **$4.00**

WIND AND HEAT PAD

4K8822—28 oz. first quality long grain motor cloth with heavy flannel, made to keep out drafts that come up through brake and pedal openings. Set of 2 in pkg.
Set (2 pcs) **$60**

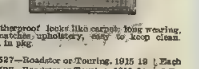
FLOOR CARPETS



Heavy first quality carpet soft and curtain, well sewed dark color combination, will not easily soil

	Each
4K7720—Coupe, 1917-23.	**$1.80**
4K7721—Coupe, 1924-25.	**1.60**
4K7724—Fordor sedan, 1924-25.	**2.50**
4K7722—Two door sedan, 1917-23.	**3.00**
4K7725—Tudor sedan, 1924-25.	**3.00**

RUBBER MATS



Weatherproof looks like carpet, long wearing, matches upholstery, easy to keep clean. 1 in pkg

4K7527—Roadster or Touring, 1915 19 } Each
4K7528—Roadster or Touring, 1919-24 } **95c**
4K7531—Two Door Sedan, 1915-22. Includes front and rear mats. . . . . Each **$3.10**

TOOLS

WRENCH SETS

4K9165—"None Better," 9 rnd ro nd steel wrench, 1 plex s el handle . . . 1 set in box . . . . Set 55c

For Fords

4K9175—5 pcs., white nickel, fully guaranteed, sizes— " " "

FOR FORD CARS

"PEERLESS" Honeycomb Radiators

"PEERLESS" PRODUCTS FOR FORDS ARE NATIONALLY KNOWN

Honeycomb core, practically indestructible, black enameled, large water capacity, cooling surface 25% larger than type of core now used at same cost. Guaranteed to keep engine cool under the most severe conditions, all parts in contact with water are brass, freezing will not burst it. 1 in crate, 40 lbs.

4K8485—For 1918 and earlier Fords. Each **$11.50**

4K8486 — For 1917 to 1923 models. Each **$10.50**

4K8497—For 1924 model Each **$12.00**

BRASS TUBULAR RADIATOR

Cap 4 gal., brass construction throughout, unusual cooling qualities, corrugated webbing, black enameled. 20 gauge steel shell. Majestic dimensions and construction as regular Ford radiator. 1 in box, 40 lbs.

4K8204—1917-23 Each **$13.00**

4K8205—1924-25..... **$14.00**

"STANDARD" HOOD

4K8415 Heavy gauge steel 3 coats black enamel (baked on), 4 piece construction, heavily and rigidly built, duplicate of factory equipment for 1917 and later Fords. Each **$3.85**
3 in crate, 6 or more Each **$3.75**

FENDERS

20 gauge steel, 2 coats lustrous black enamel (baked on).

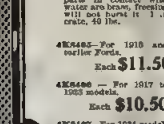
Front Only—2 fenders, 1 pair in crate, 45 lbs.
4K8501 — For 1917 and later Fords Pair **$6.75**

Rear Only—2 fenders, 1 pair in crate, 35 lbs.
4K8502—For all Fords Pair **$5.50**

Complete Set—Front and rear, 4 in set, 1 set in crate, 70 lbs.
4K8504—For 1917 and later Fords Set (4 pcs) **$9.75**

"PEERLESS" COMMERCIAL REAR FENDER

The well known and big selling "Peerless" fender for Ford trucks.



4K8500 — 3 gauge steel, 2 coats lustrous black enamel (baked on), for regular 1 ton Ford converted into 1½ ton stakes from factory. Pair **$4.00**

"LYON" FRONT BUMPERS

Insurance companies allow 10% discount on collision insurance premiums if equipped with Lyon Bumpers.

Made in 3 sections, overlapping at bolts, thereby giving adjustment and double strength at vital temporal steel 1 in box, 40 lbs.
4K8150—(Stfrs 7). Black, with nickeled trimmings. Each **$7.00**
4K8151—(Mfrs. 8). Nickeled, with black trimmings. Each **$8.40**

REBOUND ABSORBERS

4K8516—Rebound checks, take the jolts and jars out of rough road, eliminates side sway. Most improved and popular type of shock absorber. Easily installed with wrench and screw driver, no holes to drill, no special attachments are needed, no oiling. 1 set of 4 in carton SET (4 pcs) **$6.35**

SHOCK ABSORBER SET

4K8512—"W-X". For touring cars, malleable iron, black enameled, will not squeak or rattle, 4 in set, 1 set in box. SET (4 pcs) **$5.25**

"EQUIPTO" FENDER BRACE

4K8711 Equipto for front or rear FORD fenders, eliminates rattles, vibration and sagging, two pieces, holes in center for rear support, forward reversing position of either piece gives 3/4 in. wide shoe to fit fenders without rub against radiator or headlamps. Complete with bolts, clips and nuts. 1 in carton ..... Each **35c**

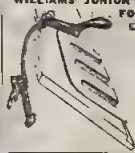
"COOPER" STEERING COLUMN BRACE

4K9085—Holds steering column rigidly in place, prevents jarring instrument board, both open and closed models, black enamel finish. 1 in carton ..... Each **45c**

"BULL DOG" ACCELERATOR

4K8483 Best device throughout ever installed and works independently of hand throttle. Gives positive smooth and quick control over carburetor. Each accelerator with foot and all parts for attaching in carton..... Each **65c**

"WILLIAMS' JUNIOR" FOOT ACCELERATOR



4K9432—Complete with spring, pedal, washers and covers, universal joint for connecting to carburetor, guaranteed against defects. 1 in carton. Each **$1.10**

"A C" SPEEDOMETER

4K8675—High grade, fully jeweled, registers 70 miles per hour, 100,000 mile total and 100 mile trip, in tenths, reliable, accurate, complete with attachments. 1 in box

Each **$9.25**
Same as above, but with speedometer light Each **8.75**

PEERLESS "DE LUXE" FENDERS

List $20.00 per Set

Heavy cold rolled steel, strongly reinforced, baked on black enamel, correct design, sturdy. 1 set in crate.

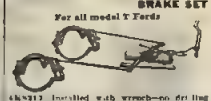
➡4K7915—Open cars, 1917-25. Set **$10.00**

➡4K7914—Coupe and Sedan, 1924-25. Set **$11.75**

Shipped from factory in Ohio

CLEVELAND EXTERNAL BRAKE SET

For all model T Fords



4K8313 Installed with wrench—no drilling or alterations required, perfectly adjusted and positive, guaranteed against improper functions, give safe, sure control and eliminates chattering, heavy steel bands lined with Raybestos brake lining steel rods, attaches to regular foot brake pedal, easy to install, delivers braking power direct to rear wheels through transmission. Complete in carton with directions..... Set **$8.50**

STEERING WHEELS

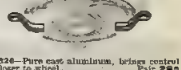
Without Lock

4K8535—17 in., corrugated rimwood rim, polygon shape, aluminum spider. 1 in pkg. Each **$1.40**

Approved by Underwriters' Lab.

4K8531—17 in. walnut rim, hexagon shape, wood spider, "Rimewin" nickel plated and 7 tons tail-bearing, electric welding top. 1 in carton Each **$10.50**

"MAN-D" LEVER EXTENSION



4K8526—Pure cast aluminum, brings control closer to wheel. Pair **25c**
2 poles on display card. 1 pr **25c**

SPRINGS

STANDARD GUARANTEED SPRINGS

We will replace free of charge any spring that breaks because of defects in workmanship or material.

FRONT

Front Springs—Made of high grade special analysis spring steel, heat treated, all tempered. 1 in pkg.

4K8696—Standard 7 leaf, 17½ lbs. Each **$1.35**

4K8697—Extra heavy, 9 leaf, for Ford commercial cars, coupes and sedans, 22 lbs..... Each **$2.50**

REAR

Rear Springs—Made of high grade special analysis spring steel, heat treated, all tempered. 1 in pkg.

4K8698—Standard 8 leaf, 41½ lbs. Each **$4.10**

4K8699—Extra heavy, 10 leaf, for Ford commercial car, coupe, sedan and trucks, 57 lbs..... Each **$5.75**

"TUTHILL" TITANIC FRONT SPRINGS

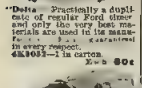
See that Arch

4K8695—Standard 7 leaf (for all Fords) highest quality tempered alloy steel, no overstock, guaranteed against breakage. Each **$3.80**

FOR FORD CARS

TIMERS

"Delta"—Practically a duplicate of regular Ford timer and only the very best materials are used in its manufacture. Each one carefully examined in every respect.
4K8083—1 in carton.
Each 80c



"Milwaukee"—Rubber shaft bushing. Contact points of best grade silver and ground and polished and carefully assembled, is one of the most reliable timers on the market.
4K8053—Each $1.35
10 or more, Each 1.25
100 or more, Each .30

CARBURETOR

"Holley"—Model H made with very few moving parts—practically no adjustments—gives quick acceleration and saves in fuel consumption.
4K8067—1 in box.
Each $3.85

WATER CIRCULATING PUMP

Made of Cyclewarp bearings, will cover leaks, self draining fan belt furnished, fan and pump work on same belt, gives 100% efficiency can be installed with screw driver, will keep motor cool under most trying conditions, prevents freezing in cold weather.
4K8071—1 in carton.
Each $3.35

OTIS ADJUSTABLE HOSE CLAMP

4K8363—Double band, panel strap, smooth inside—adjustable inlet or outlet hole—1 inch hole.
Doz 50c

GEM DASH LAMP

4K8316—All brass, heavily nickel plated, clamps over instrument glass, no holes to drill, revolving shade, 3 ft. 6-8 volt bulb and insulated wire—1 in carton.
Each 45c

ELECTRIC HEAD LAMPS

For 1915 and later Fords

Parabola Shape—Drawn steel body, 9 in. diam., black enamel finish, silvered reflector, complete with 6 volt, 21 c. p. Mazda bulb.
4K8322—1 pair in box.
Pair $3.85

Drum Shape—Drawn steel body, 9¾ in. diam., nickel plated brass door, silvered reflector, complete with 6 volt Mazda bulb.
4K8324—1 pair in carton.
Pair $5.50

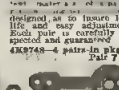
ELECTRIC TAIL LAMP

4K8326—For 1915 and later Fords. Drum shape, steel body, black enamel, 3 in. removable ruby lens, complete with 6 volt, 3 c. p. bulb, white side lens.
Each 45c

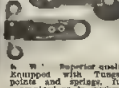
"PRESTO" DASHLAMP

4K8314—2 in. long, heavy brass nickeled and polished, long threaded shank makes it suitable for either wood or metal panels—complete with 6-8 volt, 3 c. p. single contact bulb, with wire. 1 in carton.
Each 45c

COIL POINTS



Carefully made, best quality platinum points designed so as to insure long life and easy adjustment. Each pair is carefully inspected and guaranteed.
4K8748—4 pairs in pkg.
Pair 7½c



K. W. Superior quality. Equipped with Tungsten points and springs, fully guaranteed as to workmanship and material. Improves any car over 4 years old. Easy to install.
4K8746—½ doz. pairs in pkg. ....Doz pairs $1.40

CONNECTING ROD

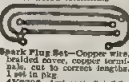
4K8935—2 piece forging, .50 to .45 carbon steel, babbitt analysis. A. E. specifications, mechanically correct. 1 in carton.
Each $0.84

"K-W" COIL

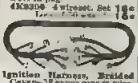
4K8761—Coil, for all Fords or Fordson tractors, hardwood, brass connections, "K W" tungsten points and springs. 1 in box.
Each $1.25

WIRING OUTFITS

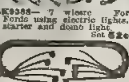
Soldered terminals



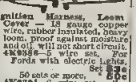
Spark Plug Set—Copper wire, braided cover, copper terminals, cut to correct lengths, 1 set in pkg.
4K8309—4 wheat. Set 18c
Less 4 Coils Set 15c



Ignition Harness, Braided Cover—18 gauge copper wire, rubber insulation, braided cover, varnished cambric each wire—for 4 cylinder coils, oil and gas engines—1 set in pkg.
4K8339—5 wire set. For Fords with electric lights and starter. Set $2.25
10 sets or more, Set 2.00
4K8342—7 wire set for all Fords with electric lights and starter. Set $2.60
50 sets or more, Set 2.40
4K8345—7 wire set for all Fords using electric lights, starter and dome light. Set $2.75
50 sets or more, Set 2.50

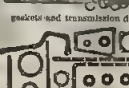


4K8388—7 wire set. For Fords using electric lights, starter and dome light. Set $2.75



Ignition Harness, Loom Cover—18 gauge copper wire, rubber insulated, heavy loom, proof against moisture and oil, will not short circuit.
4K8385—5 wire set. For Fords with electric lights.
Set $3.25
50 sets or more, Set 3.00
4K8391—6 wire set. For Fords with electric lights and self starter. Set $3.60
50 sets or more, Set 3.50

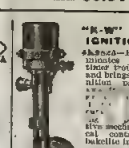
VICTOR GASKETS



Made of copper, brass and asbestos, complete with washers.
4K8728—Cylinder head gaskets only.
1 in pkg. Each 2½c
4K8729—Cylinder head gasket, inlet and exhaust pipe gaskets, 1 set in pkg.
Set 33c

gaskets and transmission drain plug gaskets.

"K-W" IGNITION



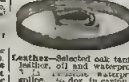
4K8362—Eliminates all timer trouble and brings ignition parts to a minimum. Gives mechanical contact. Bakelite insulation throughout. 1 in carton.
Each $6.25

FORD HORN BUTTON

4K8644—Replaces nut on top of Ford steering wheel, putting button where it should be. Very easily installed. 1 in box.
Each 25c
10 or more, Each 23c

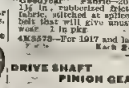
FAN BELTS

Fabric—Oil and waterproof, 1 in pkg.
4K8578—For 1916 and earlier Fords
Each 45c
4K8579—For 1917 to 1923 Fords
Doz $3.60



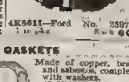
Leather—Selected oak tanned leather, oil and waterproof, with special waterproof splice, 1 in doz. in carton.
4K8575—For 1917 to 1923 Fords
Doz $2.95
4K8576—For 1924 and later Fords
Doz $3.50

"Goodyear" Fabric



—20 x 4 in., rubberized friction fabric, stitched at splice, a belt that will give unusual wear. 1 in pkg.
4K8579—For 1917 and later
Each 24c

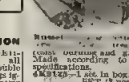
DRIVE SHAFT PINION GEAR



4K8611—Ford No. 2397S.
Each 60c

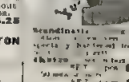
TRANSMISSION LINING SETS

8 strips cut to correct length, complete with brass rivets



Riveted ... Made of woven cotton and glazing. Made according to Ford specifications.
4K8125—1 set in box.
SET ($.950 $0.80

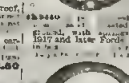
Sandmetal ... Made of asbestos and brass. Fabric ... Ford ...
4K8129 ... Set $1.60



... Set $1.35

BRAKE SHOES

4K8440 ... Ford ... 1917 and later Fords ... 48c

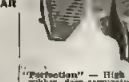


4K8443 — "Adjusto," adjustable iron frame, Raybestos lining ... 40c

... to keep ... cranks at proper ... without ... or removing, for any model T Ford. 1 pair in box.
Pair $2.45

RUBBER PEDAL PAD SETS

"Perfection" — High grade rubber, deep corrugated ribs insure firm grip for the foot, nickeled steel frame with metal ... for attaching
4K8923—1 set in box.
Set 79c
18 sets or more, Set 67c



"Surety"—Extension, made with rubber inserts, rigidly attached by one screw, ... pad for ... pedals
4K8939—1 set in box.
Set 55c

"LAKE" RIM AND TIRE CARRIER

... Ford ... on side of Roadster, Touring and Delivery Car, strong durable steel, simple, will carry any 30x3½ rims, easily installed, no holes to drill ... fitted to inside of band fits over the blind door recess of body, sets as a brace. Simple locking device ... 1 in pkg.
Each $2.36

"LEADER" STEP PLATE

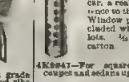
For all light cars with narrow running boards, including 1924 Model Ford Cars.

... packages ...
Each 75c

"ADVANCE" DOOR LOCKING HANDLE

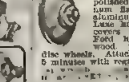
4K7823—White metal, nickel plated ... screws ... complete with ... instructions for installing.
Pair $1.75

SUPERIOR GASOLINE GAUGES



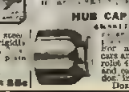
Hydrometer ... and cap floatrod shows quantity of gasoline in tank. Durable construction, will outlast the car, a real convenience to the driver. Window pasteboard ... Window pointer included with dozen lots. ½ doz. in carton
4K8947—For square tanks, copper and sedans up to 1925.
Doz $8.00

"KLASSY" HUB CAP SET



4K8941 ... 4 ... nickel polished aluminum flanges, 4 aluminum ... Do ... Cases and ... covers enable Ford hub, the ... and ... of disc wheels. Attachable in 5 minutes with regular ... SET ... $1.25

HUB CAP



4K8942 ... for all Ford cars and Chevrolets 490, 1920 and earlier. 1 ... in pkg.
Doz $1.25

LAWN MOWERS

COLDWELL, DEMOUNTABLE, HORSE DRAWN

Frame construction is reinforced at each end with heavy steel bars. All parts are accurately machined and fitted. Equipped with double triple pawl rachets between rollers, adjustable split bronze bearings and a simple mechanism which throws the revolving cutters in and out of gear. Cutter section is made into a unit which is independent and removable from frame of mower. This unit itself consists of a frame containing the revolving cutter, bottom knife and adjustments, all this is attached to main frame and held securely in place by four locking screws.

6 BLADES

Nos.	CD30-6	CD35-6	CD40-6
Width cut, ins	30	35	40
Wt each, lbs	1150	1200	1250
Each	✚$480 00	✚540 00	✚603 00

Crated.

4 BLADES

Nos.	CD30-4	CD35-4	CD40-4
Width cut, ins	30	35	40
Wt each, lbs	1075	1100	1125
Each	✚$441 00	✚507 00	✚567 00

Crated.

EXTRA CUTTER UNITS

	For 6 Blade.			For 4 Blade.		
Nos.	EC6-30	EC6-35	EC6-40	EC4-30	EC4-35	EC4-40
Wt each, lbs	685	700	715	650	665	680
Each	✚$174 75	✚189 00	✚198 00	✚138 75	✚153 00	✚163 50

Crated.

HORSE BOOTS

	Per Set
No. HB—Set of 4	✚$63 00

Crated.

SHAFTS FOR MOWERS

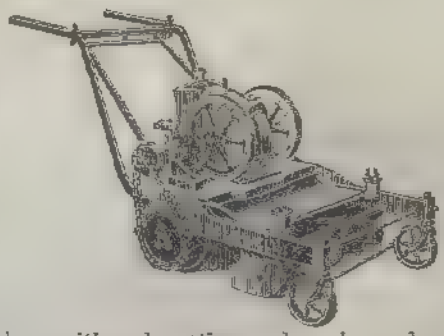
	Each
No. LMS—Wt per pair, 15 lbs	✚$46 50

Crated.

✚F. O. B. New York Factory Only.

MOTOR LAWN MOWERS

COLDWELL, MOTOR TYPE



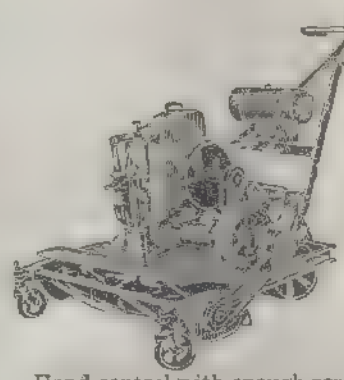
Especially adapted for parks, cemeteries and public grounds having one or more acres of lawn.

Lever control transmission to revolving cutters and drive roller; roller and knives are of the same width, which insures a proper and uniform rolling of the entire lawn with each cutting, and can be used as a motor roller alone when desired. Equipped with single cylinder, hopper cooled four cycle, battery ignition engine.

Nos.	H30	G35
Width of cut, ins	30	35
Diam of cutter, ins	7½	7½
Cut adjustment, ins	½ to 7	½ to 7
Cutting capacity, acres per day	6	8
Shipping wt each, lbs	1100	1200
Each	✚$1215 00	✚1365 00

Crated.

COLDWELL, MOTOR TYPE



Especially adapted for private lawns, parks, cemeteries, public grounds and for rolling on tennis courts. Equipped with five revolving crucible steel cutting knives and roller, knives and roller being of the same width insure uniform rolling with each cutting. Fuller and Johnston Single cylinder 4 cycle battery ignition; hopper cooled 3½ horse power S. A. E. engine; Shefler Carbureator and Dixie Magneto.

Hand control with enough reserve power to make it possible to cut close to and around trees, walks and driveways. The cutting knives are controlled and operated by power transmitted directly from motor independently of the drive roller.

No.	L25
Width of cut, ins	25
Diam of revolving cutter, ins	6
Diam of drive roller, ins	8
Adjustment for height cut, ins	½ to 2
Fuel consumption per day, gal	1
Bore, ins	3
Stroke, ins	3
Shipping wt, lbs	400
Each	✚$1290 00

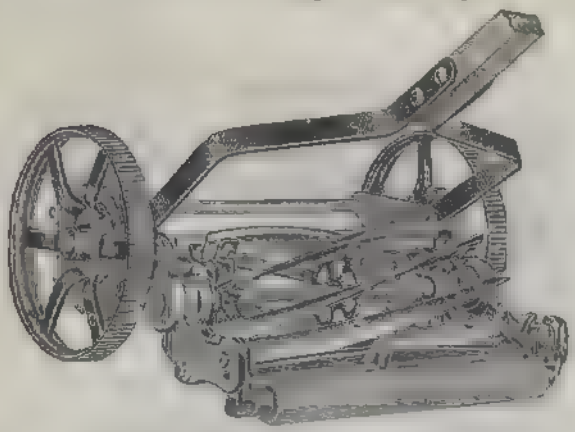
Crated.

✚F. O. B. New York Factory Only.

LAWN MOWERS

GOLF KING

For Use On Putting Greens Only.



Ball-Bearing; Triple Gear; 7 Blades.

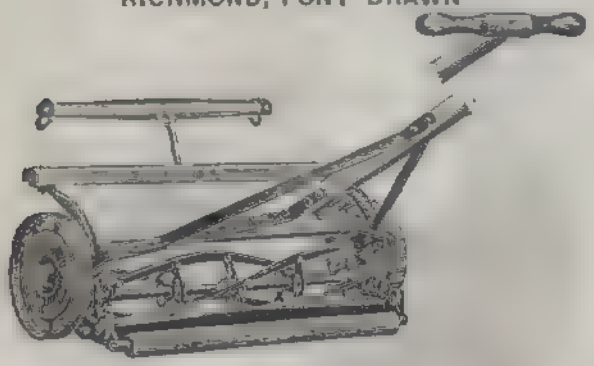
All blades crucible cast steel; patented adjustment for center of stationary knife as well as each end; drives from both ends; noiseless and light running; all friction reduced to a minimum; spoked wheels; seven revolving blades; stationary knife-bar mounted on steel cones; all blades tempered in oil, four complete sets of ball-bearings patented ball retainer ball-bearing cups and cones, will never wear or require adjustment; hardwood roller; special arrangement of handle for terrace cutting.

Diameter wheels, 10 inches; diameter cutter 6 inches. Finished in blue, silver and gold; varnished hardwood handle.

Nos.	7-14	7-16	7-18	7-20
Width cut, ins	14	16	18	20
Wt each boxed, lbs	60	65	70	75
Each	✦$53 25	60 75	64 50	✦66 00

One in wood box, handle loose.

RICHMOND, PONY DRAWN



Ball-Bearing.

A Splendid Mower for Large Lawns.

The lower straight blade in this mower is of the laid steel pattern, very heavy, guaranteed the very best grade in use. Mower can be used by one man in ordinary grass; the dray attachment can be removed without trouble; light running and durable.

Finished in gold bronze and emerald green enamel with red trimmings.

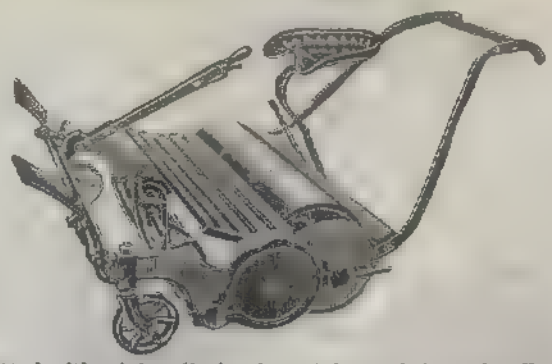
No.	31
Width, cut, ins	31
Wt each, lbs	80
Each	$118 50

Crated.

✦F. O. B. Indiana Factory Only.

LAWN MOWERS

TOWNSEND'S, HORSE DRAWN



Fitted with triple rolls, having triple pawls in each roll, making the most powerful and instantaneous driving mechanism ever put into a mower; this feature maintains the motion of blades even in turning sharp corners, where in other mowers the blades remain stationary. It will cut over rough and uneven ground, and cuts its swath clean, easily and smoothly. Instant change of height of cut can be made.

Finished in light blue with gold bronze trimmings; furnished with tool box, seat, handles, shafts and side bar attachments.

Nos.	10	12	15
Width cut, ins	30	35	38
Wt each crated, lbs	755	794	825
Each	✦$375 00	✦393 00	✦412 50

Crated.

RICHMOND, HORSE DRAWN

The frame construction is reinforced at each end with heavy steel bars. All parts are accurately machined and fitted. Equipped with graduating raising and lowering device.

Both the bottom knife and the reel are demountable without disturbing the frame of the mower. Reel bearings turn in adjustable split brass bushings. Four revolving blades, 5/16 inch in thickness are made of the best knife steel obtainable, vanadium-crucible analysis oil tempered. Double riveted malleable reel braces throughout.

Fitted with train of three gears and durable triple pawl ratchets. Diameter of drive rollers 15 inches. Reel is 8 inches in diameter and is quickly adjusted to the stationary or bottom knife. The adjusting screws are easily accessible.

Finished in bright green and red with gold bronze trimmings. Fully equipped with seat, shafts and side-draft attachments.

Nos.	30R	35R	40R
Width cut, ins	30	35	40
Wt each crated, lbs	740	790	840
Each	✦$342 00	✦360 00	✦378 00

Crated.

✦Townsends, F. O. B. New Jersey Factory Only.
✦Richmond, F. O. B. Indiana Factory Only.

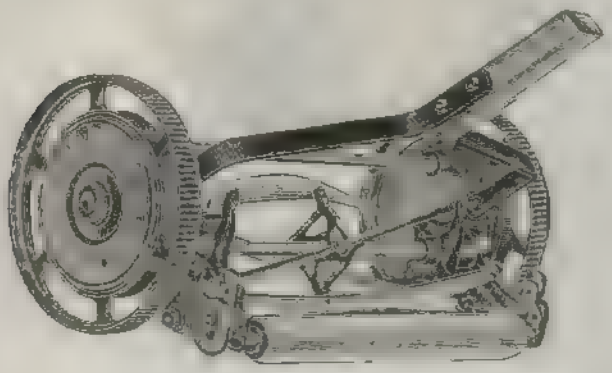
LAWN MOWERS

—BLUE RIBBON—

Full ⅝ inch diameter revolving cutter shaft used, making a very stiff revolving cutter, other manufacturers use ½ to ⁹/₁₆ inch and the reel is easily knocked out of shape leaving the grass ragged.

Stationary blades are made from crucible cast saw steel, and tempered in oil.

All revolving blades are made from crucible cast steel.



Plain Bearing.

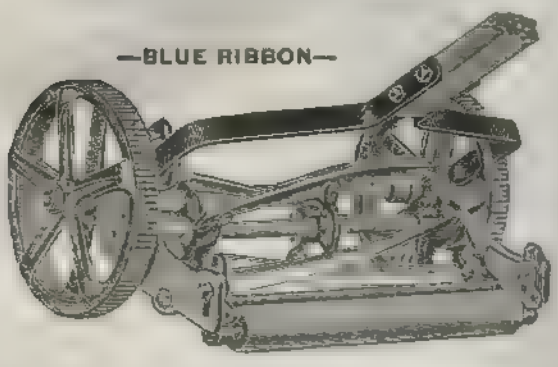
High wheel 10 inches; four revolving crucible steel blades; stationary knife bar pivoted on steel cones; heavy shafting high speed; light running; thoroughly adjustable; continuous cut; self sharpening; heavy long phosphor bronze journal bearings; saw-steel bed knife; hardwood roller; grass catcher attachment.

Finished in green, red and gold; varnished hardwood handle

Nos.	1905A-14	1905A-16	1905A-18
Width cut, ins	14	16	18
Wt each boxed, lbs	47	49	53
Each	$24 75	26 25	27 60

One in wood box, handle loose.

—BLUE RIBBON—



Ball-Bearing, With Set Screw Adjustment.

High wheel 9 inches, cutter 5½ inches diameter, four revolving crucible steel blades, open wheels, solid steel cones and cups, dust proof, adjustable ball-bearing, silent in operation.

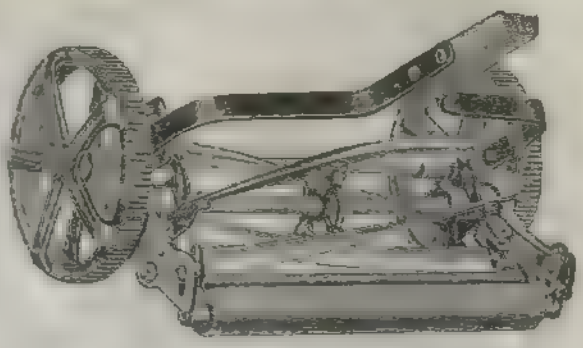
Finished in silver and gold, varnished hardwood handle.

Nos.	1909A-12	1909A-14	1909A-16	1909A-18
Width cut, ins	12	14	16	18
Wt each boxed, lbs	37	39	40	43
Each	$24 75	25 35	26 10	26 85

One in wood box, handle loose.

LAWN MOWERS

—BLUE RIBBON—



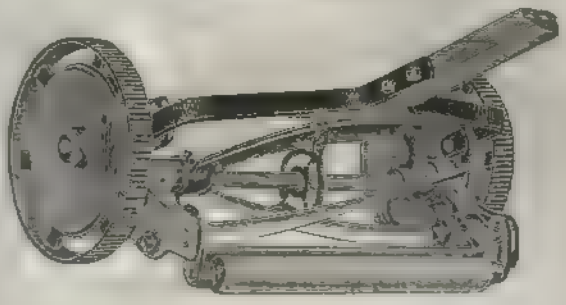
Plain Bearing, With Set Screw Adjustment.

High wheel 9 inches, cutter 5½ inches diameter. Four high quality tool steel, oil tempered revolving blades. Ball pivoted spring steel bed knife. The best plain bearing mower ever offered. Open spokes in wheel and side plates. High speed, adjustable throughout; silent in operation. All shafting full ⅝ inch in diameter. Finished in aluminum and gold.

Nos.	1913A-14	1913A-16	1913A-18
Width cut, ins	14	16	18
Wt each boxed, lbs	43	45	47
Each	$21 00	22 05	22 80

One in wood box, handle loose.

—CYCLONE—



Plain Bearing, With Set Screw Adjustment.

Low wheel, 8 inches, cutter 5½ inches in diameter, three revolving steel blades, spring steel bed knife, the best cheap mower on the market, well made, perfect in action.

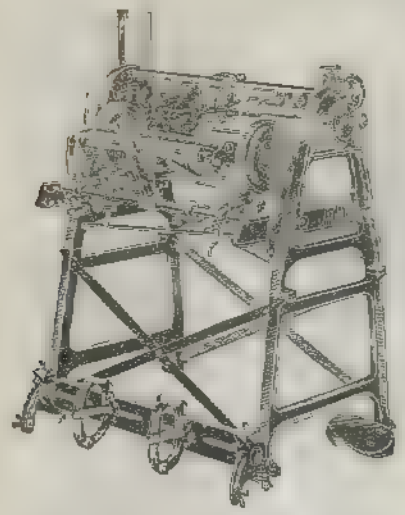
Finished in red and silver with gold stripe.

Nos.	C400A-12	C400A-14	C400A-16	C400A-18
Width cut, ins	12	14	16	18
Wt each boxed, lbs	37	39	40	43
Each	$15 00	15 75	16 50	17 25

One in wood box, handle loose.

LAWN MOWER SHARPENERS

IDEAL



Angle iron frame construction. Aluminum grinding wheel carried on a ball bearing hub by an arm with bearings on the main shaft. The arm is counterbalanced by a weight at rear of machine and the grinding wheel is free to move up and down, carried along main shaft by feed screw and sliding head. The main driving shaft is special steel, ground and polished, key seated so as to drive the hub mounted between the bearings of arm. Hub carries a sprocket which drives grinding wheel by means of a steel chain. ¾ inch feed screw carried on babbited bearings, driven by a round leather belt over large sheave pulleys. The feed is thrown in and out by means of an improved belt shifter which locks itself in either position.

Width between frame, ins	30
Frame of grinding wheel, ins	24
Size grinding wheel, ins	5x⅜
Height from floor to center main shaft, ins	36
Height over all, ins	53
Length over all, ins	44
Width, ins	20
Sub base, ins	22x34
Diam main shaft, ins	1
Tight and loose pulleys, ins	4x1⅜
Speed pulley, R. P. M	1400
Speed large hand wheel, R. P. M	200

	Each
No. 1-IP—Power grinder, gear feed; wt each 210 lbs	✚$240 00
No. 1-IHP Hand and power grinder with hand wheel, tight and loose pulleys, wt each 235 lbs	✚ 240 00

Crated.

MOTOR FOR ABOVE GRINDERS

	Each
No. 1-IM , H. P., Westinghouse, 110 volts A. C. 60 cycle, with special pulley for Ideal grinder	✚$52 50

✚F. O. B. Ohio Factory Only.

"BELKNAP AND BLUE GRASS"

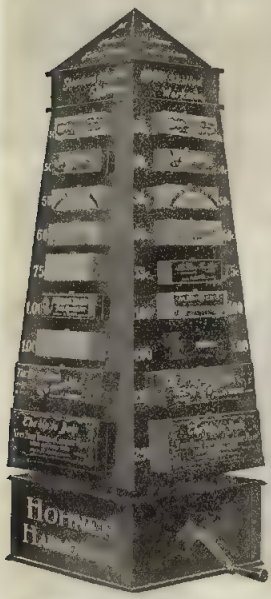
UNSURPASSED SERVICE

UNEQUALLED FACILITIES

ASSURED SATISFACTION

Your orders are appreciated and will be handled with greatest care.

Every Retail Store Should Have This Harmonica Assortment!



This is just the assortment You need

Here is a Big, Beautiful Revolving Display Stand that will sell Harmonicas for You. Solidly Constructed of Wood, Finished in Dark Mahogany, it will Lend Dignity to Any Store. In the Base Compartment is a Well Constructed Motor that Revolves the Obelisk for 3½ Hours with one Winding.

The display or obelisk stands 32 inches in height and measures 10¾ inches square at the base. It is neatly decorated with attractive silver pressings and stenciled with the number and retail price of the Harmonicas which it carries. By means of steel clamps and supports, 36 genuine Hohner Harmonicas in the keys of A, B, C, D, E, F, and G to retail at from 50 cents to $2.00 each, are fastened to the obelisk. These instruments are in a variety of twelve different styles, each one of them being an excellent seller.

You secure the complete stand and 36 of the world-famous Hohner Harmonicas as follows:

16 Asst. Harmonicas retail	$0.50	$8.00
4 Asst. Harmonicas retail	.60	2.40
8 Asst. Harmonicas retail	.75	6.00
2 Asst. Harmonicas retail	1.00	2.00
4 Asst. Harmonicas retail	1.50	6.00
2 Asst. Harmonicas retail	2.00	4.00
Total Retail Value		$28.40

No. 600 Assortment

Retail Value	Costs Merchant	Your Margin
$28.40	$21.50 Complete	$6.90 and Display Stand (Value $15.00)

Refill Assortment

Contains a Complete Refill Stock—Everything that is in the No. 600 Assortment except the Display Stand.

Per Assortment

No. 601—36 Harmonicas $18.50

Individual Open Stock of the Above Assortment

14 Double Holes, 28 Reeds on Brass Plates. Nickel Plated Cover. 4¾ Inches Long. Per Dozen
No. **153**—One in a box **$4.25**

10 Single Holes, 20 Reeds on Brass Plates. Nickel Plated, 4 Inches Long. Per Dozen
No. **132**—One in a box **$3.85**

24 Double Holes, 48 Reeds, Brass Plates. Nickel Plated Cover, 7½ Inches Long Per Dozen
No. **463**—One in a Wood Case . **$11.50**

32 Double Holes, 64 Reeds, Brass Plates. Nickel Plated Covers. Fancy Mahogany Frame. Length 7 Inches. Per Dozen
No. **48½**—One in a Handsome Wood Case **$15.00**

10 Single Holes, 20 Reeds, Brass Plates, Nickel Plated Covers. 4 Inches in Length. Per Dozen
No. **34B**—One in a Hinged Box..... **$3.75**

11 Double Holes, 32 Reeds, Brass Plates, Nickel Plated Covers. 5½ Inches Long. Per Dozen
No. **264**—One in a Hinged Box **$5.75**

22 Double Holes, 64 Reeds. Brass Plates. Nickel Plated Covers. 7½ Inches Long. Per Dozen
No. **146**—One in a Handsome Case . **$12.00**

20 Double Holes, 40 Reeds, Brass Plates. Nickel Plated Covers. 7¾ Inches Long. Per Dozen
No. **152**—One in a Case. **$7.50**

10 Double Holes, 20 Reeds, Brass Plates. Nickel Plated Covers. Length 4½ Inches. Per Dozen
No. **1896½**—One in a Wood Box..... **$5.75**

10 Double Holes, 20 Reeds, Brass Plates. Nickel Plated Covers. Length 4 Inches. Per Dozen
No. **50B**—One in a Hinged Box..... **$3.75**

10 Double Holes, 40 Reeds, Brass Plates, Nickel Plated Cover. Length 4¾ Inches. Per Dozen
No. **3CND**—One in a Hinged Box **$6.00**

16 Double Holes, 32 Reeds, Brass Plates. Nickel Plated Cover. Length 5 Inches. Per Dozen
No. **605**—One in a Hinged Box ... **$4.80**

10 Single Holes, 20 Reeds, Brass Plates Nickel Plated Covers. Length 4 Inches. Per Dozen
No. **1896**—One in a Hinged Box **$4.00**

HARMONICAS
P. Pohl
"Spear Brand"

4 Inches Long. 10 Holes, Nickel Plated Cover. Per Dozen
No. E10 ..... $ .40
One in a Box, One Dozen in Display Box

HOHNER
Sportsman

Genuine Hohner Harmonica 16 Double Holes, 32 Reeds, Tremolo Tune, Brass Plates Heavy Nickel Plated Covers, Extension Ends. A Very Attractive Instrument Measuring 5¼ Ins. in Length Accompanied by a Handsome Hinged Box with Cover Printed in Artistic Design of Many Colors.
Per Dozen
No. 254 ..... $5.75
One in a Box.

New Assortment of HARMONICAS
To Retail at 25 Cts. Each

An Assortment of Genuine Hotz Harmonicas in a Novel and Practical Counter Display, Lithographed in Four Colors.

Contains One Dozen Harmonicas; One Half Dozen Each of Nos. 01 "The Sport" and No. 02 "American Ace," Each Having 10 Single Holes, 25 Reeds, Brassed Plates and Nickel Plated Covers.

No. 019 Assortment

Retail Value $3.00 — Costs Merchant **$1.75**

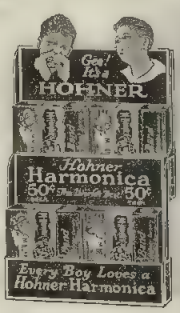
One Assortment with Display in a Box.

GET THIS HOHNER HARMONICA DISPLAY

A New Assortment That, with Small Investment, Will Make Big, Substantial Harmonica Sales. Place One on Your Counter Where the Boys Who Enter Your Store Will be Sure to See It.

Double Tier Folding Display in Four Attractive Colors. Contains One Dozen Hohner Harmonicas in Three of the Most Popular Styles, All Keys, to Retail at 50 Cts. Each.

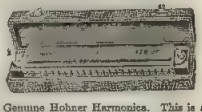
Per Assortment
No. 410—One Dozen Harmonicas and Display..... $3.80



HOHNER HARMONICA
"Marine Band Tremolo"

7¾ Inches in Length 20 Double Holes 40 Reeds, Brass Plates, Fancy Nickle Plated Covers. Mahogany Frame, Extension Ends with Handsome Gold Decorations.
Per Dozen
No. 152 ..... $7.50
One in a Beautiful Case.

The Goliath



Genuine Hohner Harmonica. This is a Very Beautiful Large Size Tremolo Harmonica Measuring 7⅞ Inches in Length. 24 Double Holes, 48 Reeds, Brass Plates. Heavy Convex Covers Nickel Plated with Open Back. An Ideal Harmonica for Concert Playing as it Has an Exceptionally High Range. Each Instrument is Packed in a Heavy Wooden Case Covered in Imitation Alligator Skin Per Dozen
No. 453 ..... $11.50
One in a Box.

Marine Band Tremolo

Genuine Double Sided Hohner Harmonica in Two Different Keys Measuring 7⅝ Ins. in Length 32 Double Holes, 64 Reeds, Brass Plates, Fancy Nickel Plated Covers, Mahogany Frame, Extension Ends with Handsome Gold Decorations. Per Doz.
No. 146 ..... $12.00
One in a Heavy Beautiful Case Handsomely Decorated with Gold Lettering.

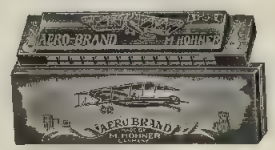
Two extra special offerings in *NEW HARMONICAS*—Great Values

"Echo"

Genuine Hohner Harmonica. A most effective instrument having newly designed covers. Measures 5 inches in length. 32 tremolo tuned reeds. 16 double holes, brass plates, fancy covers with open back. The Harmonica is accompanied by a fine hinged box of refined appearance.

	Regular Selling Price Per Dozen	Very Special Per Dozen
No. 179	$4.80	$4.00

"Aero-Brand"



Genuine Hohner Harmonica. An exceptionally attractive instrument in tremolo tuning. Measuring 4¼ inches in length. 14 double holes, 28 reeds, finely nickel plated covers. Brass plates. Packed in elegant hinged box picturing an aeroplane in flight.

	Regular Selling Price Per Dozen	Very Special Per Dozen
No. 185	$4.50	$3.85

BUY BOTH OF THESE GOOD NUMBERS

SUPPLEE-BIDDLE HARDWARE COMPANY, PHILADELPHIA

Hohner Harmonicas

"THE OLD STANDBY"

Genuine Hohner. Length, 4 Ins. 10 Single Holes, 20 Reeds, Brass Plates, Nickel-plated Cover.

Per Dozen
No. 348 ..... **$3.75**
One in a neat hinged box. Six in a package.

"THE OLD FAVORITE"

Genuine Hohner. Length, 4 Ins., 10 Double Holes, 20 Reeds, Brass Plates, Nickel-plated Covers.

Constructed Similar to the Concert Instrument Preferred by Many Players.

Per Dozen
No. 50B **$3.75**
One in a neat hinged box. Six in a package.

"MARINE BAND"

Genuine Hohner. Has a National Reputation. Length, 4 Ins., 10 Single Holes, 20 Reeds. Brass Plates. Heavy Covers Nickel-plated Covers with Open Back. Per Dozen
No. 1896 ..... **$4.00**
One in a neat hinged box. Six in a package.

"ECHO"

Genuine, Hohner. A Very Fine Tremolo Instrument. Length, 5 Ins., 16 Double Holes, 32 Reeds, Brass Plates Finely Nickel-plated Cover with Turned-in Ends Per Dozen
No. 64S **$4.80**
One in attractive hinged box. Six in a pkg.

CHROMATIC

A Harmonica Providing for Sharps and Flats in Music, not Found in the Regular Styles. Can Play Any Tune.

Heavy Nickel Plated Cover, Brass Plates, 40 Perfect Tuned Reeds and Fitted with a Patented Wind Saving Device. Operation of a Slide Permits Player to Sound Half Notes Instantly

Per Dozen
No. 260 ..... **$21.00**
One in an Imitation Leather Covered Wood Box

A NEW HOHNER HARMONICA

"Harmonette"

A Decidedly Novel and Practical Instrument Comprising a Harmonica with 14 Double Holes, 28 Accurately Tuned Tremolo Reeds, Genuine Brass Plates. Finely Nickel Plated Covers. To the Harmonica is Attached a Harp Shaped Resonato or Sound Box of Thoroughly Seasoned Wood in Mahogany, Ebony, Bird's Eye Maple Finish, Bearing Gold Impressions. Plated. Length 4⅝ Inches

Reinforced with Metal Back, Finely Nickel

Per Dozen
No. 3101 ..... **$8.00**
One in a Telescope Container with Silver Lettering

HARMONICA ASSORTMENT

The Hohner Collapsible Display Cabinet—a Handsome and Practical Case Consisting of Three Mahogany Finished Trays. Display is so Constructed that it may be Folded Together, Taking up Only One Square Foot of Space. Entire Contents of 36 Harmonicas are Displayed at One Time.

Assortment Contains 38 Hohner Harmonicas in 9 Styles, All Keys, as Follows:

22 Harmonicas to retail at	.....	$ .50
6 " " " "	.....	.60
10 " " " "	.....	.75

No. 400 Assortment

Retail Value	Dealer's Cost Including Display
$22.10	**$14.75**

This is a Fine Assortment for Any Dealer. It Consists of a Beautiful Oak Finish Collapsible Wooden Cabinet of 3 Trays. Trays may be Folded Together. Display Card in Top. The Harmonicas in this Assortment give the Dealer 78 Standard Sellers to Retail at from 10 cents to 60 cents each.

Included in the Assortment are Pohl, Hotz and Hohner Brands. Contains the Following:

2 Hohner Harmonicas to retail at						$ .50
2	"	"	"	"	"	.60
2	"	"	"	"	"	.50
6	"	"	"	"	"	.60
12 Hotz	"	"	"	"	"	.25
15 Pohl	"	"	"	"	"	.10
15	"	"	"	"	"	.10
24	"	"	"	"	"	.15

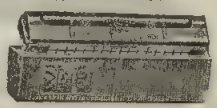
No. 700 Assortment

Retail Value	Dealer's Cost Including Display
$16.20	**$9.60**

Cracker Jack.

Length 4¼ Inches. Nickel Plated Flaring Cover. Brass Plated, Screwed. 20 Holes. Double Reed. Very Good Quality. Per Dozen
No. 110 ..... **$3.50**
One in a Neat Hinged Box. Six in a Display Box.

P. POHL "OH BOY"



A Harmonica of Fine Appearance That may Be Used for Practical Purposes. Length, 4 Ins. Nickel-plated Covers. 16 Double Holes. 32 Reeds. Per Dozen
No. 16S **$7.00**
One in a box. Six in a package.

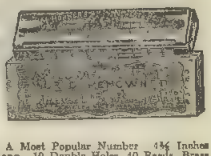
HARMONICAS
Hohner's
"Auto-Valve-Harp"

10 Double Holes, 40 Reeds. Brass Plates. Nickel Plated Covers. Full Concert Style. Easy Blowing, Fitted with Improved Wind Saving Device. Per Dozen
No. 105 ..... **$8.00**
One in a Hinged Box

"Chimes"

Medium Size, Double Sided Tremolo. 48 Reeds. Brass Plates. Nickel Plated Covers, Rounded Ends. Per Dozen
No. 59 ..... **$7.50**
One in a Colored, Hinged Box.

Full Concert Harp

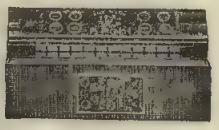


A Most Popular Number 4⅝ Inches Long. 10 Double Holes, 40 Reeds, Brass Plates. Nickel Plated Cover with Turned in Ends. Per Dozen
No. 3CND **$6.00**
One in a Hinged Box

"Up-to-Date"

Measures 4⅝ Inches in Length. Concert Size 10 Double Holes. 20 Reeds. Brass Plates, Nickel Plated Convex Cover Per Dozen
No. 1896½ **$5.75**
One in a Wooden Case.

P. Pohl
"Tremolo Concert"



4 Inches Long 2 Metal Plates, 10 Reeds, 24 Holes. Ebonized Frame, Nickel Plated Covers Per Dozen
No. 164 ..... **$ .75**
One in a Colored Box

TOILET CLIPPERS

Priest's Boudoir

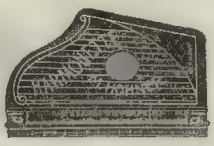
Extra Quality, Nickel Plated, Narrow Plates, Light-weight Frame, Side Adjustment, Bressant Pattern Spring. The Closest Cutting Clipper Made. Particularly Adapted for Bobbing Hair.

Per Pair

No. 440/0000—To Cut Hair About Equal to Shaving.....**$1.80**

One pair in a box.

A NEW HOHNER HARMONICA "Harmhnette"



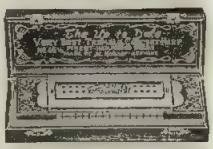
A Decidedly Novel and Practical Instrument Comprising a **Harmonica with 14 Double Holes, 28 Accurately Tuned Tremolo Reeds,** Genuine Brass Plates. Finely Nickel Plated Covers. To the Harmonica is Attached a Harp Shaped Resonator or Sound Box of Thoroughly Seasoned Wood in Mahogany, Ebony, Bird's Eye Maple Finish, Bearing Gold Impressions, Reinforced with Metal Back, **Finely Nickel Plated.**

Per Dozen

No. 3101—Length 4½ Inches...**$8.00**

One in a Telescope Container with Silver Lettering.

HOHNER HARMONICA Up-to-Date

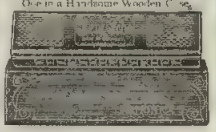


Tremola Harmonica. Double Steel, Two Different Keys 32 Double Holes, 64 Reeds. Brass Plates, Nickel Plated Covers. Mahogany Finish Frame. Length 7 Inches.

Per Dozen

No. **46½** ... **$15.00**

One in a Handsome Wooden Case.



14 Double Holes, 28 Reeds Mounted on Brass Plates, and of Octave Tremolo Tuning, Nickel Plated Covers and Artistic Designing Turned-in Ends. Measures 4¼ Inches in Length.

Per Dozen

153... ... **$4.25**

One in a Telescope Box with Silver Ornaments.

Giant of All Values

TREX RIM TOOL

It Works Like a Jack

It Opens the Rim

It Expands the Rim

You Won't have any Trouble Selling the Trex Tire Tool. It Sells Itself. When Your Customer Sees the Absolutely Sound and Logical Principle of the Trex, Its Ease of Operation, and Its Light, Strong, Durable Construction, He is Sold.

	List or Retail	Regular Selling Price	Very Special Each	Very Special In Lots of One Dozen
No. 600...	$6.00 Each	$3.60 Each	**$2.75**	**$30.00** Per Dozen

One in an Attractive Box.

ILLINOIS WATCHES

Watches That Strongly Combine Elegance and Reliability

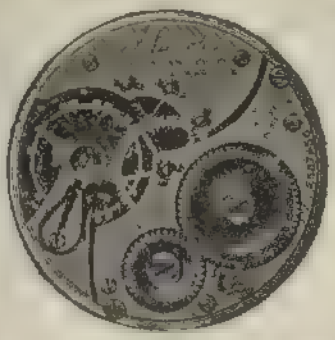
Reliable Make Cases

Illinois Watches are subject to Special Discount. Write for Prices

ILLINOIS

12 size, open face, gold filled case, latest model engraved bezel assorted fancy engraved designs. Case guaranteed to wear for 20 years. Fitted complete with 17 jewel adjusted Illinois movement.
No. 9W205. Each, complete **19.09**

19 jewel, adjusted 3 position.
No. 9W206. Each, complete **23.34**



A. LINCOLN

12 size, open face, 10 year screw engraved case, fitted with 21 jewel A. Lincoln
No. 9W207. Each, complete **31.50**

12 size, open face, 14k solid gold jointed dust-proof Lincoln case, with fancy display boxes
No. 9W208. Each, complete **38.15**

AUTOCRAT

12 size, open face, 17 jewel adjusted Illinois 25 year white gold filled case, with fancy display boxes.
No. 9W209. Each, complete **26.50**

As above in green gold filled
No. 9W210. Each, complete **26.50**

Adjusted to Six Positions

ILLINOIS

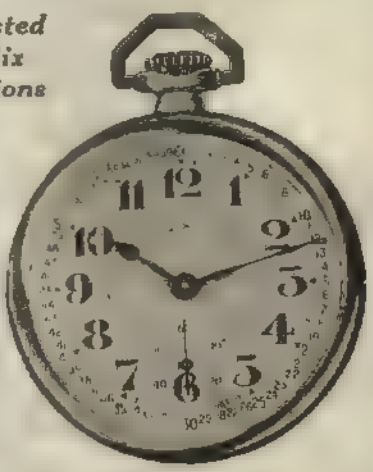
16 size, open face, 20 year engraved screw case, 17 jewel adjusted Illinois movement
No. 9W211. Each, complete **19.74**

As above, 19 jewel adjusted 3 position.
No. 9W212. Each, complete **23.99**

BUNN SPECIAL

16 size open face, 20 year screw engraved 23 jewel Illinois, Bunn Special
No. 9W213. Each, complete **39.24**

16 size open face, 20 year plain polished dust proof swing ring case
No. 9W214. Each, complete **39.58**



BUNN SPECIAL

16 size, open face, 20 year screw engraved 21 jewel Bunn Special, Illinois
No. 9W215. Each complete **34.49**

16 size open face, 20 year plain polished dust-proof swing ring, 6 positions
No. 9W216. Each, complete **34.81**

High Grade Railroad Watches

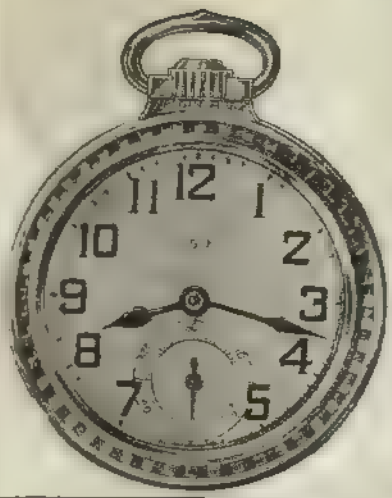
Will Pass Inspection on Any Railroad in United States, Canada and Mexico

Watches on this Page Are Subject to Special Discount

10K FILLED FURNISHED ONLY IN REGULAR GOLD

$60

Bunn Special Railroad Watch, high grade 10k gold filled case, smooth back and bezel, dust-proof pendant, 21 jewel [illegible] movement, adjusted to six positions, double sunk enameled dial or with Montgomery enameled dials without extra charge. Watch will run in excess of 40 hours on one winding. A high grade dependable, durable and an excellent timekeeper. One of the most popular railroad watches made
No. 9W217. Each . . . **32.50**



B. W. Raymond, 21 Jeweled Elgin Movement, 8 adjustments (5 of them position) fine enamel dial with big clear figures, or Montgomery dial. Carefully timed and regulated to the case at the factory. 16 size open face, 12K gold filled quality case of extra heavy stock, screw dust proof pendant, heavy solid gold bow. A high grade thoroughly dependable railroad watch.
No. 9W225.
Each, complete **31.65**

Waltham Crescent Street, 16 size, open face, 21 ruby and sapphire jewels, adjusted to temperature and [illegible] positions. Steel escape wheels. White enameled dials or with Montgomery numerals with [illegible] 14k gold filled case specially [illegible] dust-proof pendant, bow and crown. Engraved border. Plain or fancy engraved [illegible]
No. 9W232. [illegible] complete **35.70**

Vanguard Fine Grade Railroad Watch, [illegible] adjusted to [illegible] positions [illegible] temperatures [illegible] ner terminal hair spring double [illegible] steel escape wheels, with 10 kt gold filled case, specially designed for railroad use with dust-proof pendant bow and crown. Engraved border, [illegible] engraved [illegible]
No. 9W230. [illegible] complete **46.70**
As [illegible] Vanguard adjusted to [illegible] positions [illegible] regulator
No. 9W231. [illegible] complete **43.70**

High Grade Railroad Watches

Bunn Special Railroad Watch. 21 extra quality, ruby and sapphire jewels, raised gold setting. Adjusted to six positions. Double sunk enamel dial or with Montgomery diagram dials. Fitted in 14 kt gold filled case specially designed for railroad service with dust proof pendant.
No. 9W218. Green gold filled case. Each . . . **36.00**
No. 9W219. White gold filled case. Each . . . **36.00**

Will Pass Inspection on Any Railroad in United States, Canada, and Mexico

Watches on this Page Are Subject to Special Discount

Bunn Special, Railroad Watch. 21 extra quality ruby and sapphire jewels. Adjusted to six positions, temperature and isochronism. Special rating and timing. Fitted complete in 10k gold filled case, specially designed for railroad use, dust-proof pendant, bow and crown, engraved border, plain or engraved back.
No. 9W220. Each complete . . . **39.45**

Dueber Hampden, New Railway and Railroad Watch. 21 extra fine ruby and sapphire jewels in solid gold setting. Adjusted to 5 positions. White enameled dial. Fitted complete in 10k gold filled case, specially designed for railroad use and dust-proof pendant, bow and crown. Knurl bezel, plain back.
No. 9W224. Each, complete . . . **34.01**

Illinois Sangamo, Special Railroad Watch. 23 extra quality ruby and sapphire jewels in gold setting, adjusted to 6 positions. Steel escape wheel, gold train. White enameled or Montgomery dials. Fitted in 14k gold filled extra weight, screw back, hinge bezel case specially designed for railroad service. Rated and timed at the factory.
No. 9W221. Each . . . **50.00**

18-SIZE ELGIN WATCHES

Elgin Watches are subject to a discount. Write for confidential net price list.

18 Size Open Face, screw back and bezel nickel, 2 oz. case, plain polished or fancy engraved designs.

No. 9W150. Fitted complete with 7 jewel Elgin nickel movement.
Each 8.77

No. 9W151. Fitted complete with 15 jewel Elgin movement
Each 9.07

No. 9W152. Fitted complete with 17 jewel Elgin movement
Each 10.32

18 Size Elgin Movement, lever set, open face, pendant set, nickel, 7 jewels in settings, ruby balance jewels, exposed pallet stones, compensation balance, breguet hair spring with polished oval regulator, dust ring, sunk second dial, finely damaskeened.

16 Size. Open face, screw bezel, solid back, nickel swing ring case, plain polished.

No. 9W153. Fitted complete with 7 jewel Elgin nickel movement
Each 7.29

No. 9W154. Fitted complete with 15 jewel Elgin movement.
Each 9.59

No. 9W155. Fitted complete with 17 jewel Elgin movement
Each 10.84

18 Size, open face, screw back and bezel gold filled, 5 year quality.

No. 9W156. Fitted complete with 7 jewel, nickel, Elgin movement
Each 7.87

No. 9W157. Fitted complete with 15 jewel nickel Elgin movement.
Each 10.17

No. 9W158. Fitted complete with 17 jewel, nickel Elgin movement.
Each 11.42

15 Size, open face, gold filled case. **Warranted to wear for 10 years,** assorted fancy designs

No. 9W159. Fitted complete with 7 jewel nickel Elgin movement.
Each 9.30

No. 9W160. Fitted complete with 15 jewel Elgin movement.
Each 11.40

No. 9W161. Fitted complete with 17 jewel Elgin movement.
Each 12.65

18 Size. Open face gold filled cases, **warranted to wear for 20 years,** engine turned.

No. 9W162. Fitted complete with 7 jewel nickel Elgin movement
Each 13.25

No. 9W163. Fitted complete with 15 jewel Elgin movement.
Each 15.55

No. 9W164. Fitted complete with 17 jewel Elgin movement
Each 16.80

IMPORTED DOLLS

DRESSED

Composition body; moving eyes; jointed hips and shoulders; bisque turning head; open mouth showing teeth; mohair wig; assorted solid colored cotton dresses; large collars trimmed with lace and braid; straw hat trimmed with feathers.

Per Doz

No. 714—Height 11⅛ ins..... $18 00

One-twelfth doz in cardboard box; wt per doz 9 lbs.

DRESSED

Composition body; moving eyes; jointed hips and shoulders; bisque turning head; open mouth showing teeth; mohair wig; dressed in assorted style dresses of neat designs; hats to match.

Per Doz

No. 716—Height 12⅝ ins.... $24 00

One-twelfth doz in cardboard box; wt per doz 9 lbs.

DRESSED

Composition body, moving eyes; jointed hips and shoulders; bisque turning head; open mouth showing teeth; mohair wig; dressed in assorted colored dresses; trimmed with lace; straw hats.

Per Doz

No. 717—Height 13½ ins.... $24 00

One-twelfth doz in cardboard box; wt per doz 10 lbs.

DRESSED

Composition body; moving eyes; jointed hips and shoulders; bisque turning head; open mouth showing teeth; mohair wig; dressed in assorted colored dresses; trimmed with lace and ribbon; straw hat trimmed with ribbon.

Per Doz

No. 718—Height 13½ ins..... $27 00

One-twelfth doz in cardboard box; wt per doz 12 lbs.

IMPORTED DOLLS

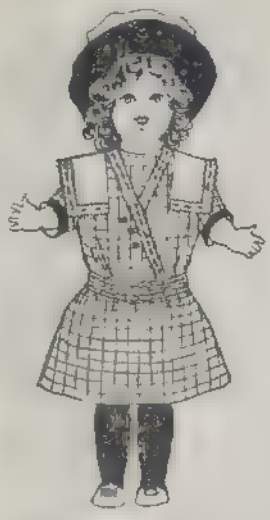
DRESSED

Composition body; moving eyes; jointed hips and shoulders; bisque turning head; open mouth showing teeth; mohair wig; dressed in assorted colored gingham dresses; trimmed with lace and ribbons; straw hats to match.

Per Doz

No. 719—Height 15 ins.... $29 25

One-twelfth doz in cardboard box; wt per doz 12 lbs.



DRESSED

Composition body; moving eyes; jointed hips and shoulders; bisque turning head; open mouth showing teeth; mohair wig; dressed in assorted solid color lawn dresses; blouse of same material trimmed with lace, large white yoke trimmed with lace; skirt trimmed with lace; large straw hat trimmed to match.

Per Doz

No. 720—Height 14⅛ ins $39 00

One-twelfth doz in cardboard box; wt per doz 15 lbs.

DRESSED

Composition body; moving eyes; bisque turning head; open mouth showing teeth; mohair wig; jointed hips and shoulders; dressed in assorted solid color lawn dresses with white yoke and large collars edged with braid and lace; hat to match; removable shoes and stockings.

Per Doz

No. 721—Height 15¾ ins..$39 00

One-twelfth doz in cardboard box; wt per doz 15 lbs.

DRESSED

Composition body; moving eyes; hips and shoulders; bisque turning head; open mouth showing teeth; mohair wig; dressed in solid color dresses trimmed with lace; removable shoes and stockings.

Per Doz

No. 812—Height 11½ ins.... $24 00

One-twelfth doz in cardboard box; wt per doz 9 lbs.

GALLOPING HORSES

Turned body, carved head and legs, shaped hoofs with horseshoes. Dapple grey finish, red stand, enameled iron arch and hangers. Hair mane and tail, glass eyes. Leatherette English saddle, breastband and martingale. Velour saddle blanket with fringe.

Each

No. 419—28½ ins high, 6x6 in. block, 17¾ ins long $22 50

One in crate; wt each 30 lbs.

SHOO FLIES

Per Doz

No. 10—Natural finish, varnished; plain seat and footboard; red rockers; horses, bridles and saddles painted in black; seat 18x39 ins $15 00

(Sold in full crate lots only).

Half doz in crate, K. D.; wt per doz 100 lbs.

Per Doz

No. 15—Natural finish, varnished, seat, rockers and foot-board painted red; seat upholstered in cretonne; horses, bridles and saddles painted in black; horses have tails; seat 18x30 ins ... $54 00

(Sold in full crate lots only).

Half doz in crate, K. D.; wt per doz 102 lbs.

Per Doz

No. 20—Natural finish, varnished; seat, foot board and rockers painted red; seat upholstered in cretonne; horses, bridles and saddles painted in two colors; horses have Palma tails; seat 21x39 ins $63 00

(Sold in full crate lots only).

Half doz in crate, K. D.; wt per doz 125 lbs.

SHOO FLY ASSORTMENTS

Per Ass't

No. 36—Ass't consists of 6 Shoo Flies—two each of Nos. 10, 15 and 20 ..... $28 50

(Sold only in full crate lots, K. D).

One ass't in crate; wt per ass't 60 lbs.

Domestic wood, natural finish; horses painted white and have Palma tails; rockers, footboard, seat and toybox painted red; seat upholstered in cretonne.

Per Doz

No. 22—Size 22x44 ins $81 00

Half doz in crate; wt per doz 150 lbs.

SHOO FLIES

Domestic wood, natural finish; horses painted white and dappled; the swinging base is painted red and striped; footboard, seat and toybox are painted red; seat upholstered in cretonne.

Per Doz

No. 24—Size 25x35 ins ... $114 00

One-third doz in crate; wt per doz 215 lbs.

Made of hardwood, stained antique finish and varnished. Bridles, saddles and all decorations are done by hand in colors; real hair manes and tails; seat is of extra height in the back and is upholstered in corduroy. The footboard and box are decorated by hand; seat, rockers and footboard are painted red.

Per Doz

No. 26—Size 22x44 ins $138 00

Half doz in crate; wt per doz 165 lbs.

IMPORTED DOLLS

DRESSED

Composition body; moving eyes; jointed hips and shoulders; bisque turning head; open mouth showing teeth; mohair wig; dressed in assorted colored cotton dresses trimmed with lace; bonnets to match; painted shoes and stockings.

Per Doz

No. 710—Height 7½ ins $6 30

One-twelfth doz in cardboard box; 12 boxes in pkg; wt per doz 3 lbs.

DRESSED

Composition body, moving eyes; jointed hips and shoulders; bisque turning head; open mouth showing teeth, mohair wig, dressed in assorted patterns of cotton dresses; large collars trimmed with lace; straw hat trimmed to match.

Per Doz

No. 711—Height 9½ ins ... $12 00

One-twelfth doz in cardboard box; 12 boxes in pkg; wt per doz 6 lbs.

DRESSED

Composition body; moving eyes; jointed hips and shoulders; bisque turning head; open mouth showing teeth; mohair wig; dressed in assorted styles of colored cotton dresses; large collars trimmed with lace; large straw hat; removable shoes and stockings.

Per Doz

No. 712 Height 9½ ins $12 75

One-twelfth doz in cardboard box; wt per doz 6 lbs

IMPORTED DOLLS

DRESSED

Composition body; moving eyes; jointed hips and shoulders; bisque turning head; open mouth showing teeth; mohair wig; dressed in accordian pleated blouse, solid color material; white yoke; large accordian pleated collar of same material, over collar trimmed with ribbon rosettes and streamers; straw hat to match; removable shoes and stockings.

Per Doz

No. 722—Height 18¼ ins.....$60 00

One-twelfth doz in cardboard box; wt per doz 24 lbs

DRESSED, FULL JOINTED

Bisque body; full jointed; bisque turning head; open mouth showing teeth; mohair wig; dressed in assorted colors; dresses trimmed with ribbon and lace; removable shoes and stockings.

Per Doz

No. 813—Height 14 ins..... $33 00

One-twelfth doz in cardboard box; wt per doz 12 lbs

DRESSED—FULL JOINTED

Bisque body; moving eyes; bisque turning head; open mouth showing teeth; mohair wig; jointed hips and shoulders; dressed in assorted colored goods and sport coat; hat to match; removable shoes and stockings.

Per Doz

No. 815—Height 11¾ ins.$34 50

One-twelfth doz in cardboard box; wt per doz 12 lbs.

DRESSED—FULL JOINTED

Bisque body; moving eyes; bisque head; open mouth showing teeth; mohair wig; jointed hips and shoulders; dressed in cotton dresses; white flannel jackets; imitation ermine collar hat same material; removable shoes and stockings.

Per Doz

No. 816—Height 13⅜ ins..... $60 00

One-twelfth doz in cardboard box; wt per doz 24 lbs.

IMPORTED DOLLS

DRESSED—FULL JOINTED

Bisque body; moving eyes; bisque head; open mouth showing teeth; mohair wig; jointed hips and shoulders; dressed in fancy colored dresses; trimmed with lace; hat to match; removable shoes and stockings.

Per Doz

No. 818—Height 15 ins.$66 00

One-twelfth doz in cardboard box; wt per doz 24 lbs.

DRESSED—FULL JOINTED

Bisque body; moving eyes; bisque turning head; open mouth showing teeth; mohair wig; jointed hips and shoulders; dressed in fancy colored dresses with hat to match; removable shoes and stockings.

Per Doz

No. 819½—Height 18 ins.....$99 00

One-twelfth doz in cardboard box; wt per doz 28 lbs.

DRESSED—FULL JOINTED

Bisque body; moving eyes; bisque turning head; open mouth showing teeth; mohair wig; dressed in colored crepe dresses with ribbon sashes; lawn hat; lace trimmed.

Per Doz

No. 820—Height 17 ins.$108 00

One-twelfth doz in cardboard box; wt per doz 24 lbs.

IMPORTED DOLLS

DRESSED—FULL JOINTED

Bisque body; moving eyes; bisque turning head; open mouth showing teeth; mohair wig; dressed in striped cotton dresses with felt jackets of assorted colors trimmed with felt collars and cuffs; hats to match.

	Per Doz
No. 822—Height 19 ins.	$156 00

One-twelfth doz in cardboard box; wt per doz 28 lbs.

BISQUE—FULL JOINTED

Composition; jointed at hips and shoulders; bisque turning head; moving eyes and eyelashes; bisque head; open mouth; curly hair; cotton embroidered chemise.

With Painted Shoes and Stockings.

Nos.	910	911
Height, ins	8	10½
Doz in box	1	½
Wt doz, lbs	5	8½
Per Doz	$6 30	12 75

With Removable Shoes and Stockings.

No.	914
Height, ins	14½
Doz in box	1
Wt per doz, lbs	12
Per Doz	$24 00

BISQUE—FULL JOINTED

Extra quality; moving eyes with eyelashes; open mouth showing teeth; full curly mohair wig, side part and ribbon bow; white chemise with collar and sleeves edged with lace; removable shoes and stockings.

Nos.	918	923	925
Height, ins	18½	23	25½
Wt doz, lbs	18½	22	29
Per Doz	$48 00	60 00	66 00

One-twelfth doz in cardboard box.

IMPORTED DOLLS

CHARACTER BABY DOLLS

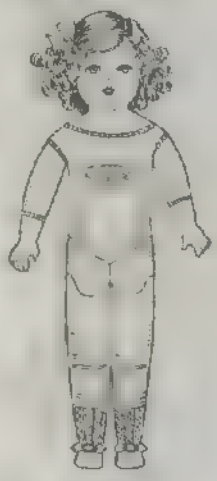
Composition body with baby crooked arms and limbs; bisque turning head; moving eyes; open mouth showing teeth; baby mohair wig; cotton chemise with large collar.

Nos.	1008	1010	1011
Height, ins	8¼	9¼	7⅛
Doz in box	1	½	⅛
Wt doz, lbs	11½	15	18
Per Doz	$12 00	19 50	25 50

Nos.	1013	1016	1020
Height, ins	15⅜	15⅜	19
Doz in box	½	½	½
Wt doz, lbs	21	25	29½
Per Doz	$34 50	48 00	87 00

PINK MUSLIN—HAIR STUFFED

Pink muslin body, stuffed with hair; bisque head and forearm; painted hair and eyes; black stockings; removable shoes; black trimmed on white with silver buckles.



Nos.	1111	1112
Height, ins	8¾	13¼
Wt per doz, lbs	8½	10½
Per Doz	$6 00	12 00

One-twelfth doz in cardboard box.

KIDLYNE—HIP JOINTED

Kidlyne body, jointed at hip; bisque head with moving eyes; open mouth showing teeth; full curly mohair wig with two bows; bisque hands; removable shoes and stockings in assorted colors.

Nos.	1113	1114	1116	1118
Height, ins	11½	12⅝	13¼	14¼
Doz in box	½	1	⅛	⅛
Wt per doz, lbs	10	13	16	22
Per Doz	$15 00	19 50	25 50	31 50

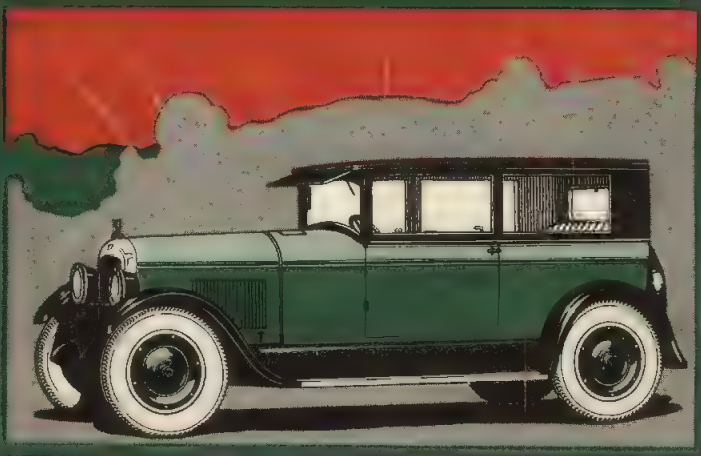
KIDLYNE—FULL JOINTED

White kidlyne washable body; jointed at hips, knee, shoulders and elbows; bisque head; moving eyes; open mouth; curly mohair wig; removable shoes and stockings.

Nos.	1217	1219
Height, ins	15	17
Wt doz, lbs	15	23
Per Doz	$39 00	48 00

Nos.	1221	1224
Height, ins	19½	21
Wt per doz, lbs	30	35
Per Doz	$69 00	87 00

One-twelfth doz in cardboard box.



The New-Day Jewett Sedan

HERE is the car you sell—the remarkable New-Day Jewett Sedan at only $995. Truly a new-day car for new-day needs.

Built into this car is typical Jewett performance—typical Jewett power and speed and safety—with an economy of operation almost 20% greater than any former Jewett.

It has Paige Hydraulic 4-wheel brakes and it is the only car selling at or near its price that offers hydraulic brakes as standard equipment.

The New-Day Sedan is the roomiest car of its type in the world—its steel body provides maximum safety and maximum visibility. The deadly "blind spot" has been almost completely eliminated. And a wide expanse of clear glass affords unobstructed vision in every direction.

Finished in durable, long-lasting lacquer—in two beautiful shades of color—here is a car that could readily be sold on any one of its many New-Day features. It could be sold on its appearance—on its quality—on its performance—or on its price.

Think—then—of the unparalleled opportunity that awaits the dealer who can sell a car that so fully and completely embodies each *and every one* of these desirable and essential qualities!

$995

Paige-Detroit Motor Car Co.,
Detroit, Michigan.

Gentlemen:

I would like some information on the Paige-Jewett franchise.

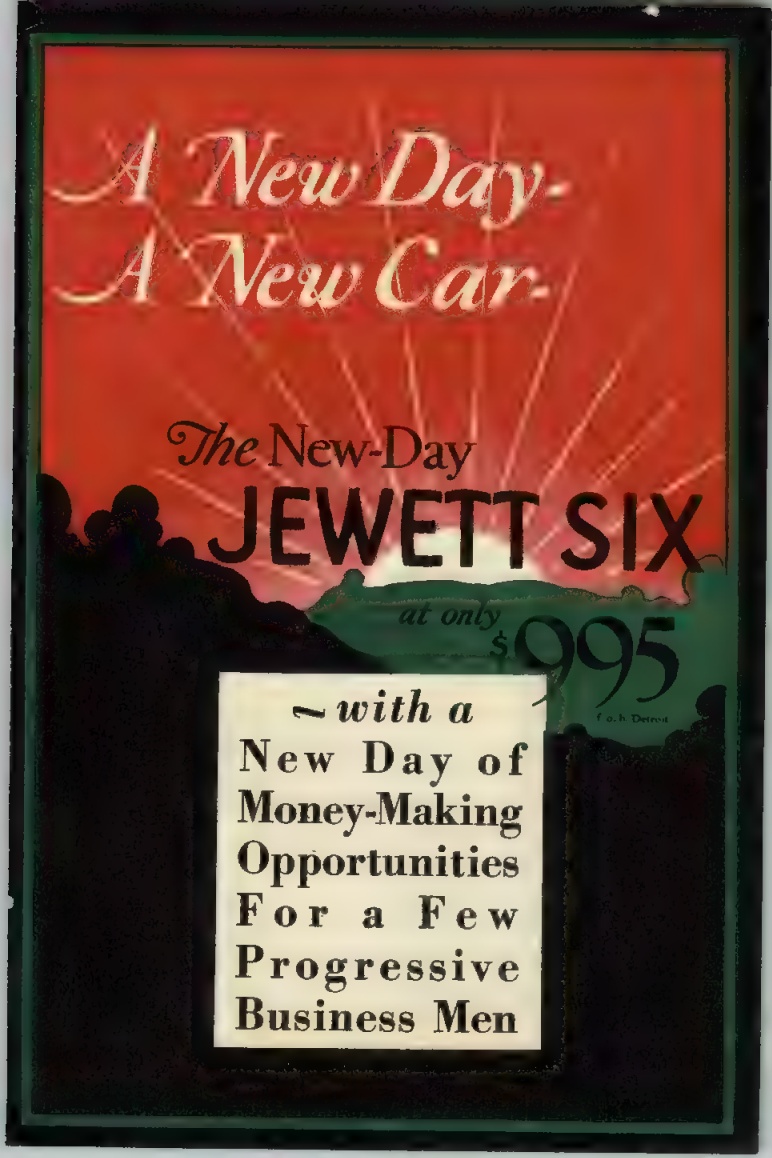
Name.....

Address.....

Cars Now Handled.....

Opportunity Knocks But Once—Mail this Coupon today!

ATJ


A New Day-
A New Car-
The New-Day
JEWETT SIX
at only $995
f. o. b. Detroit
~with a
New Day of
Money-Making
Opportunities
For a Few
Progressive
Business Men

You Can

a More Sound, More Permanent with the New-Day

JEWETT'S SEVENTEEN-YEAR SUCCESSFUL HISTORY INSURES PERMANENCY; JEWETT QUALITY AT NEW LOW PRICES INSURES VOLUME—AND VOLUME INSURES LARGER PROFITS.

RELENTLESS WAR wages in the motor car industry.

It is the age-old fight for survival—for life!

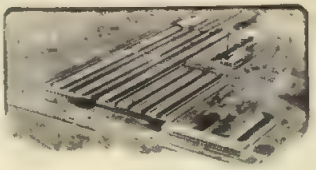
Every year, this fight takes new toll of the weak and the struggling, and business re-concentrates itself in the hands of fewer and fewer makers.

Think of it—today 94% of all the world's motor cars are built by only 14 manufacturers. And the other 6% are split up among 53 builders.

Look you, then, first to the organization—to its history, its prestige, its reputation, its soundness, and its permanency—you who would establish a sound and permanent business of your own.

The financial strength of the Paige-Detroit Motor Car Company is unquestioned. Its assets today total more than $17,000,000. Its cash resources (Sept. 25, 1925) were $4,800,000.

It has never built an inferior car—never known an "off year"—never suffered a financial reverse. It has never been reorganized—and never refinanced.



A veteran, unchanging personnel has from the beginning directed Paige and Jewett policies. President Harry M. Jewett, as well as the heads of every important company division, have been on their respective jobs since this organization was founded seventeen years ago.

So much for Paige-Jewett *permanence*—for Paige-Jewett *personnel*—and for Paige-Jewett *policies*. Paige-Jewett has also a *plant* that surpasses any in the industry.

In its great new factory at Detroit, 1,100,964 square feet of floor space is scientifically planned, adequately equipped and skillfully manned to produce normally 500 quality cars per day.

No other manufacturer of motor cars today can offer a franchise backed with a *prestige*—a *permanence*—a *personnel*—a *plant* and a *product* that equals those of Paige-Jewett.

Scores of automobiles have come and gone in the seventeen years of Paige-Jewett growth. But Paige-Jewett deal-

Establish
and More Profitable Business
Jewett Franchise!

ers have made money during these seventeen years.

This year and next, Paige-Jewett dealers are going to do a better business and a more profitable business than they have ever done before. For Paige has built a new car. Not only a new car, but an entirely new type of motor car—the New-Day Jewett.

So widespread is the interest in this New-Day motor car that it seems needless to refer to it at great length in this message. Surely there is not a motor car dealer in all America who does not now know how completely and satisfyingly this New-Day car meets and masters every new day need.

And surely there is not one of these dealers who does not appreciate what a tremendous widespread demand will everywhere be created for this remarkable new car. Priced at only $995—this New-Day Jewett instantly appeals to a much wider market than any earlier Jewett. On price alone, it bids for business among those to whom price is a matter of major consideration. And on quality alone—on its adaptability to new-day driving needs—it appeals to those to whom price is of no consideration.

Note the wide, unobstructed vision from the driver's seat; the roomy comfort everywhere!

And we who have watched the motor car industry with microscopic care for 17 years—we who are vitally concerned not only with our own success but with the individual success of each and every one of our dealers—we honestly believe that the new Paige-Jewett line will offer the dealer fortunate enough to secure the franchise, an unparalleled and unequaled opportunity to establish not only a sound and permanent business—but about the most profitable kind of business possible to establish in motor cars.

$20,000,000 have been spent in advertising to make the Paige and Jewett names well and favorably known wherever cars are sold and driven. This year new millions will be spent!

And last — but not least — Paige-Jewett offers this year a "Time Payment Purchase Plan" with rates as low as any other in the entire industry—and with many unique and desirable features not found in any other plan.

The Paige-Jewett dealer has back of him a prestige and permanence without equal—he has a product that can meet and conquer any competition—and he can sell this car on a payment plan as desirable and as inexpensive as any other in the industry.

SAFETY FUSE

For Dynamite and Blasting Powder.

Prices on application.

	List Price Per 1000 Ft
Cotton Fuse.	
No. 1C—For use in dry work only, very pliable. Will burn 1 ft in 30 seconds; wt 13 lbs per 1000 ft	✣$7 10
Beaver Fuse.	
No. 2B—For use in damp work and most agricultural blasting. Will burn 1 ft in 30 seconds; wt 20 lbs per 1000 ft	7 00
Single Tape Fuse.	
No. 3ST—For use in damp work. Will burn 1 ft in 30 seconds; wt 20 lbs per 1000 ft	7 70
Clover Fuse.	
No. 5CL—For use in wet work. Wt 20 lbs per 1000 ft	7 70
Anchor Fuse.	
No. 4A—For very wet work, a standard mining fuse. Will burn 1 ft in 30 seconds; wt 20 lbs per 1000 ft	8 65
Double Tape Fuse.	
No. 5DT—For use in wet work. Wt 20 lbs per 1000 ft	8 65
Crescent Fuse.	
No. 6CR—For very wet work, a standard mining fuse. Will burn 1 ft in 30 seconds; wt 20 lbs per 1000 ft	8 65

Packed in cases; 1000 ft and 6000 ft in case

CAP CRIMPER AND FUSE CUTTER

GOLD MEDAL

Will fasten the cap on to the fuse firmly and absolutely watertight. Only tool necessary for users of dynamite. Round end handle for punching cap holes; end cutter for crimping caps; side cutter for cutting off fuse; nickel plated steel.

	Each
No. 10—Length 5⅜ ins	$1 30

One in carton, 1 in

BLASTING PAPER

BIG DRIVE

Superior waterproof paper.

Nos.	BD91	BD121½	BD125
Width, ins	9	12	12
Wt per roll, lbs	1	1½	5
Per 100 Lbs.	$24 00	24 00	24 00

No. BD91 packed 25 and 100 rolls in case; balance packed loose

HERCULES

Nos.	H9-1	H12-1½	H12-5
Width, ins	9	12	12
Wt per roll, lbs	1	1½	5
Per 100 Lbs.	$21 30	21 30	✣19 05

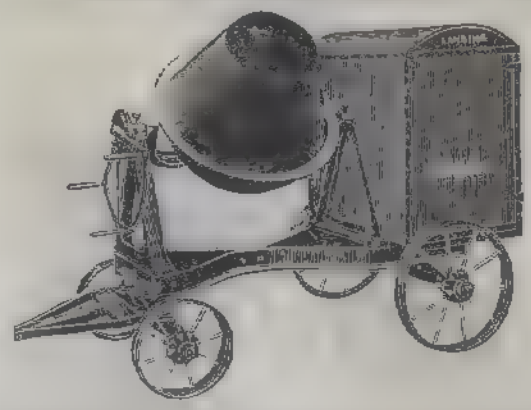
No. H9-1 packed 100 rolls in case; No. H12-1½ packed 50 rolls in bundle and No. H12-5 packed 5 rolls in bundle.

✣**No. 1C—F. O. B. Connecticut Factory Only.**

✣**No. H12-5—F. O. B. Ohio Factory Only.**

CONCRETE MIXERS

LANSING, BRONCHO SPECIAL



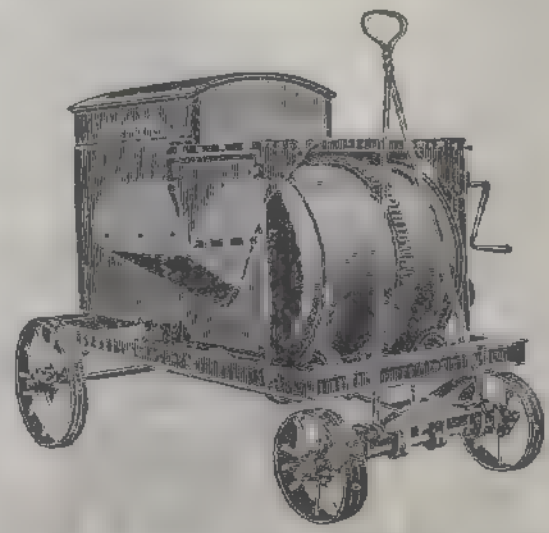
The Broncho Special is a popular mixer which can easily be moved about from one job to another. It is a general utility machine and suitable for mixing common concrete, cinder concrete, top dressing or cement or lime mortar. The cost of operation is very small

The engine and all sprockets and chain are completely housed in steel. With every mixer is included a 2 H. P. engine, steel housing and draw pole.

For Data see Page 371.

	Each
No. 5BS Wt each about 1500 lbs	✣$849 00

LANSING, WITH STANDARD WHEELBARROW HOPPER



The compact, sturdy, substantial construction of this mixer insures against its being racked to pieces in long hauls over country roads or city pavements.

All bearings supplied with compression grease cups. Guards over exposed working parts. Trucks finished in black paint, balance of mixer two coats gray. A complete set of necessary tools furnished with each mixer

For Data see Page 371.

	Each
No. 5WSWH—Wt each about 1800 lbs	✣$1125 00

✣**F. O. B. Michigan Factory Only.**

CONCRETE MIXERS

LANSING, WITH POWER SIDE LOAD AND WATER TANK

This mixer is a great labor and time saver. It nearly doubles the output, as one batch is prepared while the other is mixing. There is no lost time, no waiting, as one batch follows another through the drum in quick succession.

The water tank is of the open type and 11 gallons capacity. It automatically measures the amount of water required for each batch.

The side loader is of the improved pivoted type. Open end skip, 36 in. wide. Skip lifted by double line cable, running over two steel pulleys at top of mixer frame. Skip bale drops back out of way when loading.

The drum is non-tilting type, gear driven and provided with splash rings to prevent spilling. Mixing blades, seven. Discharge buckets, five.

All bearings supplied with compression grease cups. Guards over exposed working parts. Trucks finished in black paint balance of mixer two coats gray. A complete set of necessary tools furnished with each mixer.

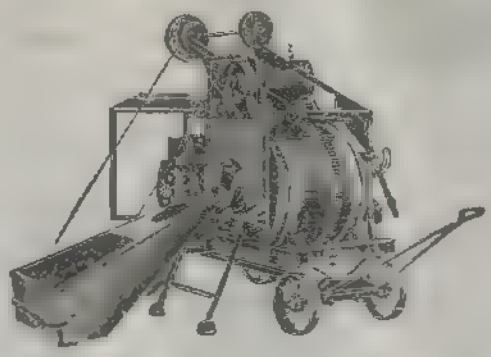
For Data see Page 371.

Each

No. 5PSL—Wt each about 2000 lbs ..... +$1584 00

CONCRETE MIXERS

LANSING, WITH POWER SIDE LOAD AND WATER TANK



This mixer is well balanced and handles a bag of cement at each batch. It is deservedly popular on small and medium sized jobs, where the expense of moving and operating a larger mixer is prohibitive. For convenience of operating, the levers are grouped. One man, without changing his position, readily attends to the charging, discharging and water supply.

The mixer drum is of the non-tilting type, gear driven; cast semi-steel heads joined by heavy boiler plate steel,

Pivoted type discharge chute, No. 10 gauge carbon steel. Discharges 10 to 12 seconds.

Improved pivoted type side loader. Closed end skip, 37 inches wide.

Water tank is positive measuring; capacity 12 gallons.

All bearings supplied with compression cups. Guards over exposed working parts. Trucks finished with black paint, balance of mixer two coats gray. A complete set of necessary tools furnished with each mixer.

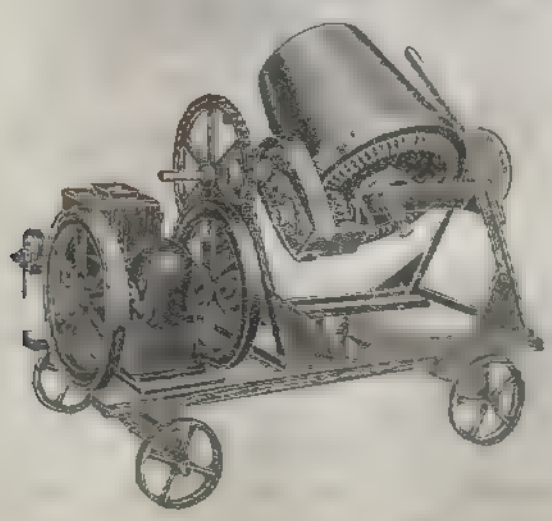
For Data see Page 371.

Each

No. 7-S—Wt each about 3000 lbs ..... +$2250 00

CONCRETE MIXERS

LANSING, BRONCHO JR.



A popular mixer that can be easily moved from one job to another. Suitable for mixing common concrete, cinder concrete, top dressing or cement or lime mortar.

Can be easily cleaned.

The three mixing wings are raised from the surface of the drum, doing away with the sharp angles that would catch concrete. A pail of water at the end of the day cleans the mixer.

A 1¾ H. P. engine, magneto and draw pole or tongue is included with each mixer.

For data see page 371.

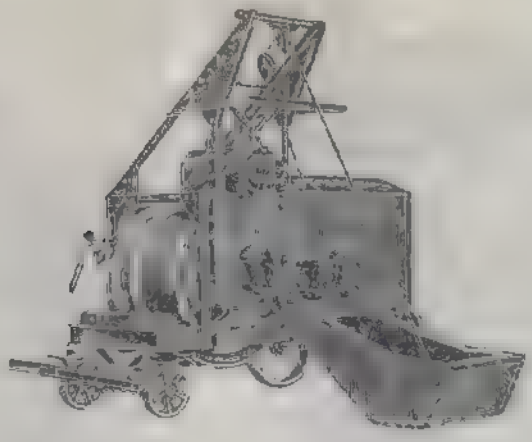
Each

No. 3BJM—Wt each about 650 lbs..... +$480 00

+F. O. B. Michigan Factory Only.

CONCRETE MIXERS

LANSING, WITH POWER SIDE LOADER AND WATER TANK



A single cable draw operates the loader. This increases speed of charging, reduces friction and eliminates multiplicity of cable and pulleys.

Pivoted type discharge chute of 10 gauge carbon steel; 10 gauge blue annealed steel batch charging hopper; 10 gauge blue annealed steel side loader, heavily reinforced.

Automatic closed pressure type water tank, 20 gallon capacity; tested under 125 lbs. working pressure.

All bearings supplied with compression grease cups. Guards over exposed working parts. Trucks finished in black paint, balance of mixer two coats gray. A complete set of necessary tools furnished with each mixer.

For Data see Below.

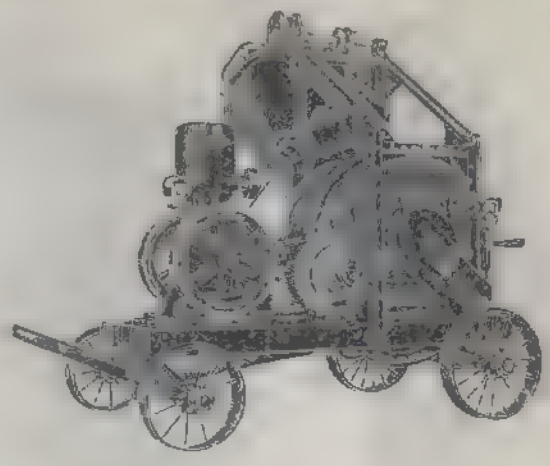
Each

No. 10—Wt each about 4000 lbs ..... ✦$3030 00

✦F. O. B. Michigan Factory Only.

CONCRETE MIXERS

LANSING. WITH POWER SIDE LOADER AND WATER TANK



This mixer is of large capacity and is especially free from vibration.

The drum is non-tilting type, gear driven; cast-steel heads joined by heavy boiler plate steel.

Discharges 10 to 12 seconds.

Improved pivoted type side loader, blue annealed steel heavily reinforced. Single line cable.

Automatic closed pressure type water tank, 20 gallons capacity; tested under 125 lbs. working pressure.

All bearings supplied with compression grease cups. Guards over exposed working parts. Bolts provided with lock washers. Trucks finished in black paint, balance of mixer two coats gray. A complete set of necessary tools furnished with each mixer.

For Data see Below.

Each

No. 15—Wt each about 5500 lbs ..... ✦$4275 00

✦F. O. B. Michigan Factory Only.

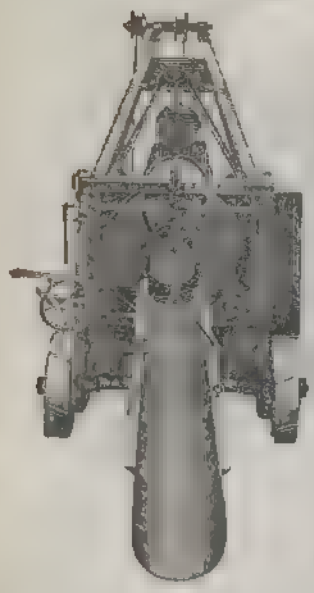
DATA FOR LANSING CONCRETE MIXERS

	No 3BJM	No 5BS	No. 5WSWH	No. 5PSL	No. 7	No 10	No. 15
Drum Capacity, Dry Material	3 cu ft	5 cu ft	5 cu ft	5 cu ft.	7 cu ft.	10 cu ft	15 cu ft.
Drum Capacity, Wet Mixed Material	2½ cu ft	4 cu ft	4 cu ft	4 cu ft	5 cu ft.	8 cu ft	12 cu ft.
Drum Diameter, Inside	30 in	36 in	36 in	42 in	48 in	52 in.	52 in.
Drum Length, Inside	22 in	30 in	31 in.	31 in.	30 in.	36 in	36 in.
Drum Speed, R. P. M.	28	18	18	18	18	16	14
Drum Openings, Diameter	18 in	18 in	12 in.	12 in	16 & 12 in.	18 in.	20 in.
Batches per hour	20	25	1 to 60	10 to 60	40 to 60	40 to 60	50 to 60
H. P. of Engine	1	2	2½	4	5	6	8
Discharge Hopper Gauge	11	11	10	10	10	10	10
Skip Body and Hopper Gauge	8	10	10	10	10	10	10
Main Frame	66x18 in	66x32 in.	74x40 in	74x45 in	96½x44¼	114x48 in.	114x48½ in.
Front Wheels	8 in.	16x3 in.	16x4 in	16x4 in	24x4 in	13x4 in	24x6 in.
Rear Wheels	10 in.	24x3 in.	24x5 in.	24x3 in.	36x4 in.	30x5 in.	30x6 in.

STEEL PAVER

LANSING, ONE-BAG LIGHT WEIGHT

With Distributing Chute.



The 12 foot distributing chute is provided with sectional gates for spreading the concrete over a large area without moving mixer, and has a maximum swing of 180 degrees. The power furnished is greatly in excess of ordinary requirements to insure satisfactory results in climbing hills and working on heavy grades.

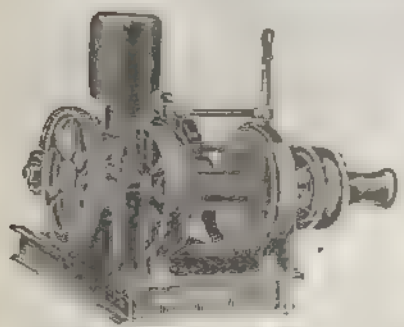
Traction forward and reverse Cut steel sprockets. Diamond roller steel transmission chain. Gear driven drum. Twenty-gallon pressure tank. All operations—charging, mixing, discharging, spouting and moving under one man's control. Six horse power engine.

Frame 86x47 in.; front wheels 20 in. in diameter; rear wheels 30 in. in diameter. A complete set of necessary tools furnished with each mixer.

	Each
No. 73P—Wt each about 5900 lbs	✚$3960 00

HOISTING OUTFITS

LANSING, SINGLE DRUM, SINGLE SPEED REVERSIBLE



Popular size for building construction, car hauling, back filling trenches, etc. Drum can be operated alone in either d[illegible] steel [illegible] Sheave can be operated alone in either dir[illegible] with drum sta[illegible] still. Both dru[illegible] sheave can be [illegible] ed together or either [illegible]

A 4 H. P. engine will [illegible] approximat[illegible] 1,000 lbs. at a s[illegible] speed; a 6 H. P. engine about [illegible] lbs. Fig[illegible] of H. P. engines recommended. The [illegible] speed, control [illegible] more [illegible] and decreasing speed to about 50 ft. per minute.

[illegible] speed [illegible] drum 14x6 in.; hoisting sheave [illegible] in.; rope [illegible] in. long by 6 in. in diameter. With [illegible] horse power engine.

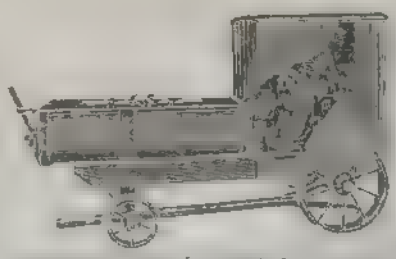
	Each
No. C7—Without power	✚$1215 00
No. C7-4—With 4 H. P. Gasoline Engine	✚ 1560 00
No. C7-6—With 6 H. P. Gasoline Engine	✚ 1695 00

Wt each about 2775 lbs.

✚F. O. B. Michigan Factory Only.

MORTAR AND PLASTER MIXERS

LANSING



Architects, contractors and builders are realizing that hand mixed mortar is a thing of the past. Where economy and quality are important, the mortar mixer has taken the place of the hoe and the old wooden mortar box. The product is improved, [illegible] is avoided and [illegible] per cent of the cost is saved.

Powerful I. H. C. engine is furnished, with machine cut gears, friction clutch, driving chain, etc. All bearings babbited, insuring a smooth running machine, engine and transmission suitably housed.

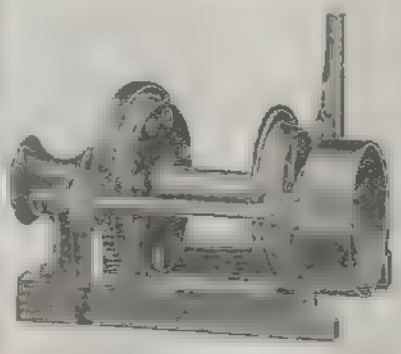
The trough is of large capacity so as to provide for plenty of storage space for accumulation of mortar when not being taken out.

The method of mixing mortar is to shovel in three or four shovels of sand at the head of the trough, a shovel of lime [illegible] to [illegible] and all the cement. This operation is continued as long as material is called for. The quantity of water can be gauged by the valves on the spray [illegible] The proportions of material can of course, be changed to suit any work.

Nos.	1	2
Length over all, ft	10	10
Width over all, ins	44	44
Depth of trough, ins	25	16½
Length of trough, ft	5¾	5¾
Width of trough, ins	18	15
Height of discharge, ins	20	20
Number of paddles	24	29
Diam front wheels, ins	14½	14½
Diam rear wheels, ins	30	30
Wt each lbs	2100	1650
Each	✚$1350 00	✚1140 00

BELT HOISTS

LANSING, NON-REVERSIBLE



For hoisting wheelbarrow loads of brick, mortar and concrete, timbers and other materials.

Drum will run in either direction. Its maximum lifting capacity is 500 lbs. Operated by a belt drive. A 2 or 3 H. P. engine will run it.

Pushing lever forward engages the main drum, throwing it backward applies the brake. The weight on end of cable causes drum to reverse and unwind under brake control.

	Each
No. C8—Complete without power	✚$213 00

Wt each about 300 lbs.

✚F. O. B. Michigan Factory Only.

LIONEL ELECTRIC TOY TRAINS & Multivolt Transformers

have been the standard of the world for the past 24 years and are guaranteed to be mechanically and electrically perfect, locomotives are made of sheet steel, the motors of the highest possible efficiency; cars are hand enameled, all of the passenger coaches are equipped with permanent interior lights and automatic couplers; note the many new type of locomotives, cars and accessories for this season; nothing better made.

"O" GAUGE PASSENGER TRAINS

Every train is thoroughly tested before leaving the factory, and is guaranteed to be perfect both electrically and mechanically.

Length 20 ins.; circle track 30 ins. in diameter.

T3263 (257)—Train consists of one 6-in. locomotive with headlight, two 7-in. Pullman cars, 8 sections curved track and one lock-on connection; track makes circle 30 ins. in diameter; length of complete train 20 ins. Each in box. Each **6.50**

Length 22½ ins.; circle track 30 ins. in diameter.

T3265 (92)—Train consists of one 7 in. locomotive with electric headlight, one 7¾ in. Pullman car, one 7¾ in. observation car, 8 sections curved track and one lock-on connection; track makes circle 30 ins. in dimeter; length of complete train 22½ ins.; each in box. Each **8.25**

Length 30½ ins.; oval track 30x39 ins.

T3264 (94)—Train consists of one 7 in. reversible locomotive with headlight, two 7 in. Pullman cars and one 7 in. observation car; 8 sections curved, 2 sections straight track, one lock-on connection and one battery rheostat; track makes oval 30x39 ins., length of train 30½ ins.; each in box. Each **6.60**

Length 31 ins.; oval track 30x39 ins.; illuminated cars

T3267 (96)—Train consists of one 7 in. reversible locomotive with electric headlight, two 8 in. illuminated Pullman cars, one 8 in. illuminated observation car, 8 sections curved and 2 sections straight track, one lock-on connection and one battery rheostat; automatic couplers; track makes oval 30x39 ins.; length of complete train 31 ins.; each in box. Each **8.50**

Lenth 35½ ins.; oval track 30x59 ins. Illuminated cars

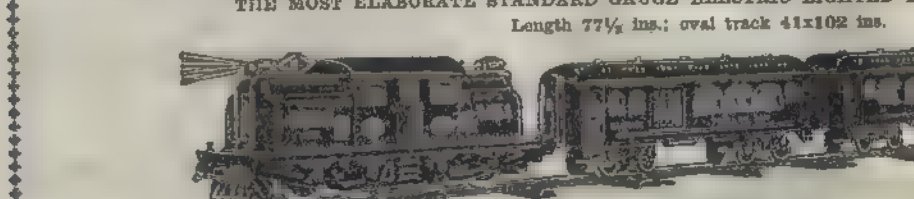
T3268 (98)—Train consists of new type 9¾ in. reversible locomotive with 2 electric headlights, two 9 in. illuminated Pullman cars, one 9 in. illuminated observation car, 8 sections curved and 6 sections straight track, one lock-on connection and one battery rheostat; automatic couplers; track makes oval 30x59 ins.; length of complete train 35½ ins.; each in box. Each **12.00**

Length 37 ins.; oval track 30x59 ins. Illuminated cars.

T3270 (266)—Train consists of 10 in. locomotive with two electric headlights and improved reversing controller, two 9 in. illuminated Pullman cars, one 9 in. illuminated observation car, 8 sections curved and 8 sections straight track, one lock-on connection and one battery rheostat; automatic couplers; track makes oval 30x59 ins.; length of complete train 37 ins.; each in box. Each **14.50**

Length 51 ins.; oval track 30x79 ins. Illuminated cars.

T3271 (268)—Train consists of 13½ in. "Twin Motor" locomotive with 2 electric headlights and improved reversing controller; two 12⅞ in. illuminated Pullman cars, one 12⅞ in. illuminated observation car; 8 sections straight and 8 sections curved track, one lock-on connection and one battery rheostat automatic couplers; track makes oval 30x79 ins., length of complete train 51 ins., each in box. Each **26.00**



THE MOST ELABORATE STANDARD GAUGE ELECTRIC LIGHTED ELECTRIC TRAIN BUILT

Length 77½ ins.; oval track 41x102 ins.

T3283 (403) -Unquestionably the most beautiful train built, consists of ten lights, one 20 in illuminated Pullman car one 20 in illuminated combination Pullman and baggage car one 20 in illuminated observation 17½ in. "Twin Super Motor" reversible locomotive with two electric car, 8 sections curved and 8 sections straight track and one lock on connection; automatic couplers; track makes oval 42x102 ins.; length of complete train 77½ ins.; each in box. Each **48.00**

LIONEL STANDARD GAUGE PASSENGER TRAINS

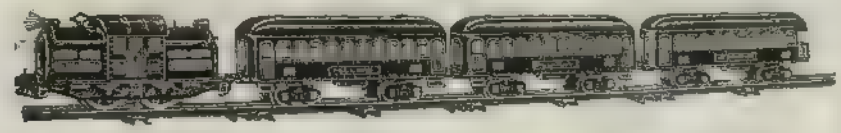
Millions of these trains are in use, many of them for years, this speaks volumes for the superiority and durable construction of this line.

Length 36 ins.; track 42x56 ins.

Illuminated cars

T3276 (350)—Train consists of 13 in. "Super-Motor" locomotive, reversible, with electric headlight, one 11½ in. illuminated Pullman car, one 11½ in. illuminated observation car, 8 sections curved and 2 sections straight track and one lock-on connection; automatic couplers; track makes oval 42x56 ins.; length of complete train 36 ins.; each in box. Each **14.00**

Length 60 ins.; oval track 42x69 ins.; illuminated cars; with "Super-Motor" reversible locomotive.



T3278 (352)—Train consists of new type C. M. & St. P. "Super-Motor" 14 in. reversible locomotive with 2 electric headlights, two 15 in. illuminated Pullman cars, one 15 in illuminated observation car, 8 sections curved and 4 sections straight track and one lock-on connection; automatic couplers; track makes oval 42x69 ins.; length of complete train 60 ins; each in box. Each **20.00**

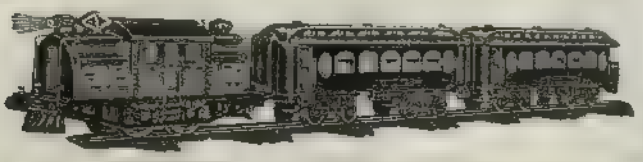
NO OTHER TRAIN WILL COMPARE WITH THIS IN CONSTRUCTION OR APPEARANCE AT THE SAME PRICE

Length 59½ ins.; oval track 42x88 ins.; illuminated cars; with "Super-Motor" reversible locomotive.

T3280 (342) Train consists of new model 14½ in "Super-Motor" reversible locomotive with two electric headlights, two 15 in illuminated Pullman cars, one 15 in illuminated observation car 8 sections curved and 6 sections straight track and one lock-on connection, automatic couplers, track makes oval 42x88 ins., length of complete train 59½ ins; each in box Each **23.50**

Length 48 ins.; oval track, 42x69 ins.

Illuminated cars



T3281 (344)—Train consists of 15 in. reversible "Super-Motor" locomotive, with two electric headlights, one 16½ in. illuminated Pullman car, one 16½ in illuminated observation car, 8 sections curved and 4 sections straight track, and one lock-on connection; automatic couplers; track makes oval 42x69 ins.; length of complete train 48 ins.; each in box. Each..... **27.00**

Length 65 ins.; oval track 42x102 ins.

Illuminated cars.

T3284½—Train consists of 15 in. reversible "Super Motor" locomotive with two electric headlights, one 16½ in. illuminated Pullman car, one 16½ in. illuminated combination Pullman and maggage car, one 16½ in. illuminated observation car 8 sections curved and 8 sections straight track, one lock-on connection; track makes oval 42x102 ins.; length of train complete 65 ins., each in box. Each **30.00**

Length 74½ ins.; oval track, 42x102 ins.

Illuminated cars.

T3284 (343)—Train consists of 15 in reversible "Super-Motor" locomotive, new C. M. & St. P. type, with two electric headlights, two 15 in. illuminated Pullman cars, one 15 in. illuminated combination Pullman and baggage car, one 15 in. illuminated observation car, 8 sections curved and 8 sections straight track, one lock on connection, automatic couplers; track makes oval 42x102 ins.; length of train complete 74½ ins., each in box. Each **33.50**

LIONEL "O" GAUGE ELECTRIC FREIGHT TRAINS

No other toy freight trains are as real looking as the Lionel; the heralds of prominent railroads are reproduced on all freight cars.

Length 28 ins.; oval track, 30x39 ins.

T3268 (91)—Train consists of 7 in. reversible locomotive, with electric headlight, one 7 in. oil car, one 7 in. box car, one 7 in. caboose, 8 sections curved and 2 sections straight track, one lock-on connection and one battery rheostat; automatic couplers; track makes oval 30x39 ins.; length of train 28 ins.; each in box. Each..... **6.60**

Length 42 ins.; oval track, 30x59 ins.

T3269 (95)—Train consists of new model 9¾ in. reversible locomotive with two electric headlights, two 8¼ in. box cars, one 8¼ in. cattle car, one 8¼ in. caboose, 8 sections curved and 6 sections straight track, one lock-on connection and one battery rheostat; automatic couplers; track makes oval 30x59 ins.; length of train 42 ins.; each in box. Each **11.00**

LIONEL STANDARD GAUGE FREIGHT TRAINS

Length 42 ins., oval track 42x56 ins

T3277 (351)—Train consists of 13 in. "Super-Motor" reversible locomotive, with electric headlight, one 9¾ in. gondola car, one 9¾ in. box car, one 9¾ in. caboose, 8 sections curved and 2 sections straight track and one lock-on connection; automatic couplers; track makes oval 42x56 ins; length of train 42 ins.; each in box. Each 14.00

A REAL, MODERN, COMPLETE FREIGHT TRAIN, MEDIUM PRICED

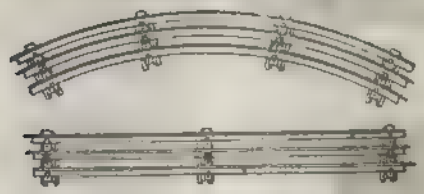
Length 63½ ins.; oval track 42x69 ins.

T3279 (41)—Train consists of 14½ in. reversible locomotive with two electric headlights, one 9½ in gondola car, one 9½ in. cattle car, one 9½ in. box car, one 9½ in. coal car, and one 9¾ in.caboose; 8 sections curved and 4 sections straight track and one lock-on connection, automatic couplers, track makes oval 42x69 ins.; length of train 63½ ins., each in box Each 21.50

Length 59 ins.; oval track 42x69 ins.

T3282 (345)—Train consists of 15 in. "Super-Motor" reversible locomotive with two electric headlights, one 11 in gondola car, one 11 in. box car, one 11 in. oil car, and one 11 in. caboose; 8 sections curved, 4 sections straight track and one lock-on connection; track makes oval 42x69 ins.; length of train 59 ins.; each in box. Each 27.50

EXTRA TRACK EQUIPMENT FOR ELECTRIC TRAINS



"O" GAUGE TRACK

T3301 (OS) -OS, straight track, 10¼ ins. long. Per section ..... .16½
T3302 (OC)—OC, curved track, 10¼ ins. long. Per section ..... .16½

STANDARD GAUGE

T3311 (S)—S, straight track, 14 ins. long Per section .25
T3312 (SC)—SC, curved track, 16 ins. long. Per section .25

SWITCHES

WITHOUT ELECTRIC LIGHTS

T3305 (022)—"O" gauge, (right and left hand), the lever which moves the rails sets signals and locks all mechanism, signal lanterns have red and green discs length 11½ ins., width 5½ ins., height 3 ins.; connects with tracks in same manner as straight or curved sections; each in box, right and left. Per pair 2.75

T3314 (22) — Standard gauge, length 16½ ins., width 8 ins., height 4½ ins.; right and left Per pair 3.75

WITH ELECTRIC LIGHTS

T3306 (021)—"O" gauge, same construction as T3305 above, but equipped with electric signal, having an electric bulb which can easily be removed; lights show red and green signals; each in box, right and left. Per pairs 3.75

T3315 (21)—Standard gauge; as T3314 above, with electric light equipment, right and left Per pair 5.00

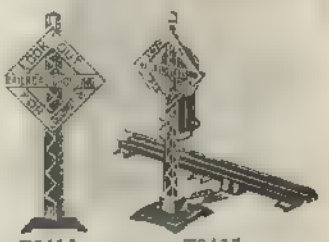
CROSSOVERS

T3304 (020)—"O" gauge, as shown in conjunction with switches for making figure "8" and figure "8" loops, measures 10¼ in square cross rails mounted on solid base each in box. Each ..... .75

T3318 (20)—Standard gauge as T3304; 12 ins. square, each in box. Each 95

T3303 (020X)—"O" gauge; a 45 degree crossing, permitting the making of more sharp loops and occupying less space in layouts than crossing E3304 above each in box Each 1.15

WARNING SIGNALS



T3416 T3417

T3416 (08) Steel lattice work upright, yellow enameled, green base; sign brass enameled white red letters; 2½ ins. square; height 8⅜ ins.; each in box. Each ..... .72

AUTOMATIC

T3417 (069)—As T3416, but with electric bell which rings at approach of train; complete with special section track; for "O" gauge tracks. Each 2.85

T3418 (69)—As T3417 but for standard gauge track. Each 2.50

BLOCK SIGNALS

Consists of steel standard 9 ins. high, to which are attached two electric lanterns, showing red and green signals; when train passes green lights show indicating "Stop."

"O" GAUGE

T3379 (076)—"O" gauge, complete with wires and 2 sections straight track. Each .2.35

STANDARD GAUGE

T3380 (76)—Standard gauge complete with wires and 2 sections straight track. Each 2.50

Lionel accessories are unquestionably the best constructed as well as the most popular on the market, due to the fact of the durability and attractive design.

CROSSING GATES

T3377 (077)—For "O" gauge track; complete with special section of track and wires for connecting; when train approaches and passes over the special section the gates close and then open as soon as the train goes by; 11 ins. long; base 4¾x2¼ ins.; each in box Each 3.95

T3378 (77) — Same, for standard gauge track; each in box. Each 3.10

SEMAPHORES

Made of steel throughout, base, arms and ladders, and handsomely finished in bright enamels.

T3407 (62) — One signal arm; 8¾ ins. high, showing green, red and yellow discs; operated by lever, no electric equipment; each in box. Each ..... .65

T3409 (65)—One signal arm, 14 ins. high, with electrical equipment with one bulb; each in box, Each 1.95

T3410 (66)—Two signal arms; 14 ins. high, with 2 electric bulbs; each in box. Each 2.85

BUMPERS

T3307 (023)—For "O" gauge track; equipped with two spring plungers which absorb shock when car strikes it; length 14 ins.; 3 ins. high; each in box. Each .65

T3316 (25)—Same, for standard gauge track; each in box, Each ..... .95

AUTOMATIC CONTROL AND SIGNAL TOWER

Automatically starts and stops train; when red light flashes train stops; after a wait of 2 to 40 seconds, variable at will, green light flashes and train starts; made of steel throughout; 10½ ins. high with lamps "lock-on" contacts and wires for connecting.

T3389 (078) — "O" gauge. Each ...8.75

T3390 (78) — For standard gauge. Each 8.75

LAMP POSTS

T3392 T3391 T3394

T3392 (58)—Single arm; cast metal, brown enameled frosted globes; height 7½ ins. Each ..... .95

T3391 (56)—Street lamp; enameled in bright yellow; with globe; height 7½ ins. Each 1.25

T3394 (57)—Street lamp; cast metal, yellow enameled finish; cellu loid sign compartment, removable top; height 7½ ins. Each ...1.25

SINGLE

T3398 (59)—Single arm, 8¾ ins. high, complete with one electric bulb; each in box. Each 1.15

T3400 (61) —Same, larger, 13 in. high, ea. in box. Ea. 1.60

DOUBLE

T3401 (67)—Double arms; 13 in. high; complete with 2 electric bulbs; each in box. Each....2.25

TELEGRAPH POSTS

T3413 (71)—Yellow enameled steel post with green base and arm, and glass insulators; 8¼ ins. high, 2½ x2½ in. base; 6 posts in box (no less sold). Set 2.85

"LOCK-ON" CONTACTS

T3309 (OTC)—For "O" gauge track. Each ..... .14

T3310 (STC) — For standard gauge track. Each ..... .10

STATIONS

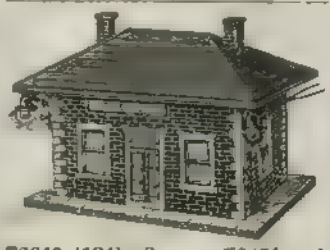
FREIGHT HOUSE

T3457 (127)—Freight house, steel throughout; enameled in permanent colors; platform embossed in imitation of cement; embossed red brick work and corner masonry; doors swing on hinges; removable roof, 7 in. long, 3½ in. wide, 4½ in. high; complete with lamp, fixtures and wire. Each 2.25

PASSENGER

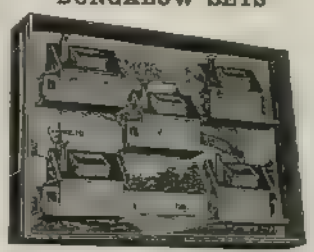
T3458 (126)—Passenger station; as T3457; length 10½ in., 7¾ in. wide, 7 in. high; equipped with lighting fixture, lamp and wires. Each 4.25

T3459 (122)—Same as T3458, equipped with one center interior light, size 13½x9x13 ins. high. Each 5.15



T3460 (124) —Same as T3459 with one center interior and two outside corner lights; size 13½x9x13 ins. Each 7.00

BUNGALOW SETS



T3490 (186)—Consists of 5 lithographed bright color sheet steel bungalows, each 2¾x5¾ ins., 4½ in. high; complete with interior lights and wires for connecting, each set, 5 pieces, in box (no less sold). Set 5.50

VILLA SETS

T3489 (192)—Consists of 2 houses and 2 bungalows; made of sheet steel, handsomely finished in bright colors; complete with interior lights and wires for connecting, in box. Set 6.50

STEEL BRIDGES

FOR "O" GAUGE TRACK

T3426 (110) — Center span; length 10½ ins., width 5½ ins., 4 ins. high. Each 1.05

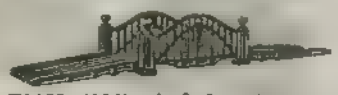
T3427 (106) — Made of steel throughout, handsomely shaped and embossed; center span and two reinforced approaches, length 31½ ins.; with 5½ ins., height 4 ins. Each 2.50

T3428 (108)—As T3427 but with two center spans; total length 42 ins., 5½ ins. wide, 4 ins. high. Each 4.20

T3429 (109)—As T3427 but with three center spans; total length 52½ ins., 5½ ins. wide, 4 ins. high. Each 5.75

FOR STANDARD GAUGE TRACK

T3431 (104)—Center span; length 14 ins., width 6½ ins., 6¼ ins. high. Each 2.50



T3433 (101)—Arched center span with 2 approaches; total length 42 ins., 6½ ins. wide, 6¼ ins. high. Each 4.50

T3434 (102)—As T3433, but with two center spans, and two approaches; total length 56 ins., 6½ ins. wide, 6¼ ins. high. Each 6.40

FOR STANDARD GAUGE TRACK

T3435 (103)—Same as T3433, but with 3 center spans and 2 approaches total length 70 ins., 6½ ins. wide, 6¼ ins. high. Each 8.50

TUNNELS

Rigidly built of steel throughout and finished in heavy masonry and mountain effects.

T3448 (118)—For "O" gauge only, 8 inches long, 7 ins. wide, 7½ ins. high. Each 1.60

T3449 (119) For "O" and small standard trains; 12 ins. long, 9 ins. wide, 10 ins high. Each 2.50

T3450 (120)—For all Lionel trains; 17 ins long, 12 ins wide, 11 ins high, with "Chalet" on side of mountain. Each 4.50

LIONEL "MULTIVOLT" TRANSFORMERS

FOR ALTERNATING CURRENT

T3466 (A) —For "O" gauge; 110 volts, 60 cycle, 40 watts capacity; gives 15 volts in following steps, 4, 7, 10, 13, 15, size 4¼x2¾x4¼ ins. Each 2.65

T3467 (B)—For "O" gauge, 110 volts, 60 cycle, 50 watts capacity; gives 25 volts in following steps, permanent 7, 8, 15; variable 2, 4, 6, 8, 10, 11, 12, 13, 17, 19, 21, 23, 25; size 4½x3¾x3 ins. Each 3.00

T3468 (T) —For "O" or standard gauge; 110 volts, 60 cycle, 100 watts capacity, gives 25 volts in following steps permanent, 2, 4 6, 7, 8, 10, 12, 14, 15, 16, 17, 18 19, 21, 23, 25; variable, 2, 6, 8 10, 12, 14, 16, 17, 18, 19, 21, 23, 25; size 5x4x3¾ ins Each 5.40

T3469 — (K) —Will operate any outfit as well as illuminate accessories; and with sufficient wattage capacity to operate two trains at once; 110 volts, 60 cycles, 150 watts, otherwise as T3468, size 5x4x4½ ins. Each 7.50

DIRECT CURRENT REDUCER

T3470 (107)—Slate base 8x10¾ ins.; supporting four porcelain tubes wound with best quality resistance wires; tubes are protected by perforated Russian iron cover lined with heavy asbestos; sliding lever regulates voltage, fast or slow; complete with 7 ft. cord and plug; *110 volts, and is for direct current use only.* Each in box. Each .....7.75.

BATTERY RHEOSTAT

T3472 (88)—For dry or storage batteries; gives a gradual increase or decrease in current; enameled steel base; 5 ins. long, 2½ ins. wide, 1 in. high; each in box. Each 1.10

The Limit of Value

CONCESSIONAIRES—THE BEST MAMA DOLLS ON THE MARKET AT THE PRICE

Full 23 inches high. Beautiful, baby-like, unbreakable composition head, 17 inches in circumference. Hand painted with every detail worked out even to the eyelashes. Painted hair. Composition hands. Cotton stuffed legs have loose joint at hips for walking. Guaranteed **Ronson** Mamma Voice—always ready to talk. Assorted Boy Dolls in rompers and cap and Girl Dolls in dress, Bloomers and bonnet. All have button shippers and stockings. Dresses made of assorted patterns and colors of cloth. Each doll packed in individual box. 6 dozen in case.

No. 36N15. Per dozen..... **19.50** | In case lots of 6 dozen. Per dozen..... **18.00**

THE LIMIT OF VALUE

21 Inches High
Bobbed Hair Wig
Composition Legs
Guaranteed Ronson Voice

We do not know how to give you a better value in a beautiful Mamma Doll than we offer you here. This doll was made for us specially, according to our own specifications and in a quantity sufficiently large to make this special price possible. It is full 21 inches high, and has 2¾ inch diameter molded compositoin legs identically like the fat legs of a baby. Cute bobbed hair wig showing from under the hood in front with a stray lock curling out at the side or in the back. Beautifully shaped unbreakable head, tinted by an artist. Dainty, filmy dresses, lace trimmed. Full body underwear. Lace trimmed cap with bows of ribbon. Button shoes and stockings. Loose hip joints for walking. Guaranteed Ronson Mamma Voice—always ready to talk. Each doll in box. 6 dozen in case.

No. 36N58. Per dozen..... **21.00** | In case lots. Per dozen..... **19.50**

21 Inches of Solid Value
All Cotton Stuffed

Another Limit of Value Doll. This is a beauty doll. The very best workmanship. Height 21 in. Stuffed throughout with carded cotton. Finest features. Unbreakable composition head and arms. Full proportioned. Assorted colors checked overdresses, Bloomers and bonnets to match. Guaranteed Ronson Mamma Voice. Always says "Mamma." Loose jointed at hip for walking. Each in box.

No. 36N8. Per dozen assorted color dresses..... **17.50**

Popular Price Mama and Novelty Dolls

14-Inch Crying Doll

Unbreakable Doll, 14 inches high, composition head and hands, painted hair and features, excelsior stuffed body and legs. Guaranteed Ronson crier. Romper dress in assorted striped colors neck band of lace. ½ dozen in box

No. 36N75. Per dozen 4.00

14-Inch Mama Doll

14-inch - Unbreakable Doll with guaranteed Ronson Mama voice, has painted features and hair. Body and legs are excelsior stuffed, composition head and hands. Has romper dress assorted colors striped and dotted. Packed ½ dozen in box.

No. 36N76. Per dozen . . . .

15-Inch Mama Doll

Height 15 inches. Unbreakable composition head and hands. Cotton stuffed legs. Guaranteed Ronson Voice. It always says "Mama." Well painted. Assorted color check dresses and cap. Shoes and stockings. Each in box.

No. 36N5. Per dozen.... . . . 8.50

Height 14 inches. **Has unbreakable composition legs** from knee down. Head and hands are unbreakable, Nicely painted. Shoes and stockings. Guaranteed Ronson Voice. Always says "Mama." Assorted colors, neat check dresses and caps to match. Packed ½ dozen in box.

No. 36N1. Per dozen..... 8.50

18-Inch Doll

Height 18 inches. Genuine guaranteed Ronson Mama Voice. Unbreakable oversize baby-like head and hands. Cotton stuffed legs. Shoes and stockings. Assorted dresses and caps to match. Packed each in a box.

No. 36N17. Per dozen... .. 12.50

20-Inch Girl Doll

A Great Big Girl Baby. Full 20 inches high. Large, unbreakable composition head, beautifully painted, showing even the eyelashes. Guaranteed Ronson Mama Voice. Shoes to button, stockings, dress, bloomers and cap Each in box

No. 36N38. Per dozen . . . 16.50

Red Riding Hood Oilcloth Doll

Brilliant Scarlet Red Oilcloth Doll. "Little Red Riding Hood," has her oilcloth cape and hood just like the story book. Full 16 inches high. Unbreakable composition head. Small bell attached to belt. A big display item. Packed six in a box

No. 41N3. Per dozen.... 7.50

LITTLE BOY BLUE OILCLOTH DOLL

Blue Oilcloth Doll. "Little Boy Blue" wears a Blue Oil Cloth cap, trimmed with feather. Suit is made of blue oil cloth with shiny buttons. A very attractive item fully 16 inches high, unbreakable composition head Packed 6 in box.

No. 41N4. Per dozen.....

Uncle Walt

Uncle Walt is getting more popular every day, there is not a man, woman or child who does not know and love this jolly guardian of the equally well known Skeezix. Uncle Walt is made of very fine quality leatherette, finished in bright fadeless colors. Perfect reproduction of the cartoon designed by Frank King. Each in box

No. 41N10. Per dozen..... 16.75

Skeezix

Every child loves Skeezix. Made of very fine quality artificial leather finished in bright, fadeless colors 12 inches high. Perfect reproduction of the cartoon, designed by Frank King, originator of the Gasoline Alley cartoons. Dozen in box.

No. 41N9. Per dozen..... 8.50

Mama Dolls

THEY TALK THEY WALK THEY SLEEP

Bye-Lo Baby Darling Baby

14-Inch Unbreakable Walking Mama Doll with moving eyes, painted features and mohair wig. Has composition face, hands and legs, and excelsior stuffed body. Solid colored organdie dress, trimmed with white lace. White poke bonnet with turn-up to match the dress, embroidered tie-strings. Has fibre silk socks and patent leatherette slippers.

No. 36N85.
Per dozen..... 18.00
Each 1.50

16-Inch Unbreakable Walking Mama Doll with sleeping eyes, painted features and mohair wig, Composition head, hands and legs. Has solid colored organdie dress, trimmed with lace ground neckband and bottom of skirt. White poke bonnet. Has fibre silk socks and patent leatherette button slippers. Each in box.

No. 36N86.
Per dozen 19.80 | Each..... 1.75

18-Inch Unbreakable Mama Doll, with sleeping eyes and mohair wig, painted features, composition head, arms and legs and excelsior stuffed body. Assorted colored dress with bands of contrasting color on sleeves and bottom of skirt, white poke bonnet. White fibre silk socks and leatherette slippers. Each in box.

36N87. Dozen, 24.00 | Each 2.20

DARLING BABY DOLL

Darling Baby Doll, with painted and sleeping eyes, crying voices, has resemblance of a natural baby. Has a long lawn dress with mercerized cotton petticoat. The two largest sizes have flannelette diaper and stockings, painted features composition face and hands, cotton stuffed body. Packed one in box. Three sizes.

36N63. Lgth. 16 in. Painted eyes. Doz. 8.25

No. 36N67. Length, 18 inches. Painted eyes.	**No. 36N68.** Length, 18 inches. Sleeping eyes.
Per dozen .. 12.00	Per dozen 18.00
Each 1.05	Each 1.65

The Original Bye-Lo Baby

Bye-Lo Baby Mama Doll, with bisque head and moving eyes. The exact resemblance of a natural three-day-old baby. Bye-Lo Baby is by far the most appealing doll offered to American children. It has an irresistible charm that gladdens the heart of mother and child. Baby is dressed with long white organdie dress trimmed with baby ribbon long petticoat made of lawn, flannelette diaper with three brass safety pins and long stockings. The body is stuffed with cotton batten has celluloid hands. Length over all, including dress, 18 inches. Each in box.

No. 36N70.
Per doz. 33.00 | Each.. 3.00

BABY DOLL IN BLANKET

Baby Doll with Blanket, has the appearance of a life-like baby. Can be had with either painted or sleeping eyes, crying voices, composition head and hands, and cotton stuffed throughout. The baby is all cuddled up in a beautiful wool baby blanket tied with ribbon and the head of the largest size rests on a pillow. Each in box.

No. 36N64. Length, 16 in. Painted eyes.	**No. 36N69.** Length, 24 in. Sleeping eyes.
Per dozen, 9.00	Per dozen 27.00
	Each 2.50

MAMA DOLL WITH SLEEPING EYES

Walking Mama Doll with sleeping eyes and real mohair wig. This plump little baby is dressed in a beautiful organdy dress, trimmed with lace, has pantalets to match. Has fibre silk socks with button style patent leather slippers and poke bonnet with turned up brim colored to harmonize with the dress. The head, arms and legs are all made of composition and the body is excelsior stuffed. Length over all, 22 inches. Packed each in box.

No. 36N80.
Per dozen.. 27.00 | Each... 2.50

25-Inch Mama Doll

This little baby walks, talks and sleeps Beautiful Mama doll, 25 in. high, has moving eyes and nice mohair wig. Head, hands and arms are all of composition. Body is stuffed with excelsior. Organdie dress trimmed with lace and a poke bonnet to harmonize, fibre silk socks with patent leather slippers, button style. Each in box.

No. 36N81.
Dozen, 36.00 | Each. 3.25

LONG-LIFE DOLLS

EVERY ONE REMEMBERS their childhood days and the old Rag Dolls that were so dear, the doll that could be dragged around and pulled about as a child will do. These dolls are a great improvement over the old style Rag Doll. This modern doll is made of soft stockinet materials and stuffed with soft, clean, double carded cotton, in bright attractive colors, with wonderful hand painted faces.

BABY BUNTING

Made in Pink, Blue, Yellow, Orange and Red 8 inches high. One dozen in box
No. 41N31. Dozen.. **3.90**

TEENY TOT

Made in Pink, Blue, Yellow, Orange and Red. One dozen assorted in box.

No. 41N30.	**No. 41N**
8 in. high.	11 in. high
Dozen **3.90**	Dozen. **6.50**

JOLLY JIM

Made in combinations of bright colors, Pink and Blue; Light Blue and Yellow; Yellow and Green. One dozen assorted in box.

No. 41N32.	**No. 41N35.**
8 in. high.	11 in. high
Dozen. **3.90**	Dozen. **6.50**

MISS MUFFET

Made in Pink, Blue and Gold, with White waist and White apron. 10 inches high. ½ dozen in box
No. 41N40. Dozen.. **9.00**

NOBLE NED

Made in Shrine colors with mercerized tassel and emblem on the Fez. 11 inches high. ½ dozen in box
No. 41N36. Dozen.. **8.00**

HELLO BILL

[illegible] in Elk colors with emblem on cap. 11 inches high. ½ dozen in box
No. 41N37. Dozen . **8.00**

DUTCHY BOY

Most attractive in combination of bright colors. Made in Pink, Blue, Orange and Red Size 11 inches high. ½ dozen in box
No. 41N39. Dozen.. **9.00**

DUTCHY DUCKY

Made in a new and distinctive way. The stuffed casing forming the dress. Made in Pink, Blue and Gold. 10 inches high. ½ dozen in box
No. 41N38. Dozen.. **9.00**

RED RIDING HOOD

Made with White waist, Light Blue skirt, Red hood and cloak. 11 inches high. ½ dozen in box
No. 41N42. Dozen.. **9.00**

SIMPLE SIMON

Made in Pink, Blue and Orange, a Red pail is attached to one of his hands. 11 inches high ½ dozen in box
No. 41N41. Dozen.. **[illegible]**

TEENY ANIMAL
[illegible]

This Popular Priced Assortment consists of "Teeny Bunny," "Teeny Puppy," and "Teeny Kitty," made in pink, blue, yellow and orange. Size 8 inches high. One dozen assorted in box.

No. 41N33.

Per dozen **3.90**

Justrite Carbide Lamps

For Campers, Miners, Contractors, Hunters, Etc.

No. 407

Carbide Cap Lamps

Nos. 407 and 661

Made of brass. Height, 3 inches. Have self-lighter attachment. Burn 2½ hours on 2 oz. charge of carbide. Weight, 5 oz. each.

Price, each $1.25

No. 661

Hand Lamps

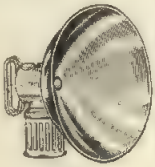
Justrite hand lamps are very useful for inspection purposes as well as for campers. They have folding handles and reflectors which throw a large volume of light. The No. 39 lamp has a 7-inch, highly nickel plated reflector and the No. 95 has a 3-inch nickel plated reflector. Both lamps are all nickel plated and are packed one each in a cardboard box.

No. 39 Lamp

Burning capacity, 4 hours on 3 oz. charge of carbide.

Height, inches	7
Diameter of reflector	7
Weight, ounces	9

Price, each $3.00


No. 39

No. 95

No. 95 Lamp

Burning capacity, 4 hours. Equipped with No 170 flame protector. Charge, 3 oz. carbide. Height, 4¾ in. Weight, 7 ounces.

Price, each $2.50

No. 12 Carbide Lantern

This lantern is dependable in every way and is a great favorite with sportsmen. Gives a bright, penetrating 20 candle power light, burns 3 to 4 hours with 3 ounces of carbide, flame is controlled by valve and can be turned high or low or extinguished as desired. Highly nickel plated, equipped with detachable bull's eye lens and reflector. Equipped also with self lighting attachment—no matches required, no complicated parts to get out of order and easy to operate.

Superior to any portable light in cleanliness, safety and candle power, no smoke or grease, will not blow out.

It has proven its efficiency and has no peer for lighting the camp, motor boating, canoeing, hunting, fishing and going thru the woods and in fact for all outdoor lighting it is invaluable.

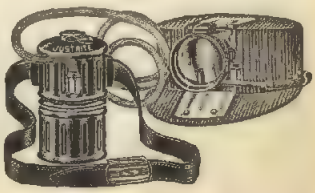
Can be packed with the camping outfit or in the trunk without danger of spoiling food or clothing.

Price, each $6.00

Justrite Headlight

The perfect light for general out-door work at night. The light, being worn on the cap, leaves both hands free for any work. It is one of the most practical head lights made. The light weighs only 5 ounces and having a self-lighter attachment, no matches are required. It has a strong rubber hose, steel generator, and a burning capacity of 5 to 6 hours. The belt is included with the outfit, but cap and special concentrating lens must be purchased extra.

Price, each $6.00



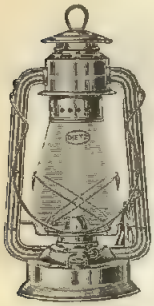
Carbide

For use in all lamps. Put up in 2-pound cans.

Price, per can $0.40

100-pound drums. Price, per drum 7.00

Dietz Kerosene Lanterns



No. 2 Blizzard

The standard for excellence among lanterns of high globe, cold blast type

Height—14¾ inches.
Light—10 candlepower.
Wick—1 inch
Burns—20 hours
Globe-Dietz "Blizzard-Fitz-all Loc-Nob"
Burner—No. 262 (Steel)
Package—Half Dozen.

Per Doz. White Globes . . **$20.00**
Per Doz Ruby Globes . . . **23.10**

Junior

Smaller size of great efficiency.

Height—12 inches.
Light—6 candlepower.
Wick—⅝ inch
Burns—15 hours.
Globe-Dietz "Junior."
Burner—No. 201 (Steel).
Package—One Dozen.

Per Doz White Globes . . **$13.50**
Per Doz. Ruby Globes . . . **16.60**

Little Wizard

The little lantern with the big light. Specially priced for popular use.

Height—11½ inches.
Light—6 candlepower.
Wick—⅝ inch
Burns—20 hours
Globe-Dietz "Little Wizard Loc-Nob"
Burner—No 201 (Steel).
Package—One Dozen.

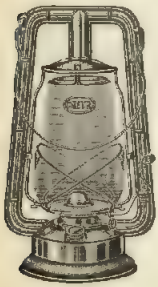
Per Doz. White Globes **$13.50**
Per Doz Ruby Globes . . . **16.60**

No. 2 D-Lite

Embodies the latest ideas in high grade lantern making

Height—13¾ inches
Light—10 candlepower
Wick—1 inch
Burns—20 hours
Globe-Dietz "D-Lite Loc-Nob"
Burner—No. 262 (Steel).
Package—Half Dozen.

Per Doz. White Globes . . **$20.00**
Per Doz. Ruby Globes . . . **23.10**

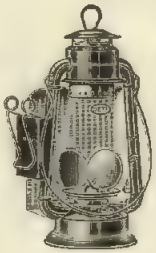


Monarch

The old reliable round tube No. 0 with all latest improvements. Best lantern of its kind ever made

Height—13½ inches
Light—4 candlepower.
Wick—⅝ inch.
Burns—20 hours.
Globe-Dietz "Blizzard-Fitz-all Loc-Nob."
Burner—No. 411 (Steel).
Package—One Dozen.

Per Doz. White Globes . **$12.50**
Per Doz. Ruby Globes . . . **15.60**

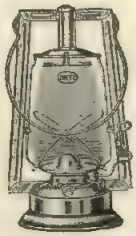


Junior Wagon Lantern

Compact size and dependable—note bullseye lens. Also shows ruby rear signal. Comes with flat wagon bracket

Height—12 inches
Light—10 candlepower.
Wick—⅝ inch
Burns—15 hours
Globe—Dietz "Junior."
Burner—No. 201 (Steel).
Package—Half Dozen.

Price per Doz **$27.00**



Little Star

A well made small lantern with square tubes.

Height—11 inches.
Light—3 candlepower.
Wick—⅝ inch
Burns—20 hours.
Globe—Dietz "Junior."
Burner—No. 411 (Steel)
Package—One Dozen.

Per Doz. White Globes . . **$12.25**
Per Doz Ruby Globes **15.35**

No. 2 Blizzard Mill Lantern

Approved by the Insurance Inspection Department. Extra well braced at all points. Safety oil well. May be padlocked to prevent exposure of flame.

Height—14¾ inches.
Light—10 candlepower
Wick—1 inch
Burns—20 hours.
Globe—Dietz "Blizzard-Fitz all."
Burner—No. 252 (Steel)
Package—Half dozen.

Price per Doz **$47.00**

Dietz Kerosene Lanterns

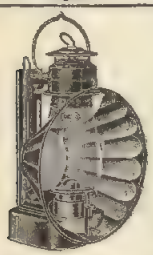
Dietz "Imperial" Platform Lantern

For Kerosene

Highest quality, requires little care, no chimney to clean Green enamel finish

Height—21 inches
Light—60 candlepower.
Wick—1½ inches
Burns—17 hours
Burner—No 303 (Steel).
Reflector—8 inches
Package—One only.

Price, each.....$13.75



Dietz No. 30 "Beacon" Wall Lantern

For Kerosene

Suitable for summer camps, boat landings, parking sites, etc. Not practical as a hand lantern. Green enamel finish.

Height—15¼ inches
Light—30 candlepower
Wick—1 inch.
Burns—35 hours.
Globe—"Blizzard-Fitzall."
Burner—No. 262 (Steel)
Package—Quarter dozen.

Price, doz..... $48.00

Dietz "Vulcan" Railroad Lantern

For Signal Oil

Very strong construction. Dependable signalling lantern of low candlepower.

Height—10 inches.
Light—2 candlepower
Wick—1 inch
Burns—24 hours
Globe—Dietz "Vulcan" (No. 39)
Burner—No. 1 Extra Special Ratchet
Package—One Dozen

Price, doz $23.90

Dietz "Ideal" Inspector's Lantern

For Kerosene

For railroad car inspectors and watchmen. Regulation wire bail and stationary handle with non-heating grip

Height—11½ inches.
Light—15 candlepower
Wick—⅝ inch
Burns—18 hours
Globe—Heat-resisting Dietz "Vesta."
Burner—No. 201 (Steel)
Reflector—4 inches.
Package—Half dozen.

Price, doz. $43.50

Dietz "Climax" Platform Lantern

For Kerosene

Wall or Platform Lantern at lower price Serves many purposes. Green enamel finish

Height—17½ inches
Wick—1 inch.
Burns—23 hours
Burner—No. 162
Chimney—No. 2 Sunbulb.
Reflector—8 inches
Package—One only.

Price, each $7.15

Dietz No. 25 Wall Lantern

For Kerosene

Excellent for tents, cabins, outdoor kitchens, piazzas, etc. Not suitable as a hand lantern. Green enamel finish

Height—15 inches
Light—25 candlepower
Wick—1 inch
Burns—35 hours.
Globe—"Blizzard-Fitzall."
Burner—No. 262 (Steel).
Reflector—6 inches
Package—Half dozen.

Price, doz $43.50

Dietz "Acme" Inspector's Lantern

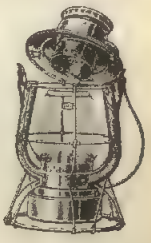
For Kerosene

Being standard on all railroads of importance, the Dietz "Acme" is the acme of perfect construction and lighting power. Non-heating handle and wire bail

Height—15 inches
Light—20 candlepower.
Wick—⅝ inch
Burns—20 hours
Globe—Dietz "Blizzard-Fitzall"
Burner—No. 551 (Steel)
Reflector (Silvered Glass)—5 inches.
Package—Half dozen

Price, doz $36.50

Dietz "Vesta" Railroad Lantern



For Kerosene

The trail-breaking Vesta that first disproved the belief that signal oil only must be used in trainmen's lanterns. Gives double the light at one-third the cost for oil The best lantern Dietz makes for any purpose

Height—11 inches.
Light—3 candlepower.
Wick—⅝ inch
Burns—10 hours
Globe—Dietz "Vesta."
Burner—No. 500 (Steel).
Package—One dozen.

Price, doz. $31 85

Globes for Dietz Kerosene Lanterns

Dietz "Blizzard-Fitzall Loc-Nob"

This new Loc-Nob Globe fits all Dietz Lanterns that formerly required "Blizzard" Cold Blast or "Fitzall" No. 0 Globes. It simplifies stock and adds the selling feature of Loc-Nob Globe protection to various Dietz Lanterns formerly without it.

New Standard on Dietz No. 2 Blizzard and on Dietz Mill and Wall Lanterns.

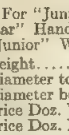
Height, 6⅜ inches; diameter, top, 2¹³⁄₁₆ inches; diameter, bottom, 3⅛ inches.

Price Per Doz. White.....$1.56
Price Per Doz. Ruby..... 3.88

Dietz "Junior"

For "Junior" and "Little Star" Hand Lanterns and "Junior" Wagon Lantern.

Height.....5½ in.
Diameter top.....2⅜ in.
Diameter bottom..2¹³⁄₁₆ in.
Price Doz. White...$1.56
Price Doz. Ruby..... 3.88



Dietz "D-Lite Loc-Nob"

For No. 2 "D-Lite" Lanterns.

Height.....4⅝ in.
Diameter top..4⅛ in.
Diam. bottom..3⅛ in.
Price Doz. White$1.56
Price Doz. Ruby 3.88

Dietz "Little Wizard" Loc-Nob"

For "Little Wizard" Hand Lantern.

Height.....3¹⁵⁄₁₆ in.
Diameter top....3¼ in.
Diameter bottom..2¹³⁄₁₆ in.
Price Doz. White...$1.56
Price Doz. Ruby... 3.88

"Dietz Vesta"

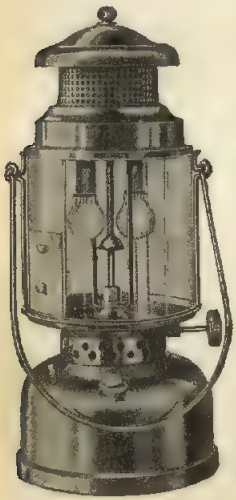
For "Vesta" Railroad Lantern and "Ideal" Inspector's Lantern.

Height.....4⅝ in.
Diameter top.....2⅜ in.
Diameter bottom..2¾ in.
Price Doz. White... $1.88
Price Doz. Ruby.... 4.70

Dietz "Vulcan" (No. 39)

For "Vulcan" and Railroad Lanterns.

Height .... .5⅞ in.
Diameter top.....2½ in.
Diameter bottom..3¼ in.
Price Doz. White...$1.88
Price Doz. Ruby... 4.70



"Nulite" Gasoline Lanterns

Make and Burn their own Gas from Common Motor Gasoline Generate and Light with a Common Match

It produces a 400 candle-power light (equal to twenty ordinary kerosene wick lanterns) continually for 13 hours on one filling—one quart of common motor gasoline—costs only one cent a night for 3 hours' burning.

Lantern is the highest development in a portable outdoor light. Built as it is to withstand the hardest use and under the most trying weather conditions it is really a lighting marvel for city, town and country.

Unaffected by high wind, rain, snow and sleet, it can be carried right through the fiercest storm.

Ideal for the farmer, ranchman, planter, dairyman, poultryman, and truck-gardener for night and early morning choring in the barn, milk-shed and feed lot used extensively by warehousemen, night-watchmen, liverymen and hotel-keepers just the thing for campers, travelers, hunters and sportsmen—popular for chautauquas, camp-meetings, shows, carnivals—splendid for street lighting in small towns and summer resorts.

Price, Each $10.00

"Oliver" Motor Driven Saw Bench

No. 2807

Will cut 2" deep with a 7" diameter saw, dado heads 3/16" wide can be used, which should be 6" diameter.

Table is of cast iron 21" x 24", with metal throat piece easily removable; has grooves on either side of saw for cut-off gauges and milled out slide in front for ripping gauge; tilts up to 45 degrees and is instantly locked by hand knob.

Saw arbor is of crucible steel, machine ground, 1/2" diameter where saw is applied, runs in **ball bearings.** Speed about 5,000 R.P.M. Is carried in a vertically adjustable yoke.

1/2 h.p. motor, about 1,800 R.P.M. mounted on a swinging bracket and has arrangement for keeping the proper tension on the belt

"Combination" Wood Frame Saw Bench

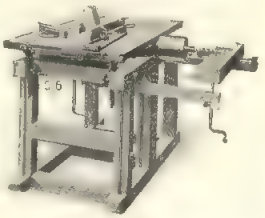
Our "Combination" Wood-frame Saw Bench shown here is intended for ripping and cutting off and may be fitted with a boring attachment also when desired.

The Frame is made of 3 1/8" x 3 1/8" seasoned hardwood, accurately fitted and securely bolted together, insuring rigidity and durability. The top is 54" x 30" and is made of iron. It is hinged at the rear and may be raised and lowered by the hand screw and firmly clamped in any position.

The ripping gauge tilts to any bevel, and has rapid, fine adjustment. The cut-off gauge slides in a groove the entire length of the table and can be set to cut square or angles up to 45 degrees.

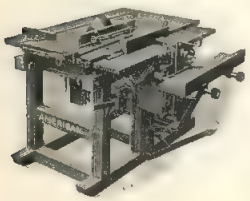
Regularly furnished with one each 14" rip and cut-off saws; but saws up to 20" can be used

Boring attachment has a travel of 6" in line with spindle and 3 1/2" vertical adjustment, and weighs, alone, 50 lbs.



No. 2808
With Iron Top

Contractors' Portable Variety Woodworker



No. 2809

With Self-Contained Gasoline or Electric Power

It's a rip saw, a cut-off saw, a mitre saw, a dado machine, a gaining machine, a jointer or planer, a boring machine, a matcher, a molder, a sander—all self-contained with jig saw attachment.

Frame is made of 3 1/8" x 3 1/2" seasoned hard wood; top is iron, 54" x 30", accurately planed, and raised by hand screw. It is independent of the jointer table and neither interferes with the other.

Adjustable ripping and cut-off gauges are provided

Boring table travels 6" in line with the spindle, with 3 1/2" vertical adjustment.

Sawing, jointing or planing, boring and scroll sawing, can all be done at once by four different persons, without interference or making any change in the machine.

"Oliver" Variety Saw Bench

Front View of Belt Driven Machine with Mortising and Boring Attachment

No. 2804-80

Meets modern demands in production of variety woodwork, wood patterns, furniture, automobile bodies, carriage bodies, agricultural implements, and other high grade wood work. It is a favorite in technical and manual arts schools. It will rip, cross cut and dado. It will cut a perfect mitre, measure any angle instantly and accurately, cut off to length or rip to width —all without the operator doing any previous calculating or referring to a rule. All parts are interchangeable.

Machine will rip to 23" wide and cut-off 32" wide by use of universal ripping table; will rip 27" wide and cut-off 15" wide by use of plain table; will cut up to 3" thick with 14" saw, or 4" thick with 16" saw. Will work dados up to 4" wide and carry saws to 18" diameter. With mortising and boring attachment will bore holes 6" deep up to 2" diameter, will mortise holes up to ¾" square and 4" deep.

Variety Saw

No. 2805-275

The great variety of work to which this machine can be adapted, the precision and accuracy with which it can be handled, the convenience of adjustment, strength and durability of all its parts, particularly recommend it.

The table is 48" x 38". A removable wood throat plate 9" x 23" surrounds the saw.

To tilt the table the sliding gauge is clamped to the bar with index pointer at the required degree, the lower clamp released, and the table when tilted will stop at the desired angle. Table tilts 45 degrees.

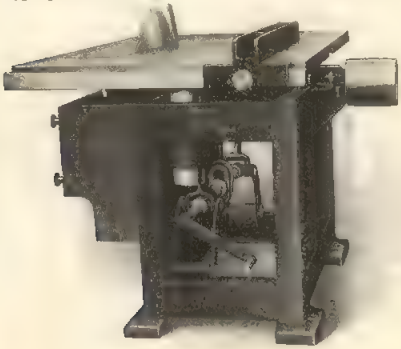
The rip gauge can be set 20" from the saw.

The cross cut gauge is graduated to cut from 0 to 45 degrees either way and can be securely clamped. A 14" saw will cut stock 4" thick. 18" saws can be used.

One 14" saw, either rip or cross cut, one rip and one cross cut gauge supplied with each machine.

Tight and loose pulleys 10" x 6". Speed 650 R.P.M.

H.P. 5 to 7½.



"Oliver" Hand-Feed Rip Saw-Table

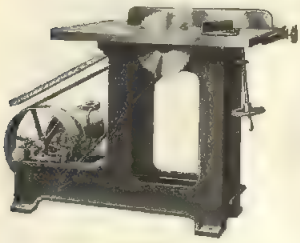
No. 2806-45

This machine has been designed especially for general utility purposes. Its adaptability for either light or heavy work is its main feature.

Will take a saw 26" diameter that will saw to 9" in thickness. A 18" saw projects 5¼" through the table. Extreme distance between saw and fence, 26½"

H.P. 5 to 10.

Saw-Table



No. 2800-1

A machine that is well suited for shop and factory use. Being very compact, it is also well suited for use in packing-room of mercantile establishments for sawing box and crate material.

The ripping fence will tilt to any angle to 45 degrees for bevel sawing.

It opens 19" from the saw, and a scale is provided showing width to be ripped.

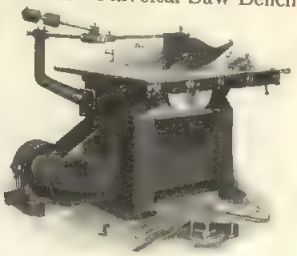
The cut-off fence adjusts for any angle.

The table is of cast iron 30 x 38". It is hinged at back, and has wooden throat-piece to suit for grooving.

Saws up to 14" may be used.

A 12" saw will saw through a piece 2½" thick.

"Oliver" Universal Saw Bench



Universal Saw Bench Showing Self Contained Motor Drive

No. 2801-60

A modern and efficient double arbor rip and cross-cut Saw Bench

Capacity: Will rip to 26" wide, will cut off to 36" wide up to 1½" thick, 16' Saw projects through the table 4¾", can use saws 20" diameter but only one at a time. 16" Saws are sent with machine, table throat opening 14½", horse-power does not exceed 5.

No. 2802-90

This Saw Bench fills a demand for a somewhat smaller machine than our **No. 60** saw bench. The two principal points of difference being a smaller table top and 14" instead of 16" saws.

Capacity: Machine will rip 26" wide, cut off 34" wide up to 1½" thick. 14" saws project through the table 4". Can use one saw 18" diameter not revolving the yoke. Will work a dado 4" wide. Table throat opening, 4". Horse-power does not exceed 5.

Combination Saw-Table

No. 2803-2

This machine is excellent as a rip-saw table; it is equally handy for grooving, rabbeting, beveling, cutting off, etc

The table tilts to any angle up to 45 degrees by means of a handwheel and worm-gear.

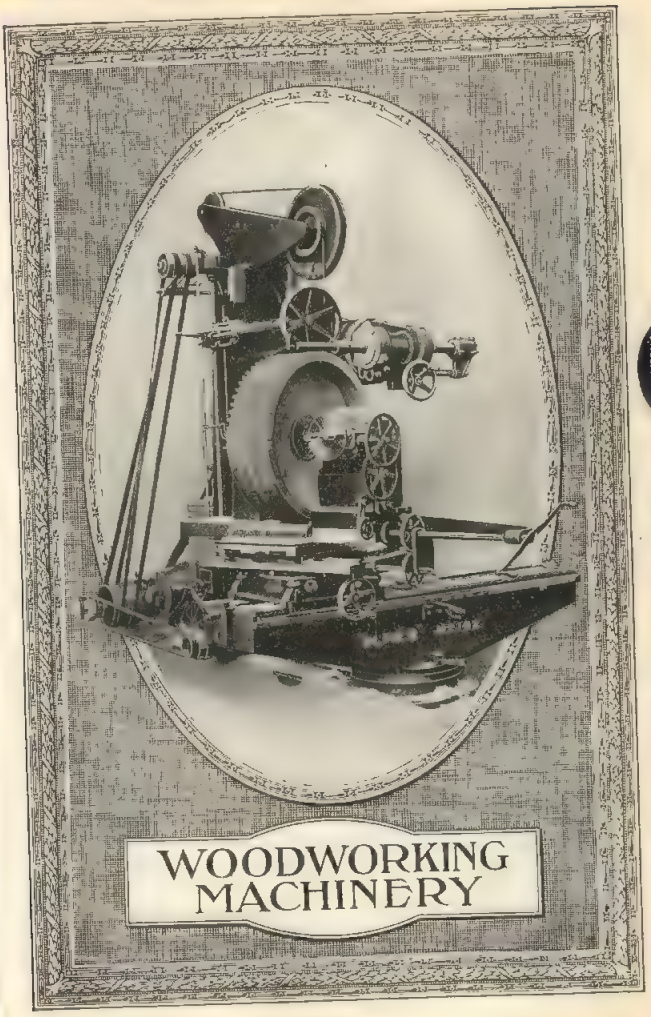
The fence opens 20" from saw, and a graduated scale on front edge of table shows width to be ripped

The fence can be used on either side of the saw, when used on right side of saw, it will tilt to 45 degrees, when used on left side, the fence will not tilt

An adjustable cut-off fence with scale is also provided for cutting off square, or to any desired angle

A 12" saw will cut through a piece 3" thick. Saws larger than 14" cannot be used. A groover-head 2" wide can be used, and it requires a head 8" in diameter to groove 1" deep.

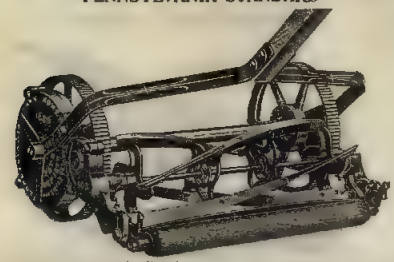
Boring attachment with wood table and self-centering chuck can be furnished with this machine.



WOODWORKING MACHINERY

Pennsylvania Quality Lawn Mowers

PENNSYLVANIA STANDARD



Four Extra Wide Crucible Tool Steel Blades. Oil Hardened and Water Tempered. **Train of Triple Gears.** Extra Long Wheel Base. Cuts Smoothly Over Uneven Ground. Wheels, 8 or 10½ Inches. **Open Spokes.** Accurately Machined Malleable and Cast Parts. Crucible Tool Steel Bottom Knife, Flat Pattern, Hardened and Tempered. Hardwood Handle. Adjustable Steel Clamps on Cross-Bar.

Discount, 45 and 10%.

LOW WHEEL

8-inch Wheels. 5½-inch, Four-blade Cylinder

Width of Cut, Inches	14	16	18
Wt., Bxd., Inc. Handle, Pounds	58	60	63
List Price, Each	$28.00	32.00	36.00

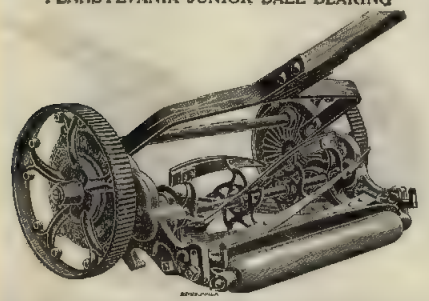
Discount, 25 and 10%.

HIGH WHEEL

10½-inch Wheels. 8½-inch, Four-blade Cylinder.

Width of Cut, Inches	15	17	19	21
Weight Boxed,, Inc. Handle, Lbs.	78	82	85	97
List Price, Each	$30.00	34.00	38.00	42.00

PENNSYLVANIA JUNIOR BALL BEARING



Five Extra Wide Crucible Tool Steel Self-sharpening Blades, Oil Hardened and Water Tempered. A Triple Set of Gears on Each Side. Extra Long Wheel Base. Cuts Smoothly Over Uneven Ground. Wheels 8 or 10 Inches. Open Spokes. Crucible Tool Steel Bottom Knife, Raised Edge Tempered. Height of Cut, ½ to 1 5/8 Inch. Will Cut Grass 6 Inches High. Accurately Machined Malleable and Cast Parts. Hardwood Handle. Adjustable Steel Clamps on Cross-Bar.

Discount, 45 and 10%.

LOW WHEEL

8-Inch Wheels. 5½-Inch, Five-blade Cylinder

Width of Cut, Inches	12	14	16	18
Weight, Boxed, Inc. Handle, Lbs.	59	62	65	68
List Price, Each	$24.00	$28.00	32.00	36.00

Discount, 25 and 10%.

HIGH WHEEL

10-Inch Wheels. 6-Inch, Five-blade Cylinder.

Width of Cut, Inches	15	17	19	21
Weight, Boxed, Inc. Handle, Lbs.	71	74	77	80
List Price, Each	$30.00	34.00	38.00	42.00

PENNSYLVANIA GOLF

For Golf Courses, Tennis Courts, Cricket Greases, etc.
Crucible Tool Steel Blades, Oil Hardened and Water Tempered. Train of Double Gears. Extra Long Wheel Base. Will Run Smoothly and Not Tip Up. Wheels 8 Inches on Low Wheel Mower, 9½ Inches on High Wheel Mower. Accurately Machined Malleable and Cast Parts. Crucible Tool Steel Bottom Knife, Raised Edge Tempered. Height of Cut, ½ to 1½ Inches. Hardwood Handle. Adjustable Steel Clamps on Cross-Bar. Iron Roller Supplied with High Wheel Mower Only.

Discount,

Mower 20% Grass Box 20%

HIGH WHEEL

Ball Bearing. Seven Blades. Iron Roller.

9½-Inch Wheels. 6½-Inch Cylinder.

Width of Cut, Inches	17	19	21
Weight, Boxed, Inc. Handle, Pounds	75	79	86
List Price, Each	$34.00	38.00	42.00
Special Grass Box List Extra	8.00	8.00	8.00

Discount,

Mower 40% Grass Box 20%

LOW WHEEL

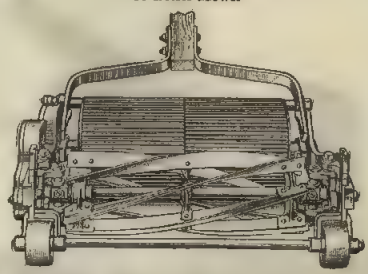
Plain Bearing. Six Blades. Wood Roller.

8-Inch Wheels. 5½-Inch Cylinder.

Width of Cut, Inches	14	16	18
Weight, Boxed, Inc. Handle, Pounds	62	67	71
List Price, Each	$28.00	32.00	36.00
Special Grass Box List Extra	8.00	8.00	8.00

PENNSYLVANIA PUTTING GREENS

Or Roller Mower



For Putting Greens, Tennis Courts, etc. Requiring Close Cut

For cutting undulating or wavy putting greens also tennis courts this mower is preferred by many competent greenskeepers and is used on many prominent golf courses in this and other countries. The cylinder and driving drums run in improved pattern HYATT ROLLER BEARINGS, all gears are accurately cut, the knives are crucible tool steel, oil hardened and water tempered and the mower is so well balanced that it pushes very easily

The lower knife is bolted to the frame and all adjustment for wear on the blades is taken up on the cylinder bearings. It will cut to ⅜ inch of ground

Rollers, 7 Ins. Diameter; Cylinder, 5 Ins. Diameter, 6 Blades.

Discount,

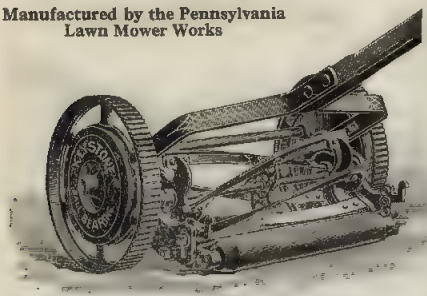
Mower 20% Grass Box 20%

7-Inch Rollers. 5-Inch, Six-blade Cylinder.

Width of Cut, Inches	14	16	18
Weight, Boxed, Inc. Handle, Lbs.	76	85	94
List Price, Each	$28.00	32.00	36.00
Special Grass Box List Extra	8.00	8.00	8.00

The Famous Keystone Ball Bearing Lawn Mower

Manufactured by the Pennsylvania Lawn Mower Works



FIVE BLADES—Made of Oil Hardened and Water Tempered Crucible Tool Steel.
DOUBLE GEARS—Each Drive Wheel Contains One. Hardened Tool Steel Cone and Cups. Highest Quality Extra Large Balls.
10-INCH WHEELS—Six Spokes. Has Solid Center Protecting Gears.
PARTS—These are Malleable and Cast, Accurately Machined to Insure Noiseless Service.
BOTTOM KNIFE—Made of Crucible Tool Steel. Raised Edge. Self-Sharpening.
HEIGHT OF CUT—¾ to 1¾ Inch. Will Cut Grass 6 Inches High.
HARDWOOD HANDLE—Has Iron Braces on Cross Bar.

Discount 45-10%

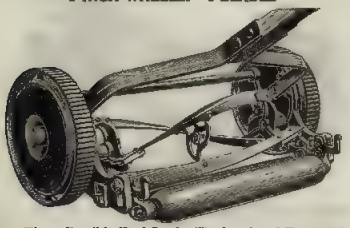
Finished in Light Green and Gilt
10-inch Wheels. 6-inch, Five-Blade Cylinder

Width of Cut, Inches	15	17	19	21
Weight, Boxed, Including Handles, Pounds	65	67	71	76
List Price. Each	$30.00	34.00	38.00	42.00

Liberty Lawn Mowers

Manufactured by the Pennsylvania Lawn Mower Works

8-INCH WHEELS. 3 BLADES



Blades—Three Crucible Tool Steel. Hardened and Tempered.
Wheels—8 Inches Diameter. Solid Center.
Bottom Knife—Spring Steel. Hardened and Tempered.
Castings—Are Machined to Accurately Fit the Mower. Insuring Noiseless Action, Easy Pushing and Smooth Cutting. Broken or Worn Parts May Be Easily Replaced.

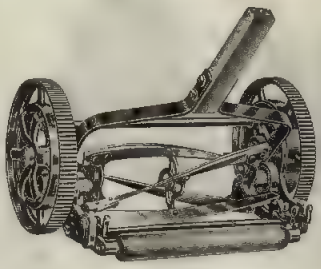
In Manufacturing the Majority of Low Priced Lawn Mowers no Thought is Given to the Quality of the Machine, the Object Simply Being to Make it Sell for a Cheap Price. with the Result You Have the Most Expensive Mower You Can Buy, as Usually They Last but a Few Weeks.

The "Liberty" is Different. It is Made of the Best Material and By Skilled Labor.

Width of Cut, Inches	12	14	16	18
Weight, Boxed, Including Handles, Pounds	43	45	48	51
Net, Each	$6.50	7.00	7.50	8.00

Pennsylvania Quality Lawn Mowers

ORCHID BALL BEARING



Four Crucible Tool Steel Blades, Hardened and Tempered. Internal Gears One in Each Wheel. Steel Ball Bearings. Wheels—10 Inches in Diameter. Reinforced Rims. Accurately Machined and Malleable and Cast Parts. Spring Steel, Hardened and Tempered Bottom Knife. Height of Cut, ¾ to 1¾ Inches. Hardwood Handle. Adjustable Steel Clamps on Cross-Bar.

HIGH WHEEL

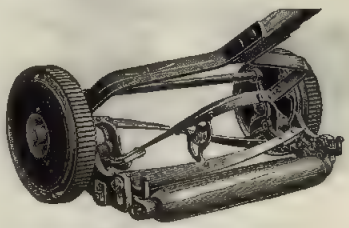
10-Inch Wheels. 5½-Inch, Four-blade Cylinder.

Width of Cut, Inches	14	16	18
Weight, Boxed, Inc. Handle, Pounds	50	54	58
Net Each	$11.00	11.50	12.00

New Westfield Lawn Mowers

Manufactured by the Pennsylvania Lawn Mower Works

8-INCH WHEELS. 3 Blades



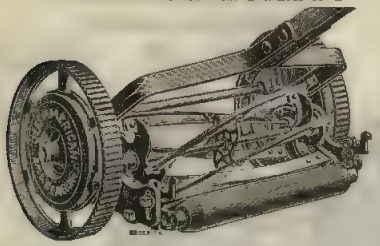
Three Crucible Tool Steel, Hardened and Tempered. Internal Gears, One in Each Wheel. Split Bronze Bearings. Wheels 8-inch Diameter. Spoked Rim. Accurately Machined Malleable and Cast Parts. Spring Steel, Hardened and Tempered Bottom Knife. Height of Cut ¾ to 1¾ Inches. Hardwood Handle. Adjustable Steel Clamps on Cross-Bar.

8-Inch Wheels. 5-Inch, Three Blade Cylinder.

Width of Cut, Inches	12	14	16	18
Weight Boxed, Including Handle, Lbs	43	45	48	51
Net, Each	$6.50	7.00	7.50	8.00

Pennsylvania Quality Lawn Mowers

GREAT AMERICAN BALL BEARING



Five Crucible Tool Steel Blades, Oil Hardened and Water Tempered. Double Gears, One in Each Drive Wheel. Wheels, 10 Inches. Six Spokes. Accurately Machined Malleable and Cast Parts. Crucible Tool Steel Bottom Knife, Raised Edge, Self-sharpening. Perfectly Fitting Ball Cups and Cones. Height of Cut, ½ to 1½ Inches. Hardwood Handle. Adjustable Steel Clamps on Cross-Bar.

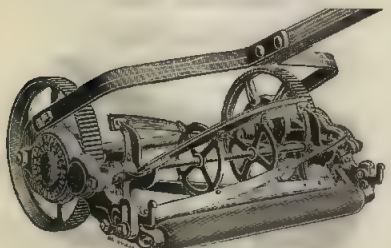
Discount, 45 and 10%

HIGH WHEEL

10-Inch Wheels. 6-Inch, Five-blade Cylinder.

Width of Cut, Inches	15	17	19	21
Weight, Boxed, Inc. Handle, Lbs.	65	67	71	76
List Price, Each	$30.00	34.00	38.00	42.00

CONTINENTAL PLAIN BEARING



For High Grass and Rough Lawns. A Favorite with Railroads, Cemeteries, etc.

Four Crucible Tool Steel Blades, Oil Hardened and Water Tempered. A Triple Set of Gears on Each Side. Extra Length Wheel Base. Wheels, 7½ Inches Closed. 9½ Inches Open Spokes. Accurately Machined Malleable and Cast Parts. Crucible Tool Steel Bottom Knife, Flat Pattern, Hardened and Tempered. Height of Cut, Adjustable ½ to 1½ Inches. Hardwood Handle. Adjustable Steel Clamps on Cross-Bar.

Discount, 25 and 10%

HIGH WHEEL

9½-Inch Wheels. 6½-Inch, Four-blade Cylinder.

Width of Cut, Inches	15	17	19	21
Weight, Boxed, Inc. Handle, Lbs.	68	72	76	82
List Price, Each	$30.00	34.00	38.00	42.00

QUAKER CITY PLAIN BEARING

A Favorite with Gardeners. Strong and Durable, Easy Operating

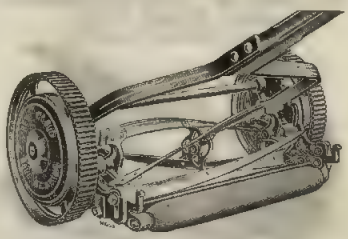
Four Crucible Tool Steel Blades, Oil Hardened and Water Tempered. Double Gears, One in Each Wheel. Parallel Bearings, Accurately Machined. Wheels, 7 Inches. Accurately Machined Malleable and Cast Parts. Self-sharpening Bottom Knife. Height of Cut—½ to 1½ inches. Hardwood Handles. Adjustable Steel Clamps on Cross-Bar.

Discount, 60 and 10%

7-Inch Wheels. 5-Inch, Four-blade Cylinder.

Width of Cut, Inches	14	16	18
Weight, Boxed, Inc. Handles, Pounds	48	51	54
List Price, Each	$28.00	32.00	36.00

RED CLOUD BALL BEARING



Simple Construction. A Strong, Light Running Mower.

Four Crucible Tool Steel Blades, Hardened and Tempered. Internal Gears One in Each Wheel. Steel Ball Bearings. Wheels, 10 Inches. Closed Center. 6 Inch Spokes to Rim. Accurately Machined Malleable and Cast Parts. Spring Steel, Self-sharpening Bottom Knife. Height of Cut, ½ to 1½ Inches. Hardwood Handle. Adjustable Steel Clamps on Cross-Bar.

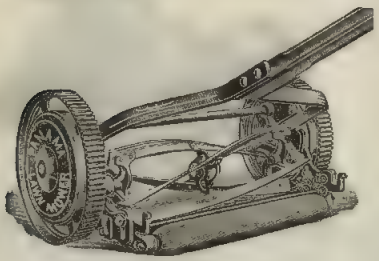
HIGH WHEEL

10-Inch Wheels. 5½-Inch, Four-blade Cylinder.

Width of Cut, Inches	14	16	18
Weight, Boxed, Inc. Handle, Pounds	50	52	54
Net Each	$11.00	11.50	12.00

Pennsylvania Quality Lawn Mowers

PANAMA BRONZE BEARING



A High-grade, Low-priced Mower.

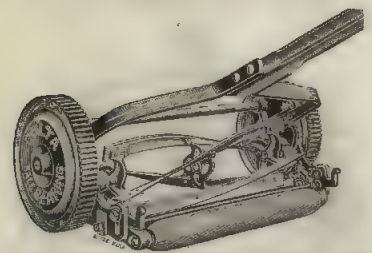
Four Crucible Tool Steel Blades, Hardened and Tempered. Internal Gears, One in Each Wheel. Split Bronze Bearings. Wheels, 10 Inches in Diameter—Spoked Rim. Accurately Machined Malleable and Cast Parts. Crucible Tool Steel Self-sharpening Bottom Knife. Height of Cut, ½ to 1½ Inches. Hardwood Handle. Adjustable Steel Clamps on Cross-Bar

HIGH WHEEL

10-Inch Wheels. 5-Inch, Four-blade Cylinder.

Width of Cut, Inches	14	16	18
Weight, Boxed, Inc. Handle, Pounds	45	48	51
Net Each	$9.50	10.00	10.50

DELTA BALL BEARING



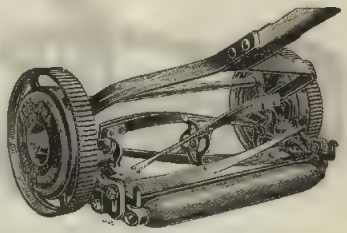
Ball Bearing Mower at a Low Price. Made to Withstand Hard Service.

Four Crucible Tool Steel Blades, Hardened and Tempered. Internal Gears, One in Each Wheel. Steel Ball Bearings. Wheels, 8 Inches. Spoked Rim. Accurately Machined Malleable and Cast Parts. Tempered Spring Steel, Self-sharpening Bottom Knife. Height of Cut, ½ to 1½ Inches. Hardwood Handle. Adjustable Steel Clamps on Cross-Bar.

8-Inch Wheels. 5-Inch, Four-blade Cylinder.

Width of Cut, Inches	12	14	16	18
Weight, Boxed, Inc. Handle, Lbs	42	44	47	50
Net Each	$8.00	8.50	9.00	9.50

ELECTRA BRONZE BEARING

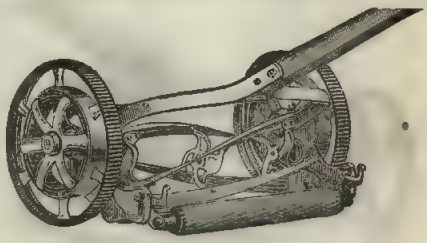


Four Crucible Tool Steel Blades, Hardened and Tempered. Internal Gears, One in Each Wheel. Split Bronze Bearings. Wheels, 8-Inch Diameter. Spoked Rim. Accurately Machined Malleable and Cast Parts. Spring Steel, Hardened and Tempered Bottom Knife. Height of Cut, ½ to 1½ Inches. Hardwood Handle. Adjustable Steel Clamps on Cross-Bar.

8-Inch Wheels. 5-Inch, Four-blade Cylinder.

Width of Cut, Inches	12	14	16	18
Weight, Boxed, Inc. Handle, Lbs		45	47	50
Net Each	$7.00	7.50	8.00	8.50

BELMONT BRONZE AND BALL BEARING



Finished in Aluminum and Gilt.

Four Crucible Tool Steel Blades, Hardened and Tempered. Internal Gears, One in Each Wheel. Steel Ball Bearings. Wheels, 9 Inches in Diameter. Reinforced Rims. Accurately Machined Malleable and Cast Parts. Spring Steel, Hardened and Tempered Bottom Knife. Height of Cut, ½ to 1½ Inches. Hardwood Handle. Adjustable Clamps on Cross-Bar.

9-Inch Wheels. 5½-Inch, Four-blade Cylinder.

Width of Cut, Inches	14	16	18
Weight, Boxed, Inc. Handle, Pounds	48	52	56
Net Each, Ball Bearing	$10.00	10.50	11.00
Net Each, Bronze Bearing	8.50	9.00	9.50

POPE-MADE BICYCLES

The "Pope-made" Line of Bicycles have Several Outstanding Features Making for Unusual Strength and Durability. The Steering Head is Possibly Subjected to More Severe Strain than Any Other Part of the Frame Unusual Strength is Secured at this Point by Means of a Spun Head Construction Eliminating Two Joints. The Main Frame Tubes are Cut to Correct Lengths and the Ends are "Spun" Directly into the Frame Head. The Hanger Bracket is "Drawn" by Special Process so as to Retain Correct Frame Alignment The Pope One-piece Hanger, Used Without Change for More than a Generation is Still Used. All Bearings are Subjected to Rigid Inspection and so Treated as to Give Them the Greatest Wear-Resisting Qualities.

WILLIAM PENN

Roadster

FRAME—22".

FORK—Forged Crown.

GUARDS—Wide Drop Side with Special Flare on Front. Riveted Braces. Red Jewel Reflector on Rear.

RIMS Standard Wood Rims, Enameled to Match Frame

SPOKES Rustproof Spokes with a Tensile Strength of 160,000 Lbs. to the Square Inch.

BRAKE New Departure Coaster Brake.

HANDLE BAR—Wide Roomy Standard Bars.

GRIPS—Ebony Finish Black Rubber.

TIRES—1925 Federal, Traffik Tread. Guaranteed.

SADDLE—Troxel No. MB2.

PEDALS—New Model Motorcycle Type.

TOOLS—Universal Wrench and Brake Wrench.

FINISH—Pope Red Body with Black Head. Outlined with Gold Hair-line Stripes.

Each

MODEL **105**—WM. PENN . . **$28.00**

ORIENTAL

Archbar

Same in Design, Construction and Equipment as the Roadster Model 10.5 but is Built in a 21 Inch Frame Only. Provides an Excellent "Heavy Duty" Machine Because of the Extra Truss in the Frame Which Affords Extra Strength and Rigidity

FINISH Pennant Blue with Black Head, Outlined in White Stripes.

Each

MODEL **305** ORIENTAL..... **$29.00**

POPE-MADE BICYCLES

The Bicycles Shown on this Page are of the Same High Quality as Those Models Shown on Previous Pages but Designed Along Slightly Different Lines so as to Meet the Demands of Those Desiring Something Different than the Regular Models.

RED CHIEFTAIN

Motobike

Built According to the Original Pope Motobike Design of Frame Construction, Carrying a Special Truss Fork with Drop-Forged Crown and Enameled Rods.

FRAME—21" Regular, Optional 19".

FORK—Special Motobike Truss.

GUARDS—Wide Drop Side with Special Flare on Front. Riveted Braces. Red Jewel Reflector on Rear.

RIMS—Standard Wood Rims Enameled to Match Frame.

SPOKES—Rust-proof Spokes Made of High Quality Acid Open Hearth, Rust-Resisting Stock.

BRAKE—New Departure Coaster Brake.

HANDLE BAR — Wide and Roomy Motobike Type.

GRIPS—Ebony Finish Black Rubber.

TIRES—1925 Federal, Traffik Tread. Guaranteed.

SADDLE—Troxel Motobike.

PEDALS—New Model Motobike Type.

STAND—Sturdy Stand that will Hold Both Wheel and Rider if Desired.

TOOLS—Universal Wrench and Brake Wrench.

FINISH—Pope Red Body with Black Head. Outlined with Gold Hair-line Stripes.

Each

MODEL 205 RED CHIEFTAIN. **$30.25**

REX

Racer

This is a High-grade One-piece Hanger Racing Bicycle Furnished Only in the 21 Inch Frame Size with a 2⅞ Inch Drop at the Hanger. It Carries a Full Nickel Fork with Short Fork Sides, Special Design Racing Hubs, Front and Rear, Lawson Racing Bar, Fisk Cord Road Racing 1¼ Inch Tires, Troxel Track Racer Saddle, Star Racing Pedals, Natural Finish American Wood Rims, 6½ Inch One-piece Cranks, and Duckworth Block Racing Chain with Recessed Rivets. It is Geared with 26 by 8 Tooth Sprockets.

FINISH—Pope Red Body and Head, Full Nickeled Forks.

Each

MODEL 605—REX..... **$28.00**

POPE-MADE BICYCLES

The Bicycles Shown on this Page are of the Same High Quality and Construction as are Shown on Previous Pages, but are Designed Especially for the Youth The Junior Roadster Model is Suitable for the Boy at the "in Between" Age for Whom a Regular Adult Model Would be too Large and a Boy's Juvenile Would be too Small.

SNAPPY BOY

Junior Roadster

The Most Popular Boys' Model in the Line, Partly Because it Combines the Racy Appearance of the Motobike with the Proven Construction Principle of the Roadster Model.

FRAME—19" Drop Bar.

FORK—Forged Crown.

GUARDS—Wide Drop Side with Special Flare on Front. Riveted Braces. Red Jewel Reflector on Rear

RIMS—Standard Wood Rims, Enameled to Match Frame

SPOKES—Rust-proof.

BRAKE—New Departure Coaster Brake.

HANDLE BAR—Wide, Comfortable Standard Bar.

GRIPS—Ebony Finish Black Rubber.

TIRES—1925 Federal, Traffik Tread. Guaranteed.

SADDLE Troxel Motobike Type.

PEDALS New Model Motobike Type.

TOOLS Universal Wrench and Brake Wrench.

FINISH -Pennant Blue with Black Head. Outlined in White Stripes.

Each

MODEL 405 SNAPPY BOY . . . **$29.00**

PENNSYLVANIA JUNIOR

Boys' Juvenile

The Frame Construction of this Model is Similar to the Junior Roadster Model Shown Above, having the Upper Bar Dropped to Provide a 17 Inch Height. This Model Carries a New Departure Coaster Brake, Forward Extension Handle Bar, Ebony Rubber Grips, Fisk 26 by 1⅜ Inch Juvenile Tires, Troxel Scout Saddle with Padded Top Coil Spring Front and Extension Rear Springs, Motocycle Type Pedals, Special Westfield Design, Drop-side Guards with Red Jewel Reflector on Rear Guard and High Grade Roller Chain.

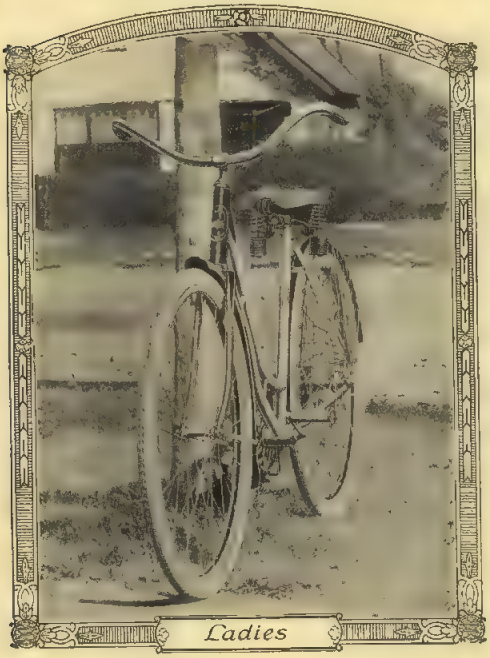
FINISH—Pope Red Body with Black Head. Outlined with Gold Hairline Stripes.

Each

MODEL 705 -PENNSYLVANIA JUNIOR **$25.50**

POPE-MADE BICYCLES

This Page Illustrates our Line of Ladies' and Girls' Bicycles. They are of the Same High Quality as the Misses' Models Shown on Previous Pages. They are Perfectly Balanced, Pleasing in Style Lines and Designed to Afford the Rider Every Convenience.



ARISTOCRAT

Ladies'

FRAME—20" Double Loop.

FORK—Forged Crown.

GUARDS Special Design Drop Side Front and Rear, with a Netted Skirt Guard Lacing Brilliant Red Jewel Reflector on Rear

RIMS Standard Wood Rims Enameled to Match Frame.

SPOKES—Rust-proof Type.

BRAKE—New Departure Coaster Brake.

HANDLE BAR—Ladies' Type.

GRIPS—3½" Ebony Rubber.

TIRES—Federal, Traffik Tread. Guaranteed.

SADDLE—Troxel Ladies, Best Quality.

PEDALS—Motobike Type with 3½" Rubber Treads.

TOOLS—Universal Wrench and Brake Wrench.

FINISH Pennant Blue Body with Fancy Black Head. Outlined in White Stripes.

Each

MODEL 505—ARISTOCRAT.... **$29.75**

GREAT AMERICAN

Girls' Juvenile

A Small Model of the Ladies' Bicycle. This Model Carries the Same High-grade Construction and Similar High-grade Equipment. It is Supplied with Drop-side Guards, Front and Rear, with Netted Skirt Guard Lacing and Red Jewel Reflector. New Departure Coaster Brake, Girls' Design Handle Bar with Ebony Finish Grips. 3½ Inch Rubber Pedals and Strong Roller Chain.

FINISH—Pennant Blue Body with Fancy Black Head. Outlined in White Stripes.

Each

MODEL 805—GREAT AMERICAN..... **$26.00**

LAWN MOWERS

DUNHAM

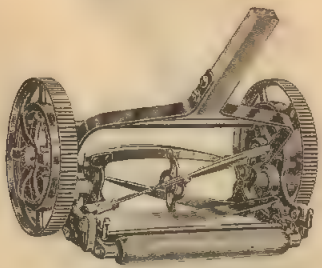
BALL-BEARING

Wheels—9-inch diameter.

Cylinder—5 ½-inch diameter.

Finish—Gold and aluminum.

"Pennsylvania Quality."



NOS. D-14 TO D-18

STAYTITE HANDLE
(Patented)
Used on all Pennsylvania Quality Lawn Mowers

Open drive wheels and side plates. Full "Pennsylvania Quality." Ball-bearings. Driven by a covered and protected internal gear in each wheel. Four crucible tool steel blades, oil hardened and tempered. Spring steel bottom knife, oil hardened and tempered. The cast bar holding the bottom knife is fitted to the side plates, permitting accurate set screw adjustment. When kept properly adjusted this mower is self-sharpening.

No.	Width of cut	Wt. each boxed	Each
D-14	14 in.	48 lbs.	**$14.00**
D-16	16 in.	52 lbs.	**16.00**
D-18	18 in.	56 lbs.	**18.00**

For extra parts see page 308.

RADIO

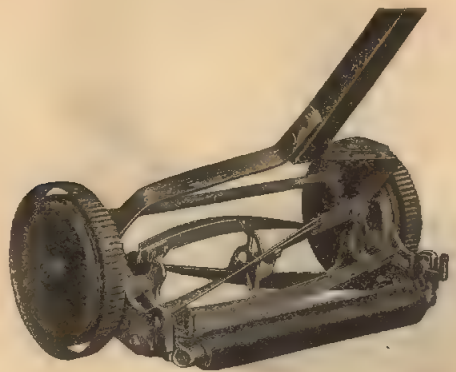
BALL-BEARING

Wheels—8-inch diameter.

Cylinder—5-inch diameter.

Finish — Aluminum and gold.

"Pennsylvania Quality."



NOS. R-12 TO R-18

STAYTITE HANDLE
(Patented)
Used on all Pennsylvania Quality Lawn Mowers

Full "Pennsylvania Quality." Ball-bearings. Driven by a covered internal gear in each wheel. Four crucible tool steel blades, hardened and tempered. Self-sharpening, tempered spring steel bottom knife. Parts accurately machined to insure perfect adjustment and noiseless service.

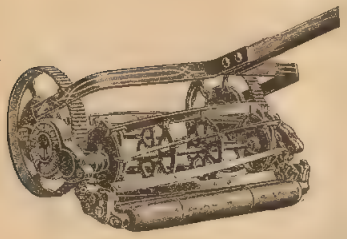
No.	Width of cut	Wt. each, boxed	Each	No.	Width of cut	Wt. each, boxed	Each
R-12	12 in.	41 lbs.	**$12.00**	**R-16**	16 in.	46 lbs.	**$16.00**
R-14	14 in.	44 lbs.	**14.00**	**R-18**	18 in.	48 lbs.	**18.00**

All the above, one in a case, handle separate.

For extra parts see page 309.

PENNSYLVANIA LAWN MOWERS

PENNSYLVANIA GOLF

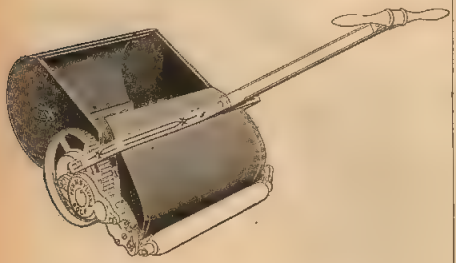


The Pennsylvania Golf is a high grade, high wheel, ball-bearing mower especially adapted for golf links, tennis courts, bowling greens and cricket creases. Can be adjusted to cut ⅜ of an inch, practically shaving the lawn. Runs smoothly and does not tip up. It is equipped with 9½-inch wheels, seven blades, made of crucible tool steel, oil hardened and water tempered. Has double train of gears and extra length of wheel base. Bottom knife has raised edge of tempered crucible tool steel. The iron roller shown in the illustration is regularly supplied with this mower.

	Size	Wt each	Each
Pennsylvania Golf	17 in.	100 lbs.	**$51.00**
	19 in.	103 lbs.	**57.00**

One in a case; handle separate.

GRASS CATCHERS FOR PENNSYLVANIA GOLF MOWERS



This grass catcher is made of sheet metal, with wood ends and is the only style suitable for Pennsylvania Golf Mowers. There are two parts, the box or catcher and the shield or deflector. It is easily attached and detached.

	Size	Wt each	Each
Golf Grass Catcher	17 in.	31 lbs.	**$12.00**
	19 in.	32 lbs.	**12.00**

PENNSYLVANIA PUTTING GREEN

This mower is unexcelled for cutting undulating or wavy greens, also tennis courts, cricket creases and other lawns requiring an exceptionally close and smooth cut. Can also be used as a border trimmer for other lawns. Equipped with six crucible tool steel blades, oil hardened, triple gears insuring power and speed, and cast iron roller seven inches in diameter. The bottom knife is of the improved curved pattern, tempered crucible tool steel, bolted rigidly to the frame, making the adjustment entirely with the cylinder. Height of cut ⅛-inch to 1¼ inches. The journal boxes or cylinder bearings are of bronze bushing, self-aligning and insuring a perfect cutting edge the entire length of the blade. The hardwood roller in front can be easily taken off and the mower supported on caster wheels, if preferred. The illustration shows a side view with the Putting Green Grass Catcher. The catcher is made of sheet metal, with wood ends and is the only style suitable for the Pennsylvania Putting Green Mowers. It consists of two parts, the box or catcher and the shield or deflector.

	Size	Wt. each	Each
Pennsylvania Putting Green	16 in.	85 lbs.	**$48.00**
	18 in.	94 lbs.	**54.00**

One in a case; handle separate.

NOTE—Above price does not include grass catcher.

GRASS CATCHERS FOR PENNSYLVANIA PUTTING GREEN MOWERS

See application in the above cut.

	Size	Wt. each	Each
Putting Green Grass Catchers	16 in.	22 lbs.	**$12.00**
	18 in.	26 lbs.	**12.00**

LAWN MOWERS

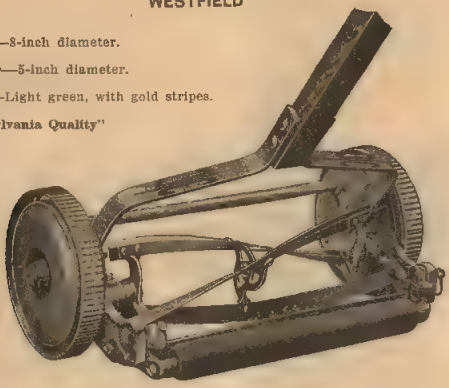
WESTFIELD

Wheels—8-inch diameter.

Cylinder—5-inch diameter.

Finish—Light green, with gold stripes.

"Pennsylvania Quality"



NOS. W-12 TO W-16

STAYTITE HANDLE
(Patented)
Used on all
Pennsylvania Quality
Lawn Mowers

Parallel bearings with split bronze bushings Adjustable to take up wear. Three crucible tool steel blades, hardened and tempered. Driven by a covered internal gear in each wheel. Spring steel bottom knife, hardened and tempered Parts accurately machined to insure noiseless service.

No.	Width of cut	Wt each, boxed	Each
W-12	12 in.	40 lbs.	$12.00
W-14	14 in.	42 lbs.	13.00
W-16	16 in.	45 lbs.	14.00

GREAT AMERICAN

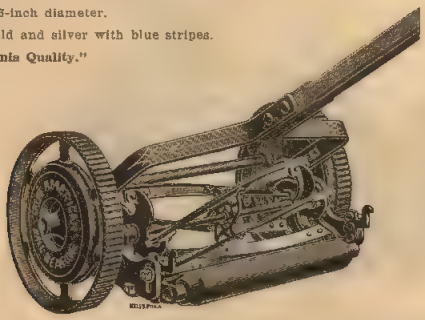
BALL-BEARING

Wheels—10-inch diameter.

Cylinder—6-inch diameter.

Finish—Gold and silver with blue stripes.

"Pennsylvania Quality."



STAYTITE HANDLE
(Patented)
Used on all
Pennsylvania Quality
Lawn Mowers

Patent self-sharpening dead knife, five crucible steel blades, oil tempered, ball-bearings of latest improved pattern. All parts interchangeable

	Width of cut	Weight	Each
Great American	15 in.	63 lbs.	$30.00
	17 in.	66 lbs.	34.00
	19 in.	69 lbs.	38.00
	21 in.	74 lbs.	42.00

All the above one in a case, handle separate.

For extra parts see page 312.

LAWN MOWERS

PENNSYLVANIA JUNIOR

The "Pennsylvania Junior" Lawn Mowers have a train of gears on each side, also dust-proof ball-bearings on each side, adjusted by a single screw in the cone with an eccentric point which fits into the cylinder axle. These mowers have a patented stationary or dead knife of crucible steel, the construction making it positively self-sharpening until entirely worn out. The cylinder has five crucible steel blades hardened and tempered in oil. Ball-bearings of latest improved pattern.

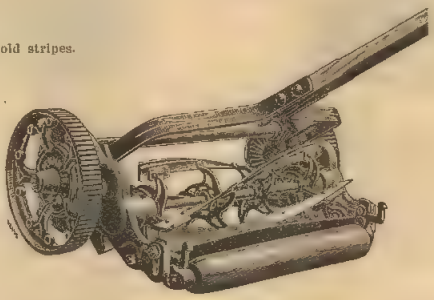
LOW WHEEL

BALL-BEARING

Wheels—8-inch diameter.

Cylinder—5 ½-inch diameter.

Finish—Green and red with gold stripes.



STAYTITE HANDLE
(Patented)
Used on all Pennsylvania Quality Lawn Mowers

	Width of cut	Weight	Each
Pennsylvania Junior, Low Wheel	12 in.	58 lbs	**$24.00**
	14 in.	61 lbs	**28.00**
	16 in	64 lbs	**32.00**
	18 in.	70 lbs	**36.00**

For extra parts see page 311

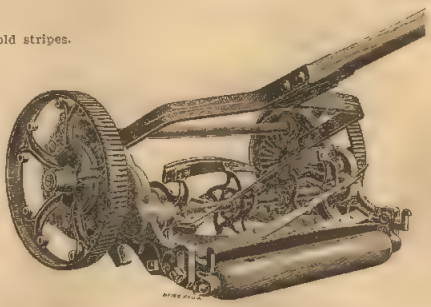
HIGH WHEEL

BALL-BEARING

Wheels—10-inch diameter.

Cylinder—6-inch diameter.

Finish—Green and red with gold stripes.



STAYTITE HANDLE
(Patented)
Used on all Pennsylvania Quality Lawn Mowers

	Width of cut	Weight	Each
Pennsylvania Junior High Wheel	15 in.	69 lbs	**$30.00**
	17 in.	73 lbs	**34.00**
	19 in.	77 lbs	**38.00**
	21 in.	80 lbs	**42.00**

One in a case, handle separate.

For extra parts see page 310.

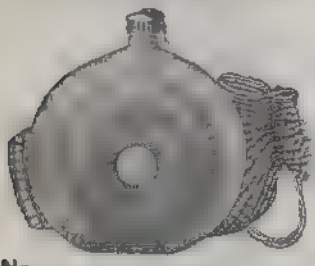
CASSEROLE FRAMES

White metal, highly nickel plated; ebonized wood handles and solid metal feet.

Nos.	Round Frame. H-717-R	H-718-R	H-719-R	Oval Frame. H-718-O	H-719-O
Fits Pyrex, Cas'le No.	167	168	169	193 & 197	194
Size, ins	7	7½	8½	5½x7½	6½x8½
Depth, ins	3	3	3	3	3
Wt each, lbs	1	1¾	1½	1	1¼
Each	$2 25	2 40	2 55	2 25	2 40

Packed loose

ALUMINUM HOT WATER BOTTLES



UNIVERSAL

Two piece aluminum, skillfully joined and acetylene welded so that it is virtually a one piece seamless bottle. So constructed as to withstand atmospheric pressure brought about by cooling of contents. Screw cap attached to bottle with nickel silver chain. Complete with cotton felt bag.

No.	H-883
Capacity, qts	3
Each	6 09

One in carton, wt each 1 lb. *$3 00*

PYREX

TRANSPARENT OVEN WARE

A clear tough glass, scientifically made to withstand the sudden changes of temperature incidental to baking. Easily cleaned and the most sanitary of cooking utensils.

Will not absorb odors or flavors; discolor, glaze or flake and has a smooth hard surface.

Pyrex dishes have a large capacity for absorbing heat, which means economy of fuel. The food may be baked and served in the same dish. Very durable and if handled with reasonable care will last for years.

CASSEROLES

Round, With Cover, Fit Standard Mountings.

Nos.	167	168	169	170
Capacity, qts	1	1½	2	2½
Diam, ins	7¼	8¼	9¼	9¾
Depth, ins	2⅛	2⅞	3½	3½
Wt doz, lbs	27	36	42	48
Per Doz	$37 80	45 00	50 55	78 00

One in carton.

Round With Cover, Fits Standard Mountings.

Shallow.

Nos.	112	113
Capacity, qts	1	1½
Diam, ins	7⅛	8½
Depth, ins	2¼	2¼
Wt doz, lbs	27	36
Per Doz	$37 80	45 00

One in carton.

PYREX

TRANSPARENT WARE GLASS OVEN WARE CASSEROLES

Oval, With Covers, Fit Standard Mountings.

Nos.	193	197	194	190
Capacity, qts	1	1½	2	3
Length, ins	8⅜	8⅜	9½	10½
Width, ins	6¼	6¼	7	8
Depth, ins	2⅞	3⅛	3¾	4½
Wt doz, lbs	29	30	34	40
Per Doz	$37 80	45 00	50 25	75 75

One in carton.

BEEFSTEAK CASSEROLES

Plain, Oval With Cover. Shallow.

Nos.	183	184	185
Capacity, qts	1	1½	2
Size, ins	9x6½	10⅛x7¼	12x8¼
Depth, ins	2⅜	2⅝	2½
Wt per doz, lbs	28	32	36
Per Doz	$37 80	45 00	50 25

One in carton.

Square.

Capacity 1½ qts; size 8¼ inches; depth 3 inches.

	Per Doz
No. 800—With cover	$57 00
No. 8008—Without cover	31 50

One in carton; wt per doz 42 lbs.

BAKING DISHES

Oval, With Cover.

	Per Doz
No. 110 Size 10x7⅝x2⅞ ins	$50 25

One in carton; wt per doz 32 lbs.

PUDDING DISHES

Round, Without Cover.

Nos.	463	464	465	466	467
Capacity, qts	½	1	1½	2	2½
Diam, ins	5⅛	7⅛	8⅛	9⅛	9⅞
Depth, ins	2¼	2½	2¾	3	3¼
Wt per doz, lbs	14	15½	19	24	28
Per Doz	$15 30	21 30	26 55	30 60	35 25

One in carton.

PUDDING DISHES

Round, Shallow.

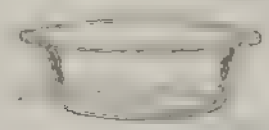
No.	155
Capacity, qts	1½
Diam, ins	8½
Depth, ins	2¼
Wt per doz, lbs	12
Per Doz	$25 20

One in carton.

PYREX

TRANSPARENT OVEN WARE

PUDDING DISHES



Round, Deep, With Handles.

Per Doz

No. 450—Diam 8½ ins; depth 2⅞ ins; capacity [illegible] ...$31 50

One in carton; wt per doz 18 lbs.

BAKING DISHES

Round, Shallow, Without Cover.

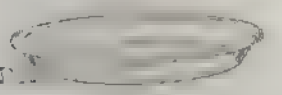
Per Doz

No. 135—Cap. 1 qt; diam 8 ins; depth 1¾ ins..... $25 20

One in carton; wt per doz 18 lbs.

PIE PLATES

Round, Narrow Rim.



Nos.	202	203
Diam, ins	8⅝	9¾
Depth, ins	1⅜	1¼
Wt per doz, lbs	16½	19
Per Doz	$18 75	22 80

Half doz in carton.

PIE PLATES

Round, With Wide Flange.

Nos.	206	207	208	209	210	211
Diam, ins	[illegible]	[illegible]	8½	9½	10½	11¼
Depth, ins	[illegible]	1⅜	1⅜	1½	1½	1½
Wt per doz, lbs	[illegible]	14	21	17	24	30
Per Doz	$12 30	15 00	16 75	22 80	25 20	27 75

One set in an attractive cardboard box; wt per set 18 lbs.

PIE PLATES

Six Sided.

Per Doz

No. 200 (Old No. 1203)—Diam 9¾ ins; depth 1¼ ins...$25 20

Half doz in carton; wt per doz 18 lbs.

CAKE DISHES

Round, Shallow.

Per Doz

No. 221 Diam 9⅛ ins; capacity [illegible] ...$18 75

Half doz in carton; wt per doz 16 lbs.

BISCUIT PANS

Oblong.

Nos.	234	235
Length, ins	[illegible]⅛	11⅛
Width, ins	7⅝	8⅜
Depth, ins	1¼	1¼
Wt per doz, lbs	20	28
Per Doz	$21 30	31 50

One in carton

CAKE DISHES

Round, Shallow.

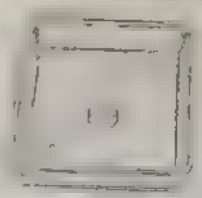
Per Doz

No. 220—Diam 9⅛ ins; depth 1 in..... $18 75

One in carton; wt per doz 14 lbs.

PYREX

TRANSPARENT OVEN WARE



CAKE DISHES

Square.

Nos.	809	810
Size, ins	9⅛x1½	10⅛x1½
Wt per doz, lbs	18	20
Per Doz	$25 20	37 80

One in carton.

BREAD PANS

Oblong.

Nos.	212	214
Length, ins	9½	10⅞
Width, ins	5⅛	5⅝
Depth, ins	2⅛	3⅛
Wt doz, lbs	20	[illegible]
Per Doz	$22 80	37 80

One in carton.

UTILITY DISHES

Oblong.

Nos.	231	232
Length, ins	10½	12⅛
Width, ins	6½	8⅛
Depth, ins	2	2
Wt doz, lbs	22	28
Per Doz	$25 20	44 25

One in carton.

FISH PLATTERS

Oval.

Nos.	313	315
Length, ins	13¾	15¾
Width, ins	8¾	10¼
Depth, ins	1¼	1¼
Wt per doz, lbs	24	26
Per Doz	$37 80	50 25

One in carton.

VEGETABLE DISHES

Round, Two Compartments.

Per Doz

No. 130 Diam 9¾x1[illegible] ins. .. $37 80

One in carton, wt per doz 18 lbs.

BEAN POTS

Round.

Nos.	504	506
Capacity, qts	1	2
Diam, ins	6¼	7¼
Depth, ins	4⅛	5¾
Wt per doz, lbs	8	15
Per Doz	$44 25	78 00

One in carton.

CUSTARD CUPS

Nos.	423	422
Capacity, ozs	4	6
Size, ins	2½x2	4x2¼
Wt per doz, lbs	3	5
Per Doz	$4 95	6 45

In set in carton

RAMEKINS

Per Doz

No. 412—Capacity 4 ozs; diam [illegible] depth 1½ ins...$4 95

[illegible] *in carton; wt per doz 4 lbs*

MEASURING CUPS

Per Doz

No. 8—Capacity 8 ozs; diam 3⅛ ins; depth 3½ ins $12 75

One in carton; wt per doz 16 lbs

PYREX

TRANSPARENT WARE

PERCOLATOR TOPS

Fits Universal and Royal Rochester style percolators.

	Per Doz
No. 953—Diam bottom outside 2⅛ ins; height 1⅝ ins	$3 81

Two doz in carton; wt per doz 2½ lbs.

TEA POTS

It is not only the usefulness of Pyrex tea pots that make them so desirable. Their transparency and their beautifully designed shapes add charm to any table. Will stand the hottest water without breaking. Spouts are made to pour freely and clean easily, and the handles are shaped to fit the hand.

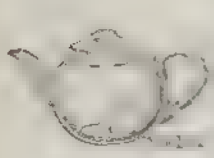
INDIVIDUAL

Especially designed for individual service in the home, for hospitals, hotels, lunch rooms and tea rooms. Cool handles; spouts pour freely without dripping, easily cleaned.

	Each
No. 11—Capacity 1 cup	$3 30

One in carton; wt each 1 lb

ROUND SHAPE



Nos.	12	14	16
Capacity, cups	2	4	6
Wt each, lbs	1	2	2
Each	$5 25	6 30	7 35

One in carton.

SQUAT SHAPE

Nos.	22	24	26
Capacity, cups	2	4	6
Wt each, lbs	1½	2	2½
Each	$5 25	6 30	7 35

One in carton.

TALL SHAPE

Nos.	32	34	36
Capacity, cups	2	4	6
Wt each, lbs	1¾	2	2
Each	$5 25	6 30	7 35

One in carton.

TEA POT ASSORTMENTS

Assortment consists of 12 Pyrex tea pots assorted shapes and sizes as follows:

	Retail Value	
1-No. 12—Round shape, 2 cup size	$2 50	$2 50
2-No. 14—Round shape, 4 cup size	3 00	6 00
1-No. 16—Round shape, 6 cup size	2 50	3 50
1-No. 22—Squat shape, 2 cup size	2 50	2 50
2-No. 24—Squat shape, 4 cup size	3 00	6 00
1-No. 26—Squat shape, 6 cup size	3 50	3 50
1-No. 32—Tall shape, 2 cup size	2 50	2 00
2-No. 34—Tall shape, 4 cup size	3 00	6 50
1-No. 36—Tall shape, 6 cup size	3 50	3 50
Total Retail value		$36 00
Cost to Dealers, only		21 00
Dealers' Profit		$15 00

	Per Ass't
No. TP—Complete as described above	$75 75

One in carton; one ass't in case; wt each 35 lbs.

PYREX

TRANSPARENT OVEN WARE COOKING UTENSILS GIFT SETS

Set consists of 5 pieces as follows:

1—No. 284, 1½ qt oval beefsteak casserole, with Victor cover.
1—No. 212, 9⅛x5⅛x2⅛ in. oblong bread pan.
1—No. 208, 8½ in. wide rim pie plate.
1—No. 231, 9⅝x7⅞x1¼ in. oblong biscuit pan.
1—No. 145, 7¾x5¾x[illegible] in. oblong baking dish.

	Per Set
No. 5—Wt per set 14 lbs	$10 50

One set in cardboard box; one box in carton; 12 cartons in case.

OVEN WARE ASSORTMENTS

Assortment consists of 38 pieces as follow
2—No. 209, round, wide rim pie plate 9⅛x1½ inch.
6—No. 212, oblong bread pan 9⅛x5⅛x2⅛ inches.
6—No. 168, round casserole, 8¾x2⅛ inches; capacity 1½ quart.
3—No. 167, round casserole, 7¼x2⅝ inches; capacity 1 quart.
3—No. 194, oval casserole, 9⅛x7x3¾ inches; capacity 2 quart.
3—No. 232, oblong utility dishes 12⅝x8¼x2 inches.
3—No. 231, oblong utility dishes 10⅛x6½x2 inches.
1—No. 36, tall style, 6 cup tea pot.
1—No. 706, round trays 7x3¾ inches.

	Per Ass't
No. 4545—Assortment complete as above described	$100 05

Each piece in carton; ass't complete in case; wt per ass't about 100 lbs.

CASSEROLES

Round, Engraved Cover and Plain Bottom. Fits Standard Mountings.

ENGRAVED

Nos.	167E6	168E6	101E6
Capacity, qts	1	1½	2
Diam, ins	6¼	7½	8⅜
Depth, ins	2⅝	2⅞	3
Wt per doz, lbs	27	36	42
Per Doz	$50 25	57 00	63 00

One in carton

ENGRAVED

Oval, Engraved Cover and Plain Bottom. Fits Standard Mountings.

Nos.	193E6	197E6	194E6
Capacity, qts	1	1½	2
Length, ins	7½	[illegible]	[illegible]
Width, ins	5	5½	[illegible]
Depth, ins	2	[illegible]	[illegible]
Wt per doz, lbs	[illegible]50	36	1[illegible]
Per Doz	$50 25	57 00	63 00

One in carton

Round, Fully Engraved, With Cover. Fits Standard Mountings.

ENGRAVED

Nos.	167E2	165E2
Capacity, qts	1	[illegible]
Size, ins	6[illegible]	[illegible]
Depth, ins	2[illegible]	[illegible]
Wt per doz, lbs	27	[illegible]
Per Doz	$57 00	66 75

One in carton.

CASSEROLES

MANNING BOWMAN

Round frame; heavy pierced sheet copper, highly nickel plated; clear glass removable dish with plain glass cover; ebonized handles. Each

No. H-1765—Capacity 3½ pts; diam 8 ins; depth 3 ins $5 25

One in carton; wt each 3½ lbs.

MANNING BOWMAN
Round Frame.

Sheet copper, nickel plated; clear glass removable dish with cut glass cover; nickel plated handles.

Each

No. H-3021 Capacity 3½ pts; diam 8 ins; depth 3 ins 13 80 $6 25

One in carton; wt each 3½ lbs.

MANNING BOWMAN

Round frame, heavy pierced sheet copper, highly nickel plated; clear glass removable dish with cut glass cover; metal handles.

Each

No. H-1876—Capacity 3½ pts; diam 8 ins; depth 3 ins 14 85 $6 75

One in carton, wt each 3½ lbs.

MANNING BOWMAN

Brass, nickel plated finish; Pyrex glass lining, cut glass cover.

Each

No. H-3005—Round, depth 2½ ins; diam dins; capacity 2 pts; wt each 1¾ lbs 15 00 $6 75

No. H-3007—Round, depth 3 ins; diam 7 ins; capacity 3 pts; wt each 2 lbs.. 16 50 7 50

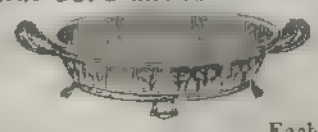
Wrapped singly.

MANNING BOWMAN
Round frame; sheet brass nickel plated; handles are of nickel plated brass; removable Pyrex glass inset. Each

No. H-1946—Capacity 3 pts; diameter 8 ins; depth 3 ins 16 50 $7 50

One in carton; wt each 3½ lbs.

PIE DISHES
MANNING BOWMAN CO.'S MAKE



Round Frame; brass, nickel plated; perforated body and solid bottom. Complete with Pyrex lining.

Each

No. H-1768—Outside diam 9⅜ ins; depth 2 ins 7 20 $3 25

One in carton; wt each 2½ lbs.

PIE CASSEROLE FRAMES
MANNING BOWMAN CO.'S MAKE

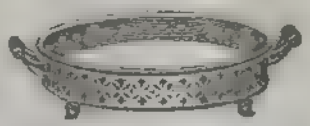
Brass, nickel plated; solid metal feet and handles; perforated body. Fits Pyrex Pie plate Nos. 201 and 209.

Each

No. H-3023F Diam 9⅜ ins; depth 1⅞ ins $3 60

20 in standard package; wt each 1 lb.

COMPETITIVE MAKE



Round Frame, white metal, nickel plated, ebonized wood handle; solid metal feet.

Nos.	H-742-209	H-742-210
Fits Pyrex Pie Plate, No.	209	203
Diam, ins	9	9¾
Depth, ins	1⅛	1½
Wt each, lbs	⅓	⅝
Each	$2 07	2 07

Packed loose; wrapped in heavy paper.

CASSEROLE FRAMES
MANNING BOWMAN CO.'S MAKE

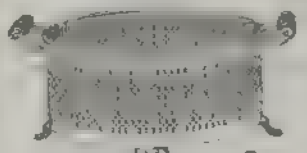
Brass, nickel plated; solid base and handles; perforated body; Fits Pyrex Dish No. 168.

Each

No. H-3024F Diam 7⅜ ins; depth 3¼ ins $5 10

20 in stand pkg; wt each 1¼ lbs.

MANNING BOWMAN CO.'S MAKE



Brass, highly nickel plated; ebonized wood handles and solid metal feet.

Round Frame. Each

No. H-MB7-R—Fits Pyrex casserole Nos. 167, 167EG and 167E2; diam 6½ ins; depth 3 ins; wt each ¾ lb $3 75

No. H-MB8R-8—Fits Pyrex casserole Nos. 168, 168EG and 168E2; diam 7⅝ ins; depth 3⅛ ins; wt each ¾ lb 4 20

Oval Frame. Each

No. H-MB80-8—Fits Pyrex casserole No. 193, 193EG, 193E2, 197 and 197EG; diam 7⅝x5⅛ ins; depth 3⅜ ins; wt each ¾ lb $4 50

No. H-MB90-9—Fits Pyrex casserole No. 194, 194EG and 194E2; diam 8⅛x6⅜ ins; depth 4 ins; wt each 1 lb 5 55

Packed loose.

MANNING BOWMAN CO.'S MAKE

Brass, nickel plated; perforated body; large fancy handles, metal feet. Fits Pyrex plate No. 168.

Each

No. H-1875F—Diam 7⅛ ins; depth 3¼ ins $6 60

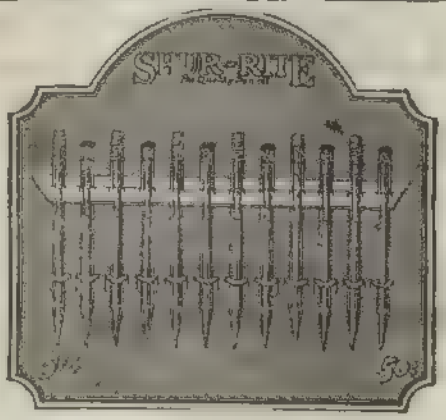
20 in stand pkg; wt each 1 lb.

PENCILS COST LESS — SHUR-RITE The Quality Pencil — PENCILS LAST LONGER

SHUR-RITE is a well known make. Choose any pencil you like from the handsome **SHUR-RITE** line and you are sure it's right. Only 4 parts—no chance to get out of order. Uses fine lead, always ready for use. The long pencils have attached clips. The short pencils have ring for attaching cord or chain.

All pencils which retail for 1.00 and over have eraser under cap magazine and extra leads.

SILNI METAL has a silver finish and is far more durable and satisfactory than silver or nickel plate.



45S101

45S116

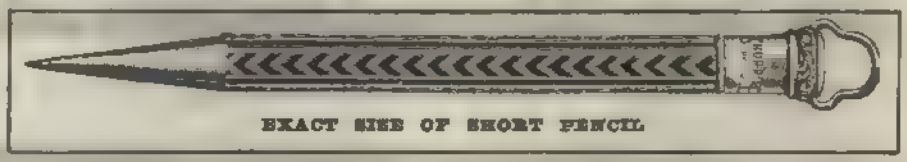
No. 45S101 Made of Silni metal. 1 dozen on lace display card. All have eraser tops and magazine with extra leads, attached clip. Per Card..... 3.90

No. 45S116. Silni Metal. Eraser and extra leads under cap attached clip. 3 beautiful chased patterns. Assorted 6 on a card. Per Card..... 3.56

No. 45S117. Same as No. 45S116, Ladies short size with ring. Per card of 6..... 3.56

Gold Filled and Sterling Silver Pencils

Each pencil in individual box. Will furnish with each dozen a purple velvet pad, with each 2 dozen, a glass top display case, free.



EXACT SIZE OF SHORT PENCIL

No	Long with Clip	Per doz.	No	Short with Ring	Per doz.
45S209.	Gold Filled	16.92	45S210.	Gold Filled	16.92
45S309.	Sterling	16.92	45S310.	Sterling	16.92

No	Long with Clip	Per doz.	No	Short with Ring	Per doz.
45S202.	Gold Filled	16.92	45S204.	Gold Filled	16.92
45S302.	Sterling	16.92	45S304.	Sterling	16.92

No.	Long with Clip	Per doz.	No.	Short with Ring	Per doz.
45S211.	Gold Filled	16.92	45S212.	Gold Filled	16.92
45S311.	Sterling	16.92	45S312.	Sterling	16.92

SWAN FOUNTAIN PENS

THE "ORIGINAL" LADDER FEED PEN

Sectional view of the "Swan" Safety Lever Self-Filler Fountain Pen, showing Gold Pen, encased in air-tight receiving chamber, which prevents it from leaking.

Made in two lengths.
Short. . . . . 4½ in. Closed, 5¼ in. Open
Long. . . . . 5¾ in. Closed, 6½ in. Open
Four sizes pens, No. 2, No. 3, No. 4, No. 5.

ABSOLUTELY NON-LEAKABLE

Fitted with Mabie Todd & Co.'s famous 14-k Iridium Pointed Gold Pens. Your choice of the following eight points at prices quoted below:

Coarse	[illegible]
Stub	[illegible]
Stub Oblique	Fine
Turned-Up	Fine Stub

For the three following points an additional charge of 33 cents will be made:
Manifold Posting Stenograph

Swan Lever Self-Filling Safety Pen

Fitted with screw cap, making pen absolutely safe to carry in any position. Fills with a flip of the finger.

No. 66872. Short size with ring. Each..... 1.80 | Per dozen..... 19.80
No. 66872M. Short size with ring, mottled. Each 1.80 | Per dozen..... 19.80

Illustration shows short size with clip.

No. 66852. Each.. 1.80 | Per dozen 19.80
No. 66853. Each.. 2.45 | Per dozen 27.00
No. 66854. Each.. 2.80 | Per dozen 30.60
No. 66855. Each.. [illegible] | Per dozen .....

Illustration shows long size with clip.

No. 66842. Each.. 1.80 | Per dozen 19.80
No. 66843. Each.. 2.45 | Per dozen 27.00
No. 66844. Each.. [illegible] | Per dozen .....
No. 66845. Each.. [illegible] | Per dozen .....

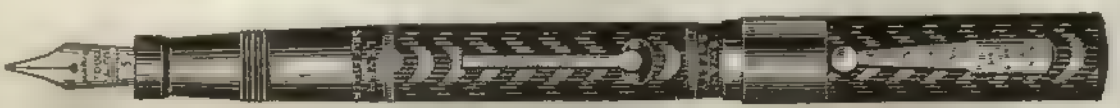


Illustration shows long size with Plain Gold Filled Band and Clip. State whether plain or fancy chased bands are desired.

With Gold Filled Band and Clip.

No. 668142. Each 2.60 | Per dozen 28.80
No. 668143. Each 3.30 | Per dozen 36.00
No. 668144. Each. 3.60 | Per dozen 39.60
No. 668145. Each. 4.20 | Per dozen 46.80

Illustration shows short size Chatelaine with gold filled cap.

No. 668352. Each.. 2.30 | Per dozen..... 25.20
No. 668353. Each.. 2.95 | Per dozen..... 32.40
No. 668354. Each.. 3.30 | Per dozen .. .... [illegible]
No. 668355. Each.. 3.90 | Per dozen..... [illegible]

Long

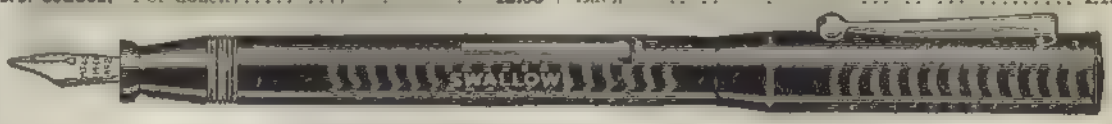
No. 668342. Each.. 2.30 | Per dozen..... 25.20
No. 668343. Each.. 2.95 | Per dozen..... 32.40
No. 668344. Each.. 3.30 | Per dozen..... [illegible]
No. 668345. Each.. 3.90 | Per dozen..... 42.20

"Swallow" and Swan Fountain Pens

"Swallow" Ft. Pens are made by Mabie, Todd & Co., thus assuring full satisfaction as on their complete line. For your lower priced line buy the "Swallow" and give satisfaction

Short Size with Clip. Retail Price, Each 1.75

No. 65S601. Per dozen..... 12.60 | Each 1.15



Full Size with Clip. Retail Price. Each . .. 1.75

No. 65S600. Per dozen..... 12.60 | Each..... ..... 1.15

Short Size with Ring. Retail Price. Each..... 1.75

No. 65S603. Per dozen.. ..... 12.60 Each..... ..... 1.15

Midget Size with Ring. Retail Price. Each . 1.75

No. 65S604. Per dozen ..... 12.60 | Each 1.15

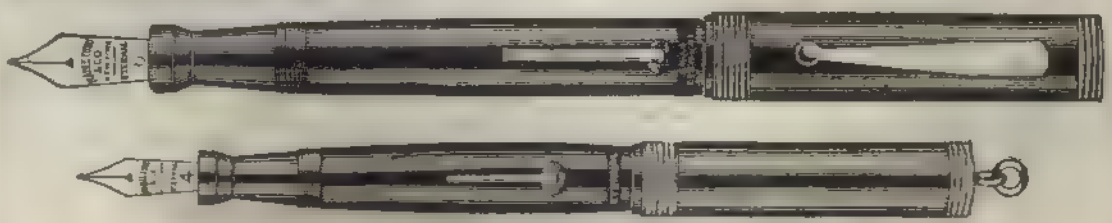
"Swan" Fountain Pen. Entirely new. Plain, beautifully finished black rubber barrel with an assortment of 18K green gold bands and monogram plate. Fitted with the famous "Swan" 14K iridium tipped gold pen. Good looking.

No. 66S501. Each 3.30

"Swan" Fountain Pen. Ladies size. Also contains some with enamel bands. Otherwise same as above.

No. 66S511. Each 3.30

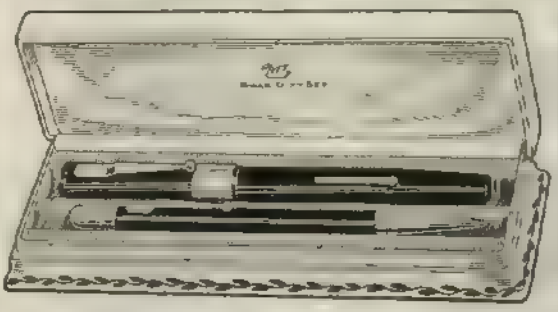
Eternal Fountain Pens—Points Guaranteed Forever



"Swan" Eternal Fountain Pens. Made in red, black and mottled rubber of the best grade with two 14K gold filled bands on cap. Fitted with a hard manifold point. Specify color and size wanted

No. 66S444R.	Red Long with clip. Each	3.30	**No. 66S454M.**	Mottled, Short with ring Each	3.30
No. 66S444B.	Black Long with clip Each	3.30	**No. 66S446R.**	Red, Long with clip Each	4.60
No. 66S444M.	Mottled Long with clip Each..	3.30	**No. 66S446B.**	Black Long with clip Each .	4.60
No. 66S454R.	Red, Short with ring. Each ..	3.30	**No. 66S446M.**	Mottled Long with clip Each	4.60
No. 66S454B.	Black short with ring Each..	3.30			

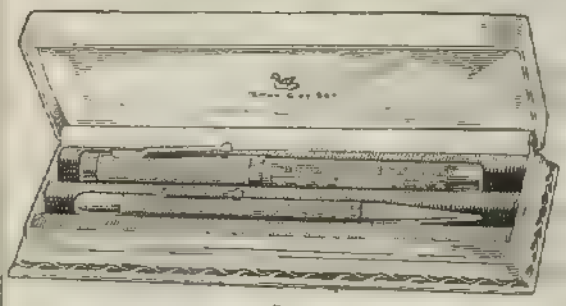
Swan Gift Sets and Mounted Fountain Pens

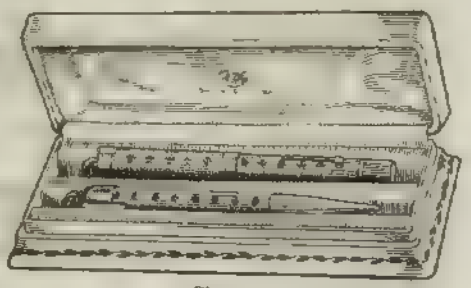


Pen and Pencil Set. Plain and neat. Fountain pen of plain, highly polished black rubber with 14K gold filled lever and clip. Pencil matches fountain pen. Put up in a rich looking plush and silk lined case. Can be had either long or short

No. 66S301. Long. Each 4.00
No. 66S311. Short. Each 3.67

Pen and Pencil Set. Fountain pen of plain black rubber, beautifully finished, with 18K green gold fancy bands and monogram plate. Fitted with the famous "Swan" 14K iridium tipped gold pen. Propel and repel pencil to match. Extra leads and eraser under cap. Put up in a very rich looking plush and silk lined case. A beautiful set

No. 66S302. Long Each 5.35
No. 66S312. Short. Each 5.35

Long



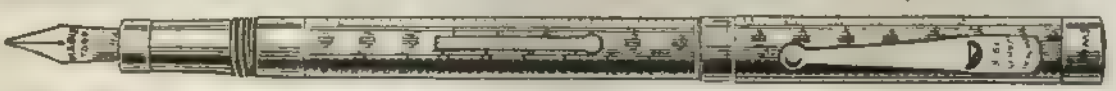
Short

Pen and Pencil Sets. Beautiful all mounted fountain pen with pencil to match.

No.	Sterling	Each
66S325.	Ripple, long	7.30
66S326.	Wave, long	7.30
66S327.	Star, long	7.30
66S324.	Engraved, long . .	11.85
66S328.	Ripple, short . . .	6.60
66S329.	Wave, short	6.60
66S330.	Star short	6.60
66S331.	Engraved, short	10.35

No.	14K Gold Filled	Each
66S335.	Ripple, long .	[illegible]
66S336.	Wave, long . .	[illegible]
66S337.	Star, long	[illegible]
66S338.	Ripple, short . . .	7.60
66S339.	Wave, short . . .	7.60
66S340.	Star, short .	[illegible]

No.	18K. Green Gold Filled		
No. 66SO345.	Long.	Each..	9.30
No. 66S346.	Long.	Each..	9.30
No. 66S347.	Long.	Each	9.30
No. 66S348.	Short.	Each..	9.30
No. 66S349.	Short.	Each.	9.30
No. 66S350.	Short.	Each..	9.30

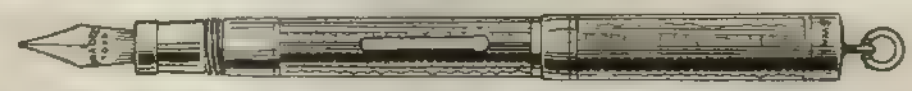


Full Mounted Fountain Pens, in an assortment of designs and finishes.

	Sterling		
No. 66S206.	Ripple.	Each..	5.30
No. 66S207.	Wave.	Each....	5.30
No. 66S208.	Star.	Each....	5.30
No. 66S205.	Engraved.	Each	8.15

	14K. Gold Filled		
No. 66S216.	Ripple.	Each..	5.30
No. 66S217.	Wave.	Each....	5.30
No. 66S218.	Star	Each....	5.30

	18K Green Gold Filled		
No. 66S226.	Ripple.	Each..	[illegible]
No. 66S227.	Wave.	Each ...	[illegible]
No. 66S228.	Star.	Each....	7.40



Same as above, short with ring.

	Sterling		
No. 66S236.	Ripple.	Each..	4.60
No. 66S237.	Wave	Each. .	4.60
No. 66S238.	Star	Each..	4.60
No. 66S235.	Engraved.	Each	6.65

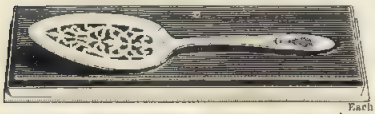
	14K Gold Filled		
No. 66S246.	Ripple.	Each..	4.60
No. 66S247.	Wave.	Each...	4.60
No. 66S248.	Star.	Each.....	4.60

	18K Green Gold Filled		
No. 66S257.	Ripple.	Each..	6.65
No. 66S258.	Wave.	Each...	6.65
No. 66S259.	Star.	Each. ..	6.65

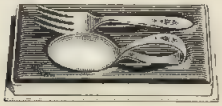
COMMUNITY PLATE

Guaranteed for 50 Years

BIRD OF PARADISE DESIGN *Bright Butler Finish*

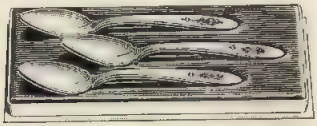


No. **12484**—Pierced Pastry or Pie Server — Each **$4.00**



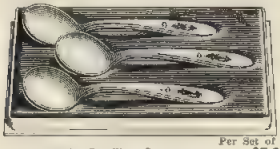
Not — Per Set
12738—Baby Set **$2.00**

Each
12619—Baby Spoon 1.00
12628 Baby Fork 1.00
12624—Baby Spoon (Str. Hdl.) 1.00

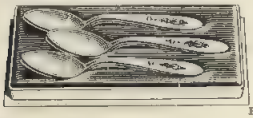


Per Set of 6
No. **12641** Orange Spoons **$5.50**

Each
No. **12623**—Jelly Server **$1.50**



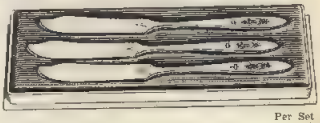
Per Set of 6
No. **12622**—Bouillon Spoons **$7.00**



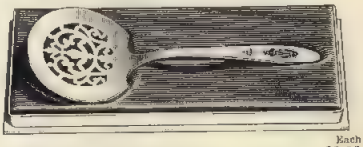
Per Set of 6
No. **12625**—Coffee Spoons **$3.75**

Each
No. **12646**—Pickle or Olive Fork **$1.50**

Correct Service Pieces are all packed in blue velvet lined gift boxes

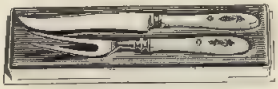


Per Set of 6
No. **12697**—Individual Butter Spreaders **$6.00**



Each
No. **12680**—Pierced Server for Tomatoes, etc. **$3.00**

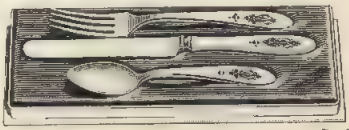
Per Set of 6
No. **12679**—Oyster Forks **$5.00**



STEAK OR GAME CARVERS

Per Set
No. **12728**—Small (2 pc.) (Hollow Handle) $ 6.50
No. **12596**—2 pc. Steak Carver (Modeled Hdl.) 5.50
No. **12725**—3 pc. Carving Set (Hollow Hdl.) 16.00

Each
No. **12708**—Sugar Tongs **$1.50**



Per Set
No. **12735**—Child's Set (3 pc.) H. H. Knife **$4.00**
No. **12737**—Child's Set (3 pc.) Flat Knife 3.00

COMMUNITY PLATE

Guaranteed for 50 Years

ADAM DESIGN—*Bright Finish*

Nos.		Per Doz
10602	-Tea Spoons	$ 7.20
10603	Dessert Spoons	14.00
10605	—Table Spoons	14.40
10604	—Soup Spoons	14.40

Every piece shown here furnished in all COMMUNITY PLATE patterns

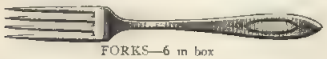
All COMMUNITY PLATE patterns are the same price

KNIVES (Plated Blades)

Nos.		Per Set of 6
10611	Hollow Handle Dinner or Medium	$10.00
10612	—Hollow Handle Dessert	9.75
10615	—Modeled Handle Dinner or Medium	6.75
10616	—Modeled Handle Dessert	6.50

KNIVES (Stainless Blades)

Nos.		Per Set of 6
10664	-Hollow Handle Dinner or Medium	$11.00
10626	—Hollow Handle Dessert	10.75
10594	—Modeled Handle Dinner or Medium	7.50



FORKS—6 in box

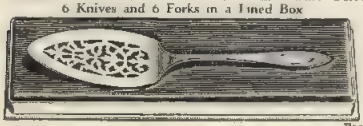
Nos.		Per Set of 6
10607	—Dinner	$7.20
10606	—Dessert	7.00

Six in a Lined Box

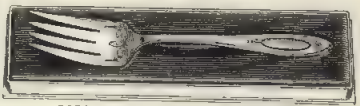
KNIFE AND FORK SETS

Nos.		Per Set
	HOLLOW HANDLE KNIVES WITH PLATED BLADES	
10742	—Dinner Knives and Flat Dinner Forks	$17.20
10743	—Dessert Knives and Flat Dessert Forks	16.75
	MODELED HANDLE KNIVES WITH PLATED BLADES	
10803	—Dinner Knives and Flat Dinner Forks	14.40
10982	Dessert Knives and Flat Dessert Forks	13.50
	HOLLOW HANDLE KNIVES WITH STAINLESS BLADES	
10598	—Dinner Knives & Flat Dinner Forks	18.25
10599	—Dessert Knives & Flat Dessert Forks	17.75
	MODELED HANDLE KNIVES WITH STAINLESS BLADES	
10597	Dinner Knives & Flat Dinner Forks	14.75

6 Knives and 6 Forks in a Lined Box

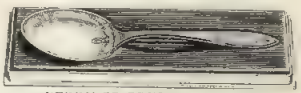


No. 10484—Pierced Pastry Server — Each $4.00



COLD MEAT OR SERVING FORKS

		Each
No. 10667	—Large Cold Meat or Serving Fork	$2.25
No. 10668	—Small Cold Meat Fork	1.75



BERRY OR PRESERVE SPOONS

		Each
No. 10620	—Large Berry or Serving Spoon	$3.25
No. 10647	—Small Berry or Preserve Spoon	2.50

Nos.		Per Set
10729	-Butter and Sugar Set	$2.50

		Each
10650	—Sugar Spoon	1.25
10695	Butter Knife	1.25

Nos.		Each
10715	—Salad Dressing or Small Ladle	$2.00
10717	—Gravy Ladle	2.50
10721	—Med. Soup Ladle	7.50

Per Set of 6

No. 10679—Fruit Cocktail, Oyster or Seafood Forks $5.00

All Above are Furnished in Lined Boxes

COMMUNITY PLATE

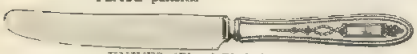
Guaranteed for 50 Years

GROSVENOR DESIGN—*Bright Butler Finish*

Nos.		Per Doz.
11602	Tea Spoons	$ 7.20
11603	Dessert Spoons	14.00
11605	Table Spoons	14.40
11604	Soup Spoons	14.40

Every piece shown here furnished in all COMMUNITY PLATE patterns

All COMMUNITY PLATE patterns are the same price



KNIVES (Plated Blades)

Nos.		Per Set of 6
11611	Hollow Handle Dinner or Medium	$10.00
11612	Hollow Handle Dessert	9.75
11615	Modeled Handle Dinner or Medium	6.75
11616	Modeled Handle Dessert	6.50

KNIVES (Stainless Blades)

Nos.		Per Set of 6
11664	Hollow Handle Dinner or Medium	$11.00
11626	Hollow Handle Dessert	10.75
11594	Modeled Handle Dinner or Medium	7.50

FORKS

Nos.		Per Set of 6
10607	Dinner	$7.20
10606	Dessert	7.00

Six in a Lined Box

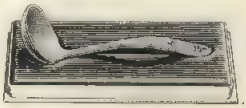
KNIFE AND FORK SETS

Nos.		Per Set
	Hollow Handle Knives with Plated Blades	
11742	Dinner Knives and Flat Dinner Forks	$17.20
11743	Dessert Knives and Flat Dessert Forks	16.75
	Modeled Handle Knives with Plated Blades	
11803	Dinner Knives and Flat Dinner Forks	14.00
11982	Dessert Knives and Flat Dessert Forks	13.50
	Hollow Handle Knives with Stainless Blades	
11598	Dinner Knives & Flat Dinner Forks	18.25
11599	Dessert Knives & Flat Dessert Forks	17.75
	Modeled Handle Knives with Stainless Blades	
11597	Dinner Knives & Flat Dinner Forks	14.75

Six Knives and Six Forks in a Lined Box

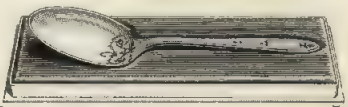
Each

No. 11690—Pierced Server (for Tomatoes, Croquettes) $3.00

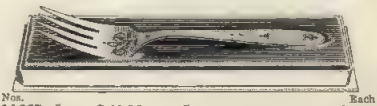


Nos.		Each
11715	Salad Dressing or Small Ladle	$2.00
11717	Gravy Ladle	2.50
11721	Medium Soup Ladle	7.50

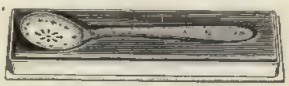
Nos.		Per Set
11729	Butter Knife and Sugar Spoon	$2.50
		Each
11650	Sugar Spoon	1.25
11695	Butter Knife	1.25



Nos.		Each
11620	Large Berry or Serving Spoon	$3.25
11647	Small Berry or Preserve Spoon	2.50



Nos.		Each
11667	Large Cold Meat or Serving Fork	$2.25
11668	Small Cold Meat Fork	1.75



Each

No. 11656—Olive or Salted Nut Spoon $1.75

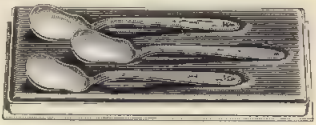
All Above are Furnished in Lined Boxes

COMMUNITY PLATE

Guaranteed for 50 Years

GROSVENOR DESIGN—*Bright Butler Finish*

Per Set of 6
No. **11679**—Fruit Cocktail, Oyster or Seafood Forks **$5.00**



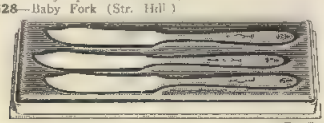
Per Set of 6
No. **11657**—Ice Cream or Sundae Spoons **$5.50**

Correct Service Pieces are all packed in blue velvet lined gift boxes

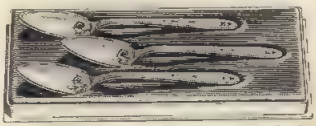
Each
No. **11708** Sugar Tongs **$1.50**

Per Set
Nos.
11738—Baby Set (Bent Spoon and Straight Fork). **$2.00**
Each
11619—Baby Spoon **1.00**
11624—Baby Spoon (Str. Hdl.) **1.00**
11628—Baby Fork (Str. Hdl.) **1.00**

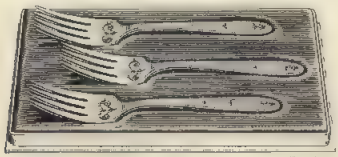
Each
No. **11484** Pierced Pastry Server **$4.00**



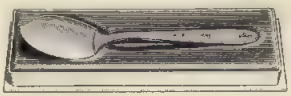
Per Set of 6
No. **11697** Individual Butter Spreaders **$6.00**



Per Set of 6
No. **11641**—Orange or Grape Fruit Spoons **$5.50**

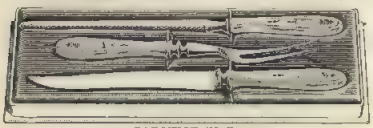


Per Set of 6
No. **11688** Individual Salad or Pastry Forks **$7.00**



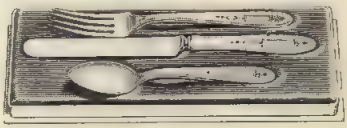
Each
No. **11623**—Jelly Server **$1.50**

Each
No. **11646**—Pickle or Olive Fork **$1.50**



CARVING SETS

Per Set
Nos.
11725 Large (3 piece) Hollow Handle **$16.00**
11728—Small (2 piece) Hollow Handle **6.50**
11596—Small (2 piece) Modeled Handle **5.50**



CHILD'S SETS

Per Set
Nos.
11735—Child's Set Hollow Hdle. **$4.00**
11737—Child's Set Flat Hdle. Knife **3.00**

STEEL TOYS

LARGE DERRICK, "BUDDY L"

Pressed steel, 22 gauge; braced and riveted throughout; black and red baked on enameled finish. Equipped with 3 levers with ratchet locks for hoisting, swinging and dumping bucket. Duplicate operation of full size derrick.

Each

No. M241—Height over all 14¾ ins; size base 11¾x11¾ ins.....$24 ■

Two in carton; wt each 16 lbs.

MECHANICAL TOYS

STRAUSS

CLIMBING MONKEYS

Sheet metal well decorated; fitted with tassel on the turban of monkey. Climbs up and down with grace of a live monkey.

Per Doz

No. 610—Length over all 7 ins; width 2¼ ins; wt per doz, 4 lbs.....$3 60

One-twelfth doz in cardboard box.

THE SCISSOR GRINDER

Sheet metal, substantially constructed and lithographed in attractive colors. So designed that while grindstone revolves it gives forth harmless sparks.

Per Doz

No. 622—Height 4½ ins; length over all 4½ ins..... $6 60

One-twelfth doz in cardboard box; wt per doz 8 lbs

GREEN RACERS

Sheet metal, lithographed; adjusted to run either in circle or straight away.

Per Doz

No. 627—Length 8½ ins; height 3½ ins; width 3¼ ins..... $7 50

One-twelfth doz in cardboard box; wt per doz 7 lbs.

SPEED BOATS

Sheet metal in appropriate coloring. While in motion runs with a bobbing up and down action, giving a true portrayal of a real speed boat on water.

Per Doz

No. 628—Length over all 9 ins..... $7 50

One-twelfth doz in cardboard box; wt per doz 5 lbs.

MECHANICAL TOYS

STRAUSS

PONY CARTS

Sheet metal in appropriate coloring. While in motion the horse oscillates back and forth with clown driver acting simultaneously.

Per Doz

No. 629—Length 8 ins; height 5¾ ins..... $6 30

One-twelfth doz in cardboard box; wt per doz 6 lbs.

THE WALKING PORTER

Sheet metal, substantially constructed and attractively lithographed. The action of this ingenious toy is very life like as it walks and pushes the little cart.

Per Doz

No. 640—Length 7 ins; height 5½ ins..... $12 75

One twelfth doz in cardboard box; wt per doz 6 lbs.

MAIL PLANE

Sheet metal, substantially constructed and lithographed. So designed that propeller operates simultaneously giving a realistic performance of a real mail plain.

Per Doz

No. 643—Length 12½ ins; width 10 ins..... $12 75

One twelfth doz in cardboard box; wt per doz 3 lbs.

TROLLY CARS

Sheet metal, substantially constructed, lithographed in attractive colors. The powerful spring motor when wound up drives the trolleys round and round.

Per Doz

No. 645—Length over all 15 ins..... $12 75

One-sixth doz in cardboard box; wt per doz 6 lbs.

TRICK AUTOS

Sheet metal handsomely decorated; mechanically perfect. Travels forward, backward sideways, in circles in a whirl and most every direction.

Per Doz

No. 653—Length 8 ins; height 3¾ ins; width 3½ ins..... $13 50

One-twelfth doz in cardboard box, wt per doz 8 lbs.

DARE DEVILS

Heavy gauge sheet metal, attractively lithographed. Mexican driver with wild Zebra dashing about with fury of real life.

Per Doz

No. 696—Length 7¼ ins; height 5 ins..... $13 50

One-twelfth doz in cardboard box; wt per doz 6 lbs.

TRAVELCHICKS

Sheet metal, substantially constructed, lithographed in attractive colors and represents a live poultry transportation car. So designed as to run in circle, four chicks perched on top are busily engaged in snapping feed from a pan as the car moves rapidly along.

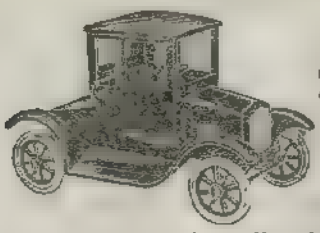
Per Doz

No. 657—Length 9 ins; height 4½ ins..... $14 25

One twelfth doz in cardboard box; wt per doz 10 lbs.

STEEL TOYS

FLIVVER COUPE, "BUDDY L"



Pressed steel, 22 gauge; red enameled wheels, black enameled body.

Each

No. M215—Length over all 11 ins; height 7 ins; width 5½ ins.....**$6 90**

One in cardboard box; wt each 8 lbs.

EXPRESS TRUCK, "BUDDY L"

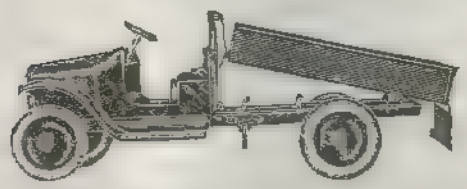
Pressed steel frame; 22 gauge; braced and riveted welded throughout. Similar to a standard truck. Has steering knuckles and column. Wheels and chassis are finished in baked red enamel, other parts black enamel.

Each

No. 200—Diam of wheels 4½ ins; width 8¾ ins; height 9½ ins; length over all 23½ ins.....**$12 75**

One in carton; wt each 9½ lbs.

DUMP TRUCK, "BUDDY L"



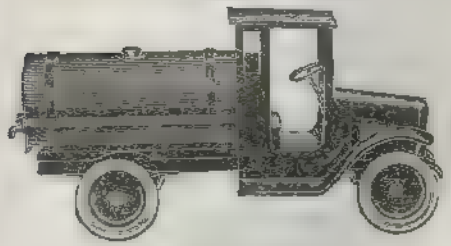
Pressed steel frame, 22 gauge, braced and riveted; welded throughout. Duplicates every operation of a regular truck. Equipped with lever and locking ratchet for hoisting and dumping. Disc wheels. Wheels and chassis are finished in baked red enamel, other parts black enamel.

Each

No. 201—Diam of wheels 4½ ins; width 8¾ ins; height 9¼ ins; length over all 25 ins.....**$14 25**

One in carton; wt each 10 lbs.

OIL TANK TRUCK, "BUDDY L"



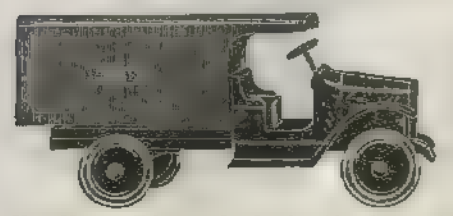
Pressed steel, red enameled frame and disc wheels, 22 gauge; black enameled tank and cab. Tank equipped with brass shut-off cock, opening in top for filling. Capacity 1 gallon.

Each

No. M206—Length over all 25 ins; height 12½ ins; width 9 ins; diam wheels 4¼ ins.....**$16 50**

One in carton; wt each 12 lbs.

MOVING TRUCK, "BUDDY L"



Pressed steel red enameled frame and disc wheels, 22 gauge; black enameled hood, green enameled body; double rear doors equipped with catches. Each

No. M204—Diam of wheels 4½ ins; width 7¾ ins; height 11 ins; length over all 25 ins.....**$15 00**

One in carton; wt each 14 lbs.

STEEL TOYS

FIRE TRUCK, "BUDDY L"

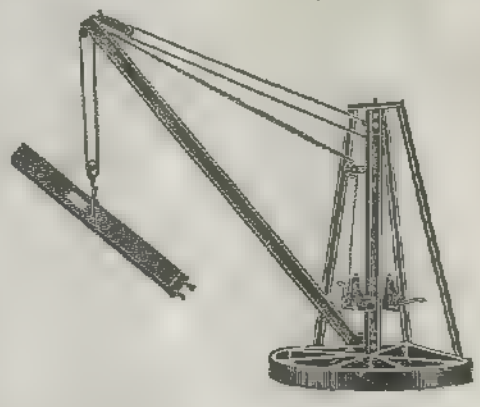
All steel construction, 22 gauge; riveted and braced throughout, red enameled baked on finish. Equipped with 2 extension ladders length each 26 inches; hose reel, movable crane, bell and cord for drawing; disc wheels 4¼ inches in diameter.

Each

No. 205—Length 27 ins; height 12 ins; width 8⅝ ins.....**$23 25**

One in carton; wt each 12 lbs.

DERRICK, "BUDDY L"



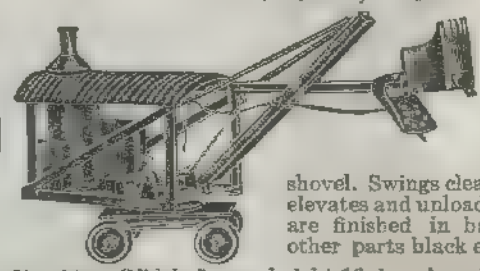
All steel construction, 22 gauge; black and red enameled baked on finish; equipped with 4 levers for hoisting, swinging, dumping and operating bucket and boom. Duplicates operation of full size derrick.

Each

No. 240—Diam base 13 ins; height beams 24 ins.....**$12 00**

One in carton; wt each 12 lbs.

STEAM SHOVEL, "BUDDY L"



Pressed steel, 22 gauge; braced and riveted; welded throughout.

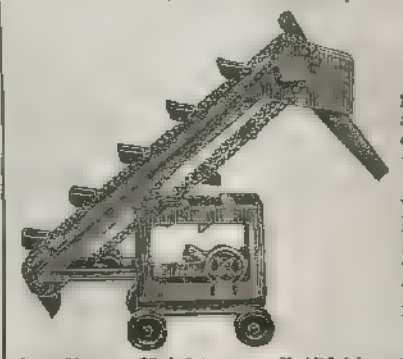
Similar in construction to a regular steam shovel. Swings clear around, scoops, elevates and unloads. Base and top are finished in baked red enamel, other parts black enamel.

Each

No. 220—Width 7 ins; height 13 ins; length over all 25¾ ins.....**$12 00**

One in carton; wt each 11 lbs.

SAND LOADER, "BUDDY L"



Pressed steel, 22 gauge; grey baked on enameled body, black enameled chain, cups and solid wheels.

Equipped with wheel with locking ratchet for hoisting and lowering. Fitted with 12 buckets which convey sand to top of machine and dump into chute.

Each

No. M230—Height over all 17½ ins; length over all 18¼ ins; diam wheels 2 ins.....**$19 50**

One in carton; wt each 12 lbs.

MECHANICAL TOYS

STRAUSS

JACKIE, THE HORNPIPE DANCER

Sheet metal substantially constructed. This minature boat runs along mechanically with the jolly sailor atop doing a typical sailor's hornpipe dance.

Per Doz

No. 651—Length 9½ ins; height 9½ ins **$14 25**

One twelfth doz in cardboard box; wt per doz 10 lbs.

BALKING MULES

Jenny.

Sheet metal handsomely finished. Goes forward and backward; stubbornly balks with forelegs set-out, throws hind legs in air.

Per Doz

No. 655—Length over all 8¾ ins **$14 25**

One twelfth doz in cardboard box; wt per doz 5 lbs.

YELLOW TAXI

Sheet metal, enameled black and yellow. Runs in circle or straight away.

Per Doz

No. 659—Length over all 8 ins **$15 00**

One-twelfth doz in cardboard box; wt per doz 9 lbs.

PRIZE FIGHTERS

Sheet metal, box beautifully lithographed in colors. The boxers battle like real prize fighters; bout lasts over one minute with each winding.

Per Doz

No. 652—Height 6½ ins **$15 75**

One-twelfth doz in cardboard box; wt per doz 10 lbs.

JAZZ BO JIM

Sheet metal, beautifully lithographed, portraying a southern scene of a happy darkey's home Jazz Bo Jim dances in real coon-like fashion on top of log cabin roof.

Per Doz

No. 660—Height over all 10½ ins. **$15 00**

One-twelfth doz in cardboard box K. D; wt per doz 18 lbs.

TEXAS PETE

Sheet metal, substantially constructed, attractively lithographed. With lasso in hand he goes on a wild rampage driving his bucking steed in typical Texan style.

Per Doz

No. 649—Length 6½ ins; 5¾ ins high **$16 50**

One twelfth doz in cardboard box; wt per doz 4½ lbs.

MECHANICAL TOYS

STRAUSS

SANTA CLAUS

Sheet metal, substantially constructed, attractively lithographed in Xmas colors. A jingling of sleigh bells and away goes the prancing reindeers gliding merrily in realistic fashion in a wide circle.

Per Doz

No. 699—Length 12 ins; height 7 ins **$24 00**

One-twelfth doz in cardboard box; wt per doz 8 lbs.

HAM AND SAM

Sheet metal beautifully lithographed. Represents an almost human-like performance of Sam dancing a vertical minstrel jig while his partner plays piano in perfect unison.

Per Doz

No. 695—Length over all 6⅝ ins; height 7½ ins **$25 50**

One-twelfth doz in cardboard box; wt per doz 20 lbs.

BUCKING BRONCO

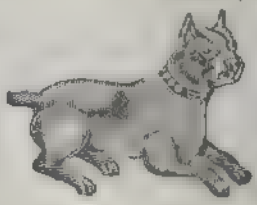
Sheet metal, substantially constructed, attractively lithographed. This is realistic to the point of thrilling. When the bronco throws the cowboy off the saddle but by means of the unusual construction the cowboy is brought back to the saddle only to be thrown off again, continuing until the spring runs down.

Per Doz

No. 685—Length 6½ ins; height 7½ ins **$24 75**

One-twelfth doz in cardboard box; wt per doz 7 lbs.

FLIPPO, THE JUMPING DOG



Sheet metal, substantially constructed. By winding up he will jump high in the air, turn a complete somersault and come down properly on all fours, only to crouch down again in real dog like fashion and duplicate this stunt until spring is run down.

Per Doz

No. 690—Length 5½ ins **$25 50**

One-twelfth doz in cardboard box; wt per doz 8 lbs.

SPARK PLUG AND BARNEY GOOGLE

Sheet metal, substantially constructed, attractively lithographed. This toy pictures Barney riding Spark Plug to victory, going through all the motions of an expert rider as Sparky bobs his head and wags his tail.

Per Doz

No. 605—Length 7½ ins **$27 00**

One twelfth doz in cardboard box; wt per doz 4 lbs.

NIFTY AUTOMATIC DUMPING TRUCK

Sheet metal, substantially constructed, attractively lithographed in green and red. So designed that after a small run the truck stops automatically dumping its load and again goes onward.

Per Doz

No. 606—Length 10 ins **$27 00**

One-twelfth doz in cardboard box; wt per doz 4½ lbs.

MECHANICAL TOYS

STRAUSS WHATSAMATTER TRAIN

Sheet metal, substantially constructed, attractively lithographed. Without warning the train stops and the engineer sticks his long necked head through the top of cab to see whats the matter and then the train goes on. Complete with four pieces of circular track.

Per Doz

No. 607—Length over all 15 ins **$30 00**

One-twelfth doz in cardboard box; wt per doz 6 lbs.

TOONERVILLE TROLLEY

Sheet metal, beautifully lithographed red and yellow. Go's forward, stops, starts, bouncing along—the Old Skipper working hard all the time. No track needed.

Per Doz

No. 615— Length 6¼ ins **$34 50**

One-twelfth doz in cardboard box, wt per doz 10 lbs.

GARAGE WITH ONE CAR

An individual garage with red brick walls, gray doors and roof; contains red and yellow, mechanical touring car with chauffeur.

Per Doz

No. 617—Front 3½ ins; depth 6 ins..... **$21 00**

One-twelfth doz in cardboard box; wt per doz 6 lbs.

GARAGE WITH TWO CARS

Red brick, cars with imitation wood colored doors accommodating two mechanical cars, one red touring car the other a limousine in green and black, both with chauffeurs.

Per Doz

No. 619—Front 7 ins; depth 6¾ ins; height 5¾ ins..... **$31 50**

One-twelfth doz in cardboard box; wt per doz 15 lbs.

YELLOW TAXI

Sheet metal, beautifully lithographed black and yellow. A duplicate of a modern yellow taxi, with special features, trunk space, taximeter, side lights, extra wheel, and adjustable yellow vacant sign. Glass windshield.

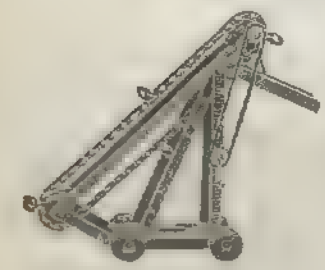
Per Doz

No. 621—Length 11 ins..... **$39 00**

One-twelfth doz in cardboard box; wt per doz 24 lbs.

STEEL TOYS

SAND LOADER, STRUCTO



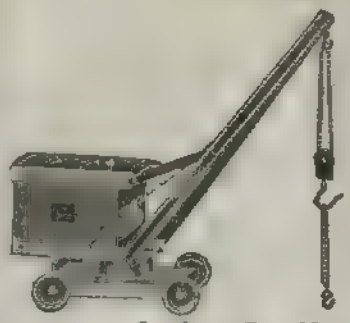
All steel construction, red and blue enameled baked on. Fitted with 4 buckets which convey sand to top of machine and dump into chute. Duplicates operation of a modern sand loading machine. Easily operated by turning handle.

Each

No. 51—Height 12 ins; length 13 ins; width 3⅛ ins..... **$3 75**

One in cardboard box; wt each 2 lbs.

STEEL TOYS



HOISTS, STRUCTO

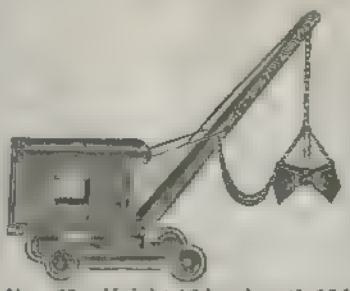
All steel construction, red, green and black enameled finish. The hoisting chains are operated by a drum mechanism with positive lock stop at any point.

Mounted on disc wheels.

Each

No. 114—Height 12 ins; length 13 ins; width 4⅝ ins..... **$4 20**

One in cardboard box; wt each 1½ lbs.



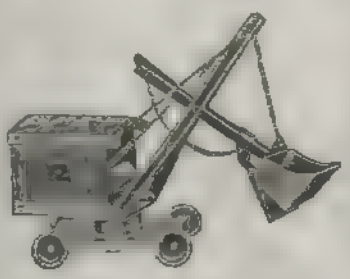
SHOVEL, STRUCTO

All steel construction, red, green and black enameled finish. The hoisting chains are operated by a drum mechanism that automatically close the bucket when it reaches the loading point and dumps the bucket when it reaches the desired height. Mounted on disc wheels.

Each

No. 52—Height 12 ins, length 13 ins, width 4½ ins..... **$4 20**

One in cardboard box; wt each 1½ lbs.



DREDGE, STRUCTO

All steel construction, red, green and black enameled finish. The hoisting chains are operated by a drum mechanism that automatically close the bucket when it reaches the loading point and dumps the bucket when it reaches the desired height. Mounted on disc wheels.

Each

No. 112—Height 10½ ins; length 14½ ins; width 4½ ins..**$4 20**

One in cardboard box; wt each 1½ lbs.

DREDGE, STRUCTO

All steel construction, red, green and black enameled finish. The hoisting chains are operated by a drum mechanism that automatically close the bucket when it reaches the loading point and dumps the bucket when it reaches the desired height. Mounted on disc wheels.

Each

No. 110—Height 12⅜ ins; length 21¼ ins; width 6 ins.. **$7 50**

One in cardboard box; wt each 2½ lbs.

TRACTOR

Equipped with powerful motor, and gears regulating three speeds of travel; mechanical caterpillar, composed of individual links securely fastened together and travels over steel sprockets. Tractor actually runs on caterpillar.

Each

No. 44—Length 11½ ins; 3¼ in. tread; finished in brilliant colored green trimmed in red and black..... **$6 60**

One in cardboard box; wt each 4½ lbs.

"Leaders" From Our 1925 Holiday Lines

Our complete HOLIDAY LINE, the greatest in America, is ready on our sample floors. Let the remarkable values here whet your appetite for a trip to Minneapolis—or for the arrival of our September "Drummer." We can help you increase your 1925 Holiday profits

11 Pc. Aluminum Coffee Set

1F2837—11 pieces: TWO cups, TWO saucers, TWO cake plates, TWO sugars, TWO creams, TWO spoons and tray with handle. Each piece decorated in red and blue. Packed 1 set in a box, 6 doz. sets in pkg.
DOZ SETS $7.65

"Gyro" Aeroplane

The "Gyro" scoop of the year! Nowhere in the entire country can this popular toy be bought at such a sensationally low price. Our supply at this price is limited—get your order in early.

13½ In. Long

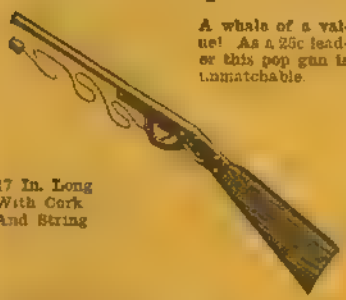
1F3328—13½ in. long, 13 in. wide, with aeroplane propeller. 1/12 doz. in box.
DOZ $8.50

"Schoenhut" Toy Piano—9 Keys

1F3471—[illegible] keys, [illegible] Wood [illegible] box.
DOZ $9.00

Automatic Pop Gun

A whale of a value! As a 25c leader this pop gun is unmatchable.



17 In. Long With Cork And String

1F2639—17 in. long, automatic spring [illegible] metal barrel, [illegible] stock. Extra [illegible] in box. 1 doz. in pkg.
$1.89

Toy "Fords" That Run

Exact reproduction of "Ford" cars, perfect in every detail with strong, long running spring.

6½ in. long, black enameled finish bodies, "Ford" trade-marked, imitation rubber tires and headlights, facsimile "Ford" radiator, spare wheel, each with driver, long running springs, runs straight or in circle. Each in lithographed box, ½ doz. in pkg.

DOZ

2F7101—Touring car
2F7102—Sedan
2F7103—Coupe
$3.65

13 In. Doll With Crying Voice

1F5049—13 in. high, full composition arms, painted hair, strong crying voice, dressed in assorted percale rompers. 1/12 doz. in box.
DOZ $3.57½

"Somstepa" Coon Jigger

Here is the biggest 1 grosser in the country. It makes a wonderful leader item and at our price you won't need to sacrifice profit. Sold by us exclusively.

1F3284—8 in. high, 4x3¾ in. platform, finished in 4 colors, stop and start speed regulator. Dances with perfect mechanical motion. 1 doz. in box
DOZ $2.25

Woven Fiber Doll Cabs

Selected Flat Fiber—Four Colors—Rubber Tires

Here you are face to face with the biggest seller of Butler Brothers' entire Holiday line.

15½ in. high, body 16½ in. long, 8 in. wide, woven flat fiber finely finished and shellacked, adjustable hood, black enameled steel gear and springs, black turned wood handle, rubber tires. A big favorite now offered in FOUR colors. 1 in carton, 9 lbs.

1F306—Blue finish
1F310—Natural finish
1F313—Tan finish
1F314—Gray finish
$1.90

18 In. "Mama" Dolls

One of those unusual values which have made Butler Brothers famous for dolls.

1F5349—4 styles, 18 in. high, unbreakable composition heads and full composition arms, painted features and hair, well proportioned stuffed bodies, loud "mama" voices. Assorted color dress and romper styles of chene, lawn, crinkled crepe and figured novelty material, lace trim, some belted, bonnets to match, black shoe feet. Asstd. ½ doz. in box.
DOZ $8.25

6 DOZ. OR MORE, DOZ 7.75

HOLIDAY TERMS: 2% NOVEMBER 10; 1% NOVEMBER 30; NET DECEMBER 31

A HINT!
These two pages give you a hint of the length and breadth of the lines laid out for your inspection in our 47th Annual Holiday Exposition.

COME!

It will cost you more to buy your Christmas goods without seeing our Holiday Exposition than it can possibly cost you to make a trip here.

Toys That Are Selling NOW!

Here are "high spots" from America's greatest Holiday line which will appear complete in our September "Drummer." Many of the items are "big" the year around — order for immediate delivery. Usual Holiday terms apply.

"Sampson" Grab Bucket Crane —Special

Leading grab bucket toy in the country today. Bigger and better than those sold for nearly twice as much. Exceptionally well made, finished in bright colors.

1F2530— [illegible] house on 5½x3½ in. platform, [illegible] combinations, red and blue, red and green, etc. 1⅝ in. disks enameled disc wheels, 12 in. black enameled derrick, bucket with chains. Operated by crank handle with reversing wood pulleys, by which bucket automatically open and closes. Each in box. 1 doz. in carton. DOZ **$7.75**

"Radio" Steering Sleds

These are real BARGAIN prices for "Radio" Sleds—at such prices it is well worth while to order for your entire winter needs.

Red pointed steel knees and spring steel runners, selected ash tops, varnished natural finished.

1F478— 32 in. long, 12 in. wide, [illegible] in. high. [illegible] doz. in carton, 14 lbs. DOZ **$9.25**

1F477— 36 in. long, 12 in. wide, [illegible] in. high. ⅙ doz. in carton, 17 lbs. DOZ **$12.50**

Hotz "Ace High" Harmonicas

Popular Price Numbers

2F8818— (Mfrs. 22) Hotz "Ace High" assortment 3 styles. "Popular Tone Special" [illegible] Ace High" [illegible] play carton. **$1.93**

Greatest Toy Telephone Values of the Year

These two bargains should be on your counters today! Toy telephones are great summer leaders and these prices offer you profits worth taking!

To Retail at 25c

2F7570— [illegible] metal [illegible] 1 doz. in pkg. DOZ **$2.00**

To Retail at 50c

1F2563— 7 in. high nickel plated [illegible] 1 doz. in pkg. DOZ **$3.62½**

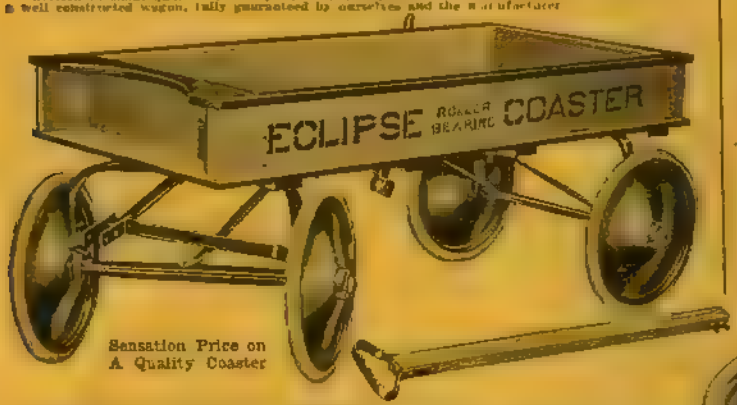
"Panama" Pile Driver

Known everywhere as a big selling toy. Extremely popular with the kiddies. Strongly made, fascinating action.

1F2674— "Panama" pile driver, [illegible] steel frame, chute, pile driver and marble receiver enameled in red, green, yellow and [illegible] DOZ **$8.75**

"Eclipse" Roller Bearing Coaster Wagon

Offered in small quantities at a price usually required for carload orders. The "Eclipse" is a well constructed wagon, fully guaranteed by ourselves and the manufacturer.



Sensation Price on A Quality Coaster

1F90— [illegible] long, 16 in. wide, natural varnished hardwood body, red enameled [illegible] enameled [illegible] steel construction, wood handle with steel "D" hand grip, 10 in. red enameled double disc wheels with roller bearings, [illegible] rubber tires, nickel hub caps, roller brake. **$3.85**

1 in carton, 33 lbs. Each **$4.00** 6 or more, EACH

Special Scooter Value

And this IS a value! Read the specifications. Note the price. This is just what you need for an August leader!

1F7— 40 in. long, 32 in. high, blue enameled steel frame, red wood platform, 9¾ in., red enameled double disc steel wheels, roller bearings, ¾ in. corrugated rubber tires, varnished 11 in. turned wood grip, with stand. 1 in carton, 15 lbs.

EACH **$2.25** | [illegible] EACH **$2.00**

HOLIDAY TERMS: 2% NOVEMBER 10; 1% NOVEMBER 30; NET DECEMBER 31

BUTLER BROTHERS, 1ST AVE. NORTH & 6TH ST., MINNEAPOLIS

GARDEN CULTIVATORS

TRUE TEMPER

SPECIAL

No. G-1

A high grade forged steel cultivator, equipped with adjustable handles, which fit the hand. Solid forged tool steel teeth hoes and plows, all polished and tempered. Rigid attachments, with long bearings. Structural steel arch, which gives rigidity and stiffness. The wheels run true on the axles and have dust protected machined bearings, with adjustment for wear.

The arch is sufficiently high to straddle the rows until plants are well grown, and the tool attachment plates are far enough apart to allow close cultivating and yet not interfere with the growing plants. Double and single wheels, having 14-inch steel oval spoke wheels, with 1¼-inch tires, complete with equipment, including two 6 inch scuffle hoes, four cultivator teeth, two plows, a steel wrench and a special attachment plate for using the Midget Seeder. Finished in red, meadow-green and black, and then varnished. Weight complete, 25 lbs.

No.	Each
G-1	$14.50

SPECIAL

No. G-1-A

The No. G-1-A cultivator is identically the same as the No. G-1, except that the two plows and the Midget Seeder attachment plates are not included in the equipment. Weight complete, 23 lbs.

No.	Each
G-1-A	$13.00

All the above metal parts packed in a wooden box, handles wired in pairs and papered.

SPECIAL

No. G-1-B

This cultivator is exactly the same as the Nos. G-1 and G-1-A, except it is equipped only with two forged steel scuffle hoes. The scuffle hoes are most universally used of all wheel cultivator attachments and are considered the most useful by gardeners. Weight complete, 21 lbs.

No.	Each
G-1-B	$11.50

Metal parts packed in wooden box, handles wired in pairs and papered.

FAIRY

No. G-5

A single wheel cultivator, having 14-inch steel oval spoke wheel, a strong steel frame, with selected ash handles, easily adjusted to the height of the operator. Five cultivator teeth forged from tool steel, and can be adjusted as to width by moving backward or forward, as each tooth is bolted separately and will thus cultivate rows from 6 inches to 24 inches apart.

Finished in red, meadow-green and black, and then varnished. Weight complete, 13 lbs.

No.	Each
G-5	$4.00

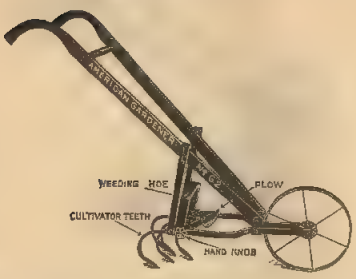
Knocked down, one in a bundle.

Directions for assembling accompany each machine.

GARDEN CULTIVATORS

TRUE TEMPER

AMERICAN GARDENER

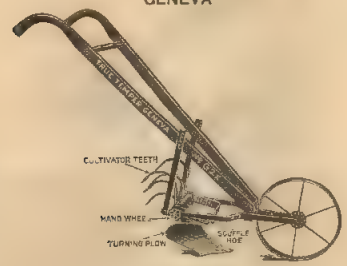


No. G-2

The American Gardener is a single wheel cultivator with permanent attachments, having a 14-inch steel oval spoke wheel with 1¼-inch tire. Equipped with a thin blade scuffle hoe 1 inch wide, a drill or trenching plow and five strong and heavy adjustable cultivator teeth, all of which are permanently attached to revolving center casting. A combination of three tools. With a few turns of the hand-wheel, releases one tool and allows another to be revolved and securely locked into working position. Finished in red, meadow green and black, and then varnished. Weight complete, 20 lbs.

No.	Each
G-2	$11.25

GENEVA



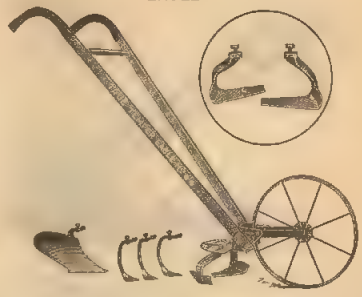
No. G-2-X

The Geneva No. G-2-X is exactly the same as the No. G-2, except in the place of the drill or trenching plow it is equipped with a large moldboard turning plow with landside, which will turn a furrow 4 inches to 6 inches wide and 1 inch to 3 inches deep—deeper, if needed, by going through a second time. Weight complete, 22 lbs.

No.	Each
G-2-X	$12.25

All the above metal parts packed in wooden box, handles wired in pairs and papered.

EAGLE



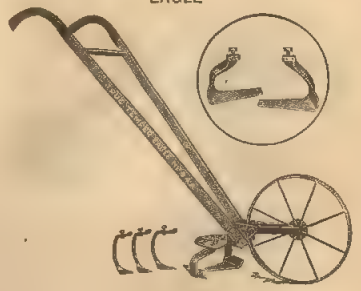
No. G-4

The Eagle cultivator is not only light, but strong and durable. Has a single 16-inch steel oval spoke wheel, with 1¼-inch tires, which is supported on both sides by arms riveted to the one-piece forged steel body.

The plow grip handles are strong and comfortable, and are easily adjusted to height, as the handle attachments are midway between the wheel and the tools. By means of the wheel arm adjusting bolts the body can be raised or lowered and the tools made to work at any depth desired. Equipped with two 6-inch scuffle hoes, three cultivator teeth, a large moldboard plow with landside and a steel wrench. Finished in red, meadow-green and black, and then varnished. Weight complete, 13 lbs.

No.	Each
G-4	$9.00

EAGLE



No. G-4-A

The Eagle No. G-4-A is exactly the same construction as the No. G-4, except it is minus the large moldboard plow. The scuffle hoes are reversible as in the G-4, so as to work toward or from the rows, as desired. Weight complete, 11 lbs.

No.	Each
G-4-A	$7.50

All the above metal parts packed in wooden box, handles wired in pairs and papered.

Directions for assembling accompany each cultivator.

GARDEN CULTIVATORS AND SEEDERS

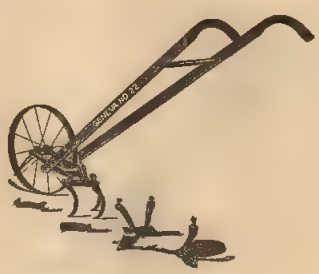
TRUE TEMPER

No. 13

This cultivator fills the needs of any gardener. It is equipped with single and double wheels, four shovels, one pair of hoes, one pair of diamonds. All oil tempered and finely polished. The wire wheels are 16 inches high and are adjustable up and down to gauge the depth attachments are to run. This cultivator can also be set up with one wheel, if desired.

No.	Wt. each	Each
13	40 lbs.	$13.50

One in a crate; handles bundled separately.



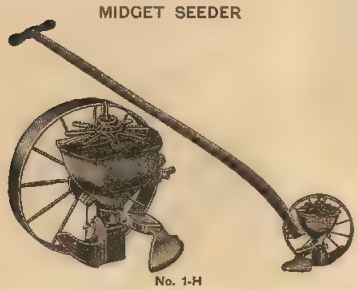
No. 22

This cultivator is one of our best tools for fine work. Can be used between rows, or with the extension bracket furnished the attachments can be set to one side and used on both sides of the row. It is equipped with three steel shovels, one pair of steel hoes, one large diamond or moldboard, with landside of special design.

No.	Wt. each	Each
22	30 lbs.	$10.00

One in a box; handles bundled separately.

MIDGET SEEDER



No. 1-H

The Midget Seeder is of all metal construction, extremely light and easy to lift about. It will handle accurately almost any kind of garden seed from the smallest up to peas and beans. The hopper holds one pint, yet it will drill out clean a five-cent package of seed just as well as a hopper full. The adjustments for different seeds are easily made, as the index on top names the seeds and regulates the opening for their varying sizes. The shoe is adjustable for any depth. Can be easily attached to either the Nos. G-1, G-1-A or G-1-B cultivators shown on page 342.

Equipped with 4½-foot handle for use in close quarters, in beds or against a fence, or wherever it is inconvenient to operate it when attached to cultivator frame. Set up ready for use.

No.	Each
1-H	$0.25

Six in a crate, weight 43 lbs ; or one in a carton, weight 6 lbs.

TRUE TEMPER

No. 9

The No. 9 combination fills all the needs of any gardener or farmer who has not sufficient work to justify buying separate implements. It is easily changed from a double to a single wheel cultivator. It is equipped with single and double wheels, four shovels, one pair of hoes, one pair diamonds, two leaf guards and wrench. All attachments oil tempered and finely polished. The seeder not only delivers seed in drills, but by shifting one part only without the use of drillers it will drop in hills 4, 6, 8, 12 and 24 inches apart. The index is in plain view and very easily adjusted with a brass thumb screw to give required amount of seeds. A special shape shoe is provided which will open up a clean furrow, and is adjustable in depth up to 2 inches. An extra shoe made of tin is also furnished. It fits inside the regular shoe to distribute seed in a very narrow row. This allows for close cultivation after the plants are up. The coverer is hinged to the seeder and does its work well. A concave roller wheel finishes the job in proper shape. Directions with each machine shows how to set up and operate.

No.	Wt. each	Each
9	56 lbs.	$24.00

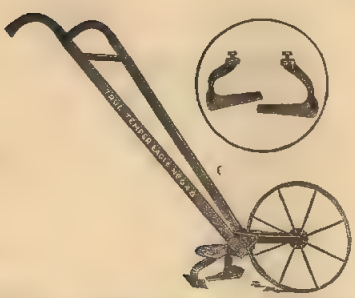
One in a carton; handles bundled separately.

Full directions accompany each cultivator or seeder.

GARDEN CULTIVATORS AND SEEDERS

TRUE TEMPER

EAGLE



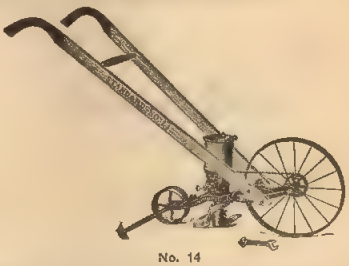
No. G-4-B

The Eagle No. G-4-B is the same cultivator in all respects as the Nos. G-4 and G-4-A, described on page 343, except it is equipped with only the two scuffle hoes It will do a large variety of work and will cultivate clean all the ground between 12-inch and 14-inch rows. Weight complete, 9 lbs.

No.	Each
G-4-B	$6.25

Metal parts packed in a wooden box, handles wired in pairs and papered.

HILL AND DRILL SEEDER



No. 14

A single wheel hill and drill seeder, which has less parts than any similar tool and will plant seed in hills 4, 6, 8 and 24 inches apart, or will drill in a continuous row. The drill spacer is very simple, being made of one piece and has no extra parts to get lost. The seeder can be changed from hill dropping to drilling by slightly moving one part only. The seed is fed through the plate by a rotary brush, which gives a constant and steady flow without injury to the seed. The flow of seed can be cut off entirely by pulling the seed slide out until it latches. The shoe is adjustable for depth and entirely open in the rear, so the seeds falling are in plain view of the operator.

A convenient marker is provided that can be removed or replaced instantly, simply being hooked over a lug on the frame. The entire frame and all parts liable to be broken are made of malleable iron. Has 16-inch steel wheel with 1½-inch tire. Weight complete, about 36 lbs.

Finished in meadow-green and black, and then varnished.

No.	Each
14	$19.00

One in a crate, handles bundled.

GARDEN PLOWS

TRUE TEMPER

No. 20

This is the handiest and most efficient cultivator. By reason of the special patented shape of the shank and upright, the attachments always set at the same angle whether used for deep or shallow work. The bend of the handles may be instantly adjusted to suit the height of the operator or to regulate the depth for tools. The machine runs easily, steadily and in perfect balance on the light, strong 24-inch steel bushed wheel. Special care is taken with the grinding and polishing of the attachments. They are first oil tempered and then polished smooth and bright. Equipped with one double-end steel shovel, one moldboard with landside and combined rake and sweep. Knocked down flat for shipping.

No.	Wt. each	Each
20	18 lbs.	$7.00

One in a crate.

No. 40

A very good cultivator, does good work and works easily. Equipped with one shovel 4 inches wide, 8 inches long; one shovel 2 inches wide, one moldboard or diamond, one malleable three-shovel weeder. Steel attachments are oil tempered and polished bright and smooth.

No.	Wt. each	Each
40	19 lbs.	$6.00

No. 30

Attachments same as on No. 40. Handles same style as on No. 20.

No.	Wt. each	Each
30	16 lbs.	$5.50

CIDER MILLS

BELKNAP SPECIAL

Adapted for grapes and small apples—large apples must be cut or quartered. Hopper enclosed and grinding mill made heavier than other mills of this style. Painted red with japanned castings. Height over all 46 ins; tub 11x11 ins inside; hopper 7 x 9 ins at top; press screw 1¼ x 19½ ins; diam of crank wheel 16 ins; uprights 5x1¾ ins at bottom, 3¼x1¾ ins. at top; floor space 20x24 ins.

Each

No. 0BS—Capacity ½ to 1 barrel per day $42 00

Shipped loose; wt each 115 lbs.

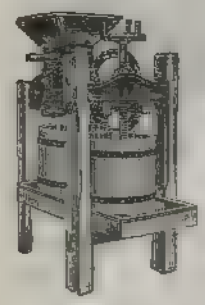
—CYCLONE—

Frame nicely finished, tub natural wood stave, riveted to japanned iron band; height over all 46 ins; tub 11x11 ins inside; hopper 7½x9 ins at top; press screw 1¼x25½ ins; diam fly-wheel 16 ins; uprights 5¼x1¾ ins at bottom, 4¼x1¾ ins at top; floor space 20x23 ins.

Each

No. 10C—A first class single tub cider mill and wine press for family use; capacity 2 to 3 barrels per day; wt each 136 lbs $51 00

Shipped loose.



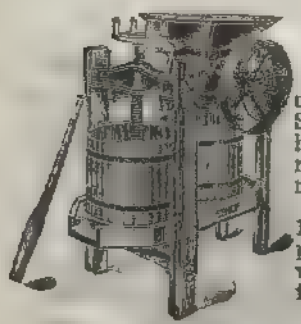
Frame varnished, natural wood finish with neat red stripes; tubs natural wood; castings japanned finish.

An excellent mill for family use. Substantially built of first quality material throughout and a high grade mill in every respect.

No. 1BS—Belknap's Special Junior, Steel Roll; capacity 2 to 4 barrels per day; height over all 42 ins; tubs 10x10¾ ins; hopper 12 x 13½ ins; press screw 1¼ x 18½ ins; diam fly-wheel 18¼ ins; posts 36x3 ½x2¾ ins; floor space 34x20 ins; wt each 130 lbs ..... Each $66 75

No. 2BS—Belknap's Special Medium, Steel Roll. Capacity 3 to 6 barrels per day; height over all 48 ins; tubs 10x10½ ins; inside hopper 14x14 ins at top; press screw 1½x21 ins; diam of fly-wheel 19 ins; post 40x3¾x2¾ ins; floor space 35x22 ins; wt each 260 lbs 79 50

Shipped loose.



BELKNAP SPECIAL SENIOR

Steel Rolls.

Hardwood frame, varnished natural wood finish with black stripes. Steel rolls and press screw; large hopper; gearing heavy and easy running; tubs natural wood staves riveted to japanned iron bands.

Height over all 48 ins; tubs 17x14¼ ins; hopper 17x15 ins; press screw 2 x 22 ins; diam fly-wheel 23 ins; posts 46x5x2¾ ins; floor space 45x30 ins.

Each

No. 3BS—Capacity 6 to 8 barrels per day ..... ✚120 00

Shipped loose; wt each 415 lbs.

✚F. O. B. Indiana Factory Only.

CIDER MILLS

RED CROSS

Self Feed.

Hardwood frame, varnished; natural wood finish with black and red stripes. Tub natural wood staves, riveted to japanned bands. Shaft and press screw cold rolled steel. The press screw with machine cut threads operates through a heavy iron crosshead.

Height of legs 4 ins; diam tub 14 ins; height tub 12 ins; press screw 1⅛x24½ ins.

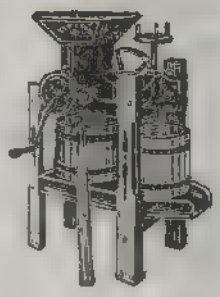
Each

No. 1SF—Capacity 1 to 2 barrels per day ..... ✚$45 00

Shipped loose, wt each 130 lbs

RED CROSS

Hardwood frame, varnished natural wood finish with black and red stripes. Tubs are natural wood staves, riveted to japanned iron bands. Shafts and press screws cold rolled steel. The press screw with machine cut threads operates through a heavy iron crosshead. Securely bolted and braced.

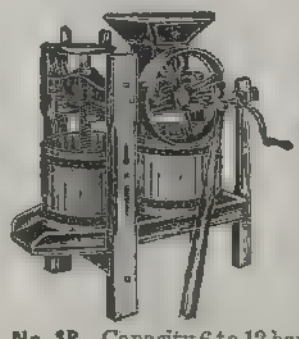


Each

No. JR—**Junior iron rolls**; Capacity 2 to 4 barrels per day; height legs 36 ins; tubs 10x12 ins; press screw 1⅛x18¾ ins; wt each 180 lbs ..... ✚$61 50

No. ME—**Medium iron rolls**; capacity 3 to 6 barrels per day; height legs 40 ins; tubs 12x14 ins; press screw 1½x20½ ins; wt each 235 lbs ..... ✚$72 00

Shipped loose.



RED CROSS SENIOR

Hardwood frame, varnished natural wood finish with black and red stripes.

Tubs are natural wood staves, riveted to japanned iron bands. Shafts and press screws cold rolled steel. The press screw with machine cut threads operates through a heavy iron crosshead securely bolted and braced.

Height legs 46 ins; tubs 14x17 ins; pulley 3½x18 ins; press screw 2x28½ ins.

Each

No. 3R—Capacity 6 to 12 barrels per day ..... ✚$108 00

Shipped loose; wt each 341 lbs.

✚F. O. B. Indiana Factory Only.

FRUIT PRESSES

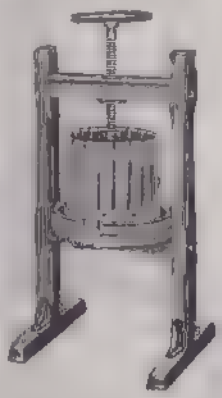
LANSING

Hardwood frame, varnished; wood stave tub, natural finish. Securely bolted and braced. Easily operated.

Each

No. 0L—Capacity 8 qts; height over all 84 ins; diam of cylinder 9½ ins; height of cylinder 9½ ins..... +$19 50

Shipped loose; set up.

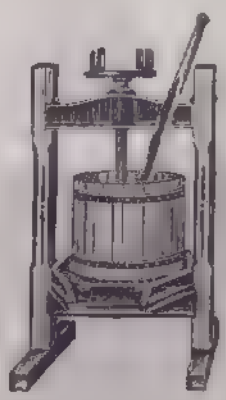


Hardwood frame, varnished; wood stave tub, natural finish. Securely bolted and braced. Easily operated.

LANSING

Nos.	1L	2L	3L
Capacity, qts	14	20	30
Height over all, ins	37	47	49
Diam of cylinder, ins	12	14	16
Height of cylinder, ins	11	14	15
Wt each, lbs	70	146	230
Each	+$28 50	+41 25	+75 00

Shipped loose; set up.



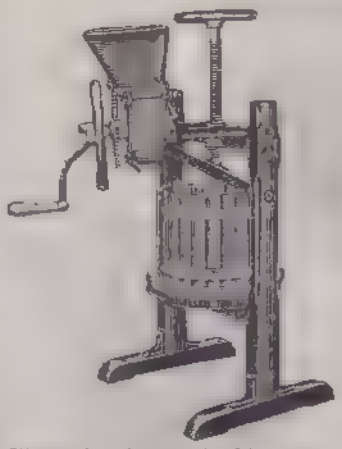
RED CROSS

Hardwood frame, varnished; wood stave tub, natural finish; shaft and press screw of cold rolled steel. The press screw with machine cut threads operates through a heavy iron crosshead, securely bolted and braced.

Nos.	1RCP	2RCP	3RCP
Height of legs, ins	36	40	46
Height of tub, ins	10	12	14
Diam of tub, ins	12	14	17
Diam of screw, ins	1⅛	1½	2
Length of screw, ins	18¾	20	23½
Wt each, lbs	72	100	168
Each	+$28 50	+36 75	+49 50

Shipped loose; set up.

CIDER MILL ATTACHMENTS



(Illustration shows Cider Mill attached to No. 1L Fruit Press.)

LANSING

For Use on Lansing Fruit Presses.

Made of best grade material throughout. Self-feeder with a grinding attachment that will take any size apples.

Diameter of fly-wheel 12 inches; capacity of hopper 10 qts.

Price does not include Press.

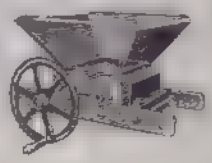
Each

No. 1CMA—Cider mill attachment only..... +$38 25

Crated; wt each 65 lbs.

GRAPE AND BERRY CRUSHERS

RED CROSS



For Grapes And Berries.

Hardwood frame and hopper, varnished natural finish; iron parts painted gray. Self aligning bearings permit a great range of roll adjustment. Locked assembly of gears and rolls prevents them from coming loose on the shafts. So designed that roll case may be easily removed for cleaning. Diameter rolls 5¾ inches, length 10 inches; size hopper at top 20x20 inches; depth 8 inches.

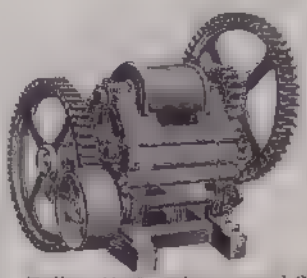
Each

No. BC—Length over all 28 ins; width 21 ins; height 15 ins..... +$35 25

Shipped loose, wt each 100 lbs

CANE MILLS

JUMBO



With Double Back Gearing.

Designed to meet the demand for a small power mill.

The large roll is flanged so as to give full width of rolls for pressing. The rolls are grooved which insures regular and positive feed. By means of set screws the rolls are adjusted for large or small canes. High grade babbitt is used in the boxes. Roll boxes and counter shaft boxes are very strong.

Pulley 18x6 inches; speed 240 revolutions per minute; diameter large roll 8 in.; diameter small roll 6 in.; length roll 6 in.; diameter large roll shaft 2 in.; diameter small roll shaft 1 15/16 inches. The mill requires 3 to 5 horse power to operate.

No.	J88
Capacity, tons per 12 hrs	4 to 6
Shipping wt each, lbs	650
Each	+$192 75

Shipped loose.

+Attachments—F. O. B. Michigan Factory Only.
+Berry Crushers—F. O. B. Indiana Factory Only.
+Cane Mills—F. O. B. Ohio Factory Only.

+Lansing—F. O. B. Michigan Factory Only.
+Red Cross—F. O. B. Indiana Factory Only.

COMBINATION CUTTER AND GRINDING MILLS

KELLY-DUPLEX

The Kelly-Duplex combination cutter and grinding mills are of the same high grade construction throughout as are all other Kelly-Duplex mills.

These mills enable the feeder to grind alfalfa, corn fodder, clover hay, pea-vine hay, kaffir corn and milo maize in the head, with a portion or all of the stalk either alone or mixed in varied proportions with wheat, shelled corn, rye, oats or other small grain. Gears can be changed to cut fine, medium or coarse.

Height over all 44 in.; width 27 in.; outside distance between sills 37 in.; length of main shaft 61 in.; diam. of pulley 10 in., width face 10 in.; diam. of grinding plates 12 in., speed 800 to 1100 revolutions. Four extra plates furnished with each mill.

Power required to operate 12 to 20 H. P. gasoline engine or electric motor.

Each

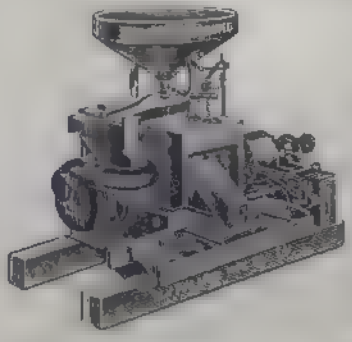
No. 404—Capacity 4 to 8 tons per day. ..... ✣$435 00

Crated; wt each 1000 lbs.

BURR GRINDING MILLS

These mills have especially designed ball-bearing to prevent heating. They are well lined with babbitt and fitted with compression grease cups. The mill stones or burrs used are of the pearl flint grit which is the best burr known for grinding grain for table use. The burrs are very hard and flinty, yet they are of a fine, tough, even texture, which will dress or sharpen to the best degree of evenness, thereby rendering them very much suited for fine, soft grinding.

WILLIAMS IMPROVED



With Blower.

Designed with special care, so as to leave as little meal as possible in the mill after grinding. This is obtained by two fans being attached to the runner stone. These fans draw a current of cool air between the bed and the runner stones while the mill is in operation, keeping the meal cool and cleanly blown out.

Nos.	16WI	20WI	24WI	28WI	30WI
Size burrs, ins.	16	20	24	28	30
Horse Power	4 to 6	5 to 7	7 to 10	9 to 11	10 to 12
Size pulley, ins.	10x6	12x6	14x6	14x6	14x6
Speed, R. P. M.	850	750	650	600	550
Cap per hr, bu.	Meal 6 to 10	8 to 12	9 to 15	11 to 18	12 to 20
	Chops 12 to 20	16 to 25	20 to 30	23 to 38	25 to 40
Floor space, ins.	30x58	36x66	39x66	43x66	45x66
Weight, lbs.	750	950	1200	1400	1600
Each	✣$261 00	✣324 00	✣426 00	✣519 00	✣540 00

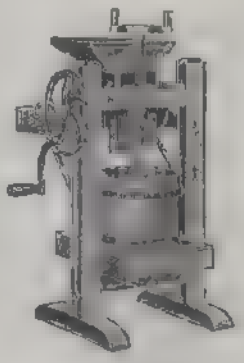
✣No. 404—F. O. B. Ohio Factory Only.

✣Nos. 16WI to 30WI—F.O.B. North Carolina Factory Only.

WOOD ROLL CIDER MILLS

—BLUE GRASS—

Frames are of hardwood, varnished and striped; tubs are of wood staves, natural finish, riveted to japanned iron bands; straw color hoppers. The rolls are of hardwood, fitted with high carbon steel cutters; steel press screw; gearing is heavy and easy running.



—BLUE GRASS—BANTAM

Height over all 40 in.; tub 12x10 in.; hopper 12x14 in.; press screw 1¼ in. in diameter; floor space 20x23 inches.

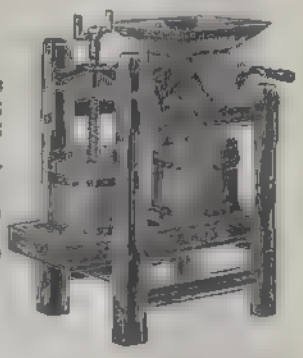
For grinding and pressing grapes for wine, and for all small fruits, this mill has ample capacity for general use.

Each

No. BG10B—Capacity ½ to 1 barrel per day..... $60 00

Shipped loose, set up; wt 119 lbs.

—BLUE GRASS—JUNIOR



Height over all 40 in.; tubs 12x10½ in.; hopper 16x14¾ in.; press screw 1¼ in. in diameter; floor space 20x34 inches.

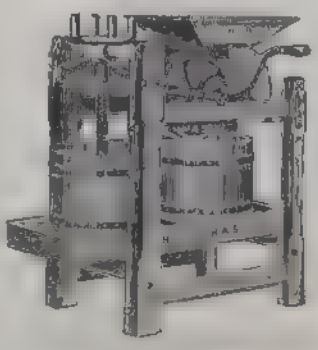
Designed especially for family use.

Each

No. BG1J—Capacity 2 to 4 barrels per day..... $90 00

Shipped loose, set up; wt 172 lbs.

—BLUE GRASS—MEDIUM



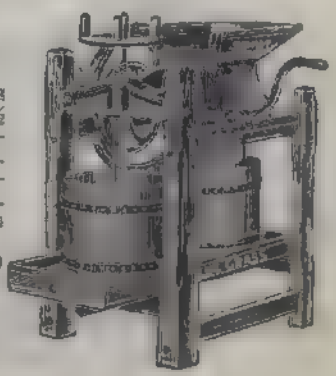
Height over all 42 in.; tubs 12½x13½ in.; hopper 15½x19 in.; press screw 1¼ in. in diameter; floor space 22x35 inches.

Each

No. BG2M—Capacity 3 to 6 barrels per day $108 00

Shipped loose, set up; wt 253 lbs.

—BLUE GRASS—SENIOR



Height over all 45 in.; tubs 15x15½ in.; hopper 18½x21½ in.; press screw 2 in. in diameter; floor space 29x45 inches.

Designed for use where considerable capacity is required.

Each

No. BG3S—Capacity 6 to 10 barrels per day✣$144 00

Shipped loose, set up; wt 367 lbs.

✣F. O. B. Ohio Factory Only.

CANE MILLS

—BLUE GRASS—Three Roll.

Held together by four main bolts, which make them more rigid than a mill with three bolts.

The cog gearing is cast separate from the rollers, and is made very heavy, with two clutches on each wheel, which fits into two corresponding ones in each roller.

Both top and bottom journals run in brass boxes, making the mill work smoothly and easily

All steel shafts with turned bearings, rollers turned with serrated faces, enabling a regular and constant feed to be maintained.

The main rollers are flanged at top and bottom, preventing the cane from passing either up or down. Feed-guide furnished with each mill, made so that the full length of the roller can be used.

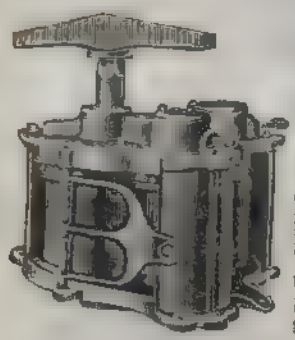
The gearing is encased preventing it from being clogged, and making it entirely safe to the operator.

Angle or incline yoke can be supplied as desired. With the angle yoke bolts are furnished to attach to sweep. Bows are furnished for the incline yoke.

The oiling is done by means of horizontal oil ducts for the lower journals, avoiding the mixing of oil with the juice.

Nos.	0BG	1BG	2BG	3BG	4BG
Horse Power	1	1 Reg.	2	2 Reg.	2 Hvy
Estd. cap. per hr., gals	40	60	80	100	120
Diam large rolls, ins.	10⅛	11⅜	13½	14¹⁵/₁₆	16
Diam small rolls, ins.	6½	6¾	7⅛	8	9¹¹/₁₆
Height rolls, ins.	5½	6⁵/₁₆	7½	9¾	12
Wt each, lbs.	435	560	800	1060	1500
Each	$107 25	140 85	196 80	264 30	+321 15

—CYCLONE—Three Roll.



All parts are made strong and of the best material. The shafts are made of selected steel. All boxes have brass linings of ample thickness, and when properly oiled should last for years.

Top plates are made with a wide flange, which strengthens the plate and covers the gear. This effectually prevents cane, etc., from getting between the cogs and insures safety to the operator. The cog wheels can be oiled through a small hole in the top plate, and there is no danger of oil getting into the juice.

Nos. 0C, 1C, 2C and 3C are held together by three bolts, No. 4C has four bolts.

The feed guides are made reversible to be worked on either side of the mill.

The main shaft is very heavy and strong, and there is no danger of it twisting or bending.

Nos.	0C	1C	2C	3C	4C
Power, Horses	1	1 Reg.	2	2 Reg.	2 Hvy.
Estd. cap. per hour, gals	40	60	80	100	120
Diam large rolls, ins.	10⅛	11⅜	13½	14¹⁵/₁₆	16
Diam small rolls, ins.	6½	6¾	7⅛	8	9¹¹/₁₆
Length of rolls, ins.	5½	6⁵/₁₆	7½	9¾	12
Wt each, lbs.	430	560	790	1050	1450
Each	$105 45	142 50	193 50	259 80	+315 60

Shipped loose.

+F. O. B. Ohio Factory Only.

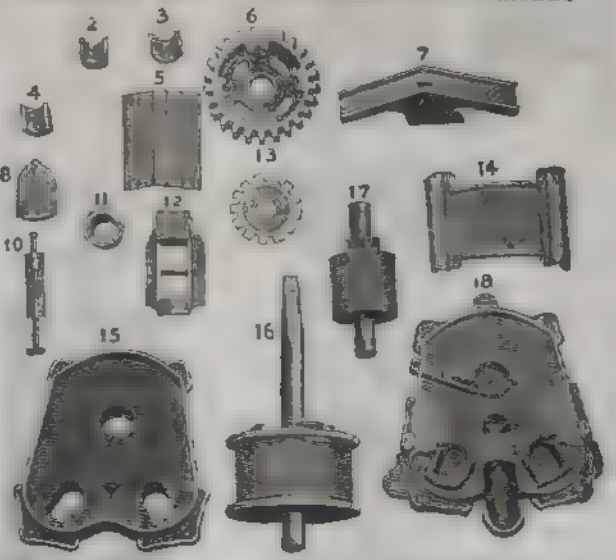
CANE MILLS

(Continued from preceding column)

DIRECTIONS FOR OPERATING

6. The circle where the horse walks should be level, the sweep 12 to 13 feet from the center of the mill and extend beyond to partially balance.

REPAIRS FOR —BLUE GRASS—CANE MILLS



For Mills, Nos.	0BG Each	1BG Each
9T. Small Top Brass	+$1 50	+$1 50
9B. Small Bottom Brass	+ 1 50	+ 1 50
2. Small Bottom Box	+ 1 20	+ 1 35
3. Large Bottom Box	+ 1 20	+ 1 50
4. Small Top Box	+ 1 20	+ 1 35
5. End Plate, S. R.	+ 3 00	+ 3 96
6. Large Spur Wheel	+ 9 90	+10 65
7. Sweep Cap	+ 9 90	+13 80
8. Top Cap	+ 66	+ 78
1T. Large Top Brass	+ 1 50	+ 1 98
1B. Large Bottom Brass	+ 1 50	+ 1 98
10. Center Guide	+ 1 50	+ 1 98
11. Large Top Box	+ 1 20	+ 1 50
12. Feed Box	+ 1 98	+ 1 98
13. Small Spur Wheel	+ 6 00	+ 7 95
14. End Plate, L. R.	+ 3 96	+ 4 65
15. Top Plate	+19 80	+23 76
16. Large Roll	+52 80	+59 40
17. Small Roll	+25 50	+31 65
18. Bottom Plate	+25 50	+29 70

For Mills, Nos.	2BG Each	3BG Each	4BG Each
9T. Small Top Brass	+$1 98	+$1 98	+$2 40
9B. Small Bot. Brass	+ 1 98	+ 1 98	+ 2 40
2. Small Bottom Box	+ 2 40	+ 2 40	+ 3 00
3. Large Bottom Box	+ 2 40	+ 2 40	+ 3 00
4. Small Top Box	+ 2 40	+ 2 40	+ 3 00
5. End Plate, S. R.	+ 6 00	+ 6 00	+ 9 00
6. Large Spur Wheel	+11 85	+17 85	+21 75
7. Sweep Cap	+18 00	+19 80	+25 80
8. Top Cap	+ 81	+ 81	+ 81
1T. Large Top Brass	+ 2 40	+ 2 40	+ 2 70
1B. Large Bot. Brass	+ 2 40	+ 2 40	+ 2 70
10. Center Guide	+ 3 00	+ 3 00	+ 3 00
11. Large Top Box	+ 2 40	+ 2 40	+ 3 00
12. Feed Box	+ 3 00	+ 3 96	+ 4 95
13. Small Spur Wheel	+ 9 00	+ 9 90	+11 85
14. End Plate, L. R.	+ 7 95	+11 85	+11 85
15. Top Plate	+39 60	+47 55	+63 30
16. Large Roll	+90 75	+118 80	+158 40
17. Small Roll	+47 55	+57 75	+79 20
18. Bottom Plate	+53 40	+55 50	+71 25

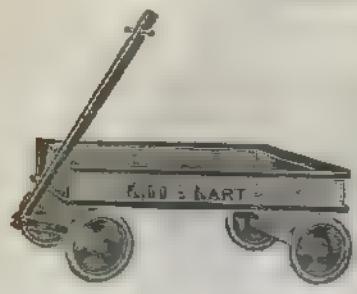
+F. O. B. Ohio Factory Only.

CHILDRENS' WAGONS

KIDDIE KARTS

Little Laddie play wagon designed and built for indoor as well as out door use or for children of Kiddie-Kar age.

SPECIAL



Roller Bearing Steel Wheels with Rubber Tires.

Made of hardwood, beautifully finished in baked varnished with red striping and red wheels. Electrically welded double-disc steel wheels with dust proof roller bearings and large size rubber tires.

All iron work baked japan.

No. 1305—Equipped with roller friction brake.

Nos.	301	302	303	304	305
(Old Nos)	1301	1302	1303	1304	1305
Length body, ins	20	24	30	30	32
Width body, ins	9½	10½	12	12	13
Depth body, ins	2⅝	2⅞	2⅞	2⅞	8⅛
Wheels, ins	4½	5½	6	7	8¼
Tires, in	½	⅝	⅝	¾	¾
Wt doz, lbs	84	120	164	204	273
Per Doz	90 00	117 00	144 00	177 00	222 00
	$42 00	*54 00*	*66 00*	*78 00*	*102 00*

One-sixth doz in carton, K. D.

TEENIE WEENIE

Body constructed of selected hardwood, with curved coaster front, varnished, trimmed in red; double disc steel wheels, painted red.

Nos.	293	294
Body, ins	9½x20	10½x24
Wheels, ins	5	5
Width tires, ins	½	½
Wt per doz, lbs	84	120
Per Doz	$75 00	96 00

Two in carton.

TRAIL-O-WAGS

Substantially built of hardwood, finished in attractive colors. Kiln dried wheels, painted bright red, mounted upon a new stud axle. Suitable for indoor or outdoor use.

Nos.	430	440	443
Length, ins	15	18	21
Height, ins	6¾	7¾	8¾
Width, ins	7½	9	10½
Length tongue, ins	18	21	21½
Doz in carton	½	½	½
Wt per doz, lbs	46	60	90
Per Doz	$39 00	47 25	72 00

CHILDRENS' WAGONS

TRAIL-O-WAGS

Rubber Tires.

Substantially built of hardwood, steel axles, front and rear; wide hubs with steel bearing surface. This prevents uneven wear and assures smooth riding. Equipped with special device on handle for attaching to other toys.

Nos.	444	447
Size tires, in	½	½
Length tongue, ins	21	24
Length body, ins	21	24
Width body, ins	10½	12
Height, ins	9	10¼
Wt per doz, lbs	99½	133
Per Doz	$90 00	99 00

Half doz in crate.

HAY WAGONS

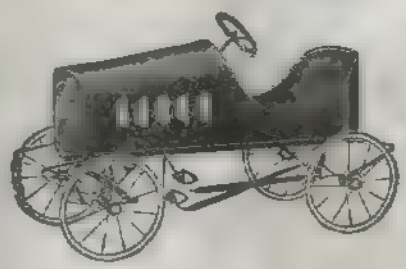
Made of hardwood; red enameled running gear, straw finished body. The slatted demountable sides extending above the wagon gives this toy the appearance of a real hay wagon. The unusual carrying capacity and attractive colors appeal to the children.

	Per Doz
No. 610—Size 19x11 ins	$54 00

One-quarter doz in carton K. D.; wt per doz 84 lbs.

CHILDREN'S AUTOMOBILES

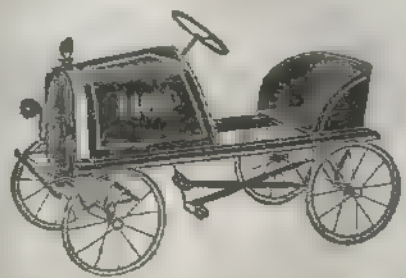
FORD



Body is of sheet steel and hardwood; wrought steel gearing, rigid front axle with forged knuckle joints; equipped with ratchet, starting crank, 6 inch steering wheel and nickeled hub caps. Red body, striped with yellow and black; gears and wheels black enameled.

	Each
No. 500—Body 13x30 ins; diam wheels 10 ins; fitted with ⅜ in. rubber tires	$14 25

One in carton. K. D.; wt each 55 lbs.



STAR

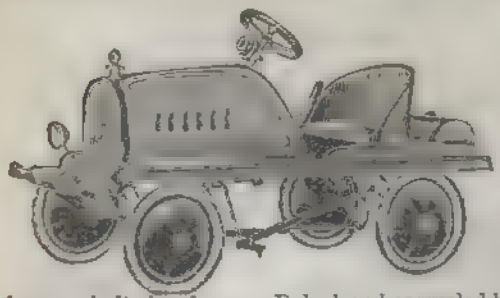
Body, seat, gears and bumpers made of steel. Radiator cast and girders made of selected hardwood; girders reinforced with steel cross members, supporting body and gears. Imitation head lamps, gas and spark control, motometers; 7 inch steering wheel, nickle plated hub and starter caps. Red body and seat striped in yellow and green; gears and wheels black enameled.

	Each
No. 700—Body 13x30 ins; diam wheels 10 ins; ⅜ in. rubber tires	$15 75

One in carton K. D.; wt each 25 lbs.

CHILDREN'S AUTOMOBILES

Ball-Bearing, Red Disc Steel Wheels, Rubber Tires.

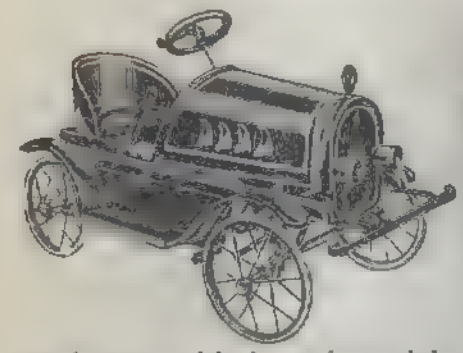


Hardwood frame and seat; sheet steel hood and seat trim; knuckle joint steering gear 7 inch wood steering wheel; ball bearing double disc steel wheels; bumper bolted to frame. Baked, red enameled body, hood and wheels striped, and decorated; nickel plated hub caps. Imitation head lamps, aluminum motor meter, gas and spark throttle, gear shift, license number and instrument board.

Each

No. 606—Body 12x48 ins; 10 in. wheels; ½ in. rubber tires **$25 50**

One in carton; wt each 42 lbs



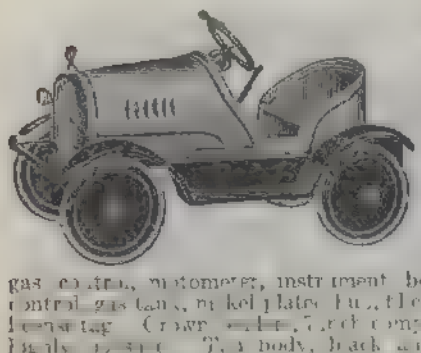
Hardwood frame, seat and running boards; sheet steel hood, seat back and fenders; steel gear 7 inch wood steering wheel; ¾ inch bumper, bolted to frame.

Baked, rich red enameled body and hood, handsomely striped in yellow; black enameled gear, bumper and fenders; red enameled wheels; nickel plated hub caps and gas throttle. Imitation head lamps, gas throttle, emergency brake, speedometer, motor-meter and self-starter.

Each

No. 603—Body 12x36 ins; 10 in. wheels; ½ in. rubber tires **$25 50**

One in crate; ship wt each 56 lbs.



Ball-Bearing, Disc Steel Wheels.

Body, seat, gears and bumper made of steel. Radiator, dash and girders made of selected hardwood; girders reinforced with steel cross members, supporting body and gears. Imitation head-lamps, spark and gas control, motometer, instrument board, gear shift control, gas tanks, nickel plated hub, tire and starter caps and fastenings. Crown fenders, 7 inch composition steering wheel. Highly polished body, black and vermilion striping, steering quadrant front, vermilion striping; gas tank fenders and gears black enameled, wheels vermilion with yellow striping.

Each

No. 770—Body 13x33 ins; diam wheels 10 ins; ⅝ in. rubber tires **$30 75**

One in carton; wt each 88 lbs.

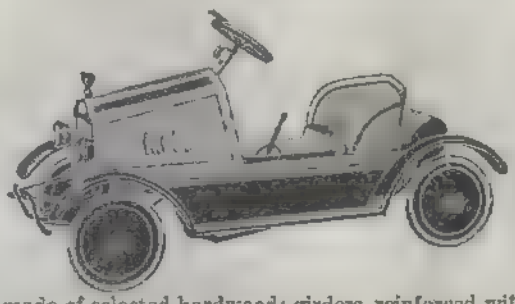
CHILDREN'S AUTOMOBILES

Hardwood frame, seat and running boards; sheet steel hood, seat back and horn; knuckle joint steel gear 7 inch wood steering wheel, ¾ inch, bumper bolted to adjustable frame; windshield and spotlight. Baked, orange enameled body and hood, handsomely striped in yellow; black enameled gear, bumper and fenders; red enameled wheels; nickel plated hub caps, gas throttle and windshield frame. Imitation head lamps, spotlight, gas throttle emergency brake, speedometer, motometer and self-starter.

Each

No. 604—Body 12x36 ins; 10 in. wheels; ½ in. rubber tires **$33 00**

One in crate; ship wt each 64 lbs.



Ball-Bearing, Disc Steel Wheels.

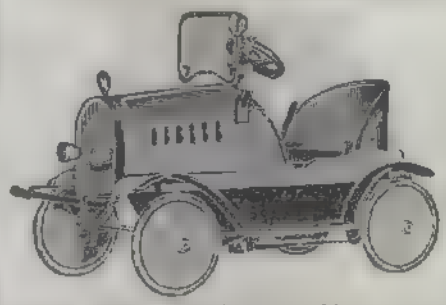
Body, seat gears and bumper made of steel. Radiator, dash and girders made of selected hardwood; girders reinforced with steel cross members, supporting body and gears. Imitation head-lamps, spark and gas control, motometer, instrument board, horn, gear shift control, gas tanks, nickel plated hub, tire and starter caps and fastenings. Crown fenders, 7 inch composition steering wheel, highly polished; upholstered seat. Body seat and gas tanks, gold stripe and vermilion striping, radiator front vermillion trimmed; fenders and gears black enameled; wheels red with yellow striping.

Each

No. 840—Body 13½x40 ins; diam wheels 10 ins; ⅝ in. rubber tires **$43 50**

One in crate; wt 70 lbs.

Ball-Bearing, Red Disc Steel Wheels, Rubber Tires.



Hardwood frame, seat and running board sheet steel body; hood and horn, ball-bearing double disc wheels with corrugated rubber tires; knuckle joint steel gear; bumper bolted to frame; 7 inch wood steering wheel; adjustable windshield and spotlight; baked red or blue enameled body, striped in yellow, black enameled gear and bumper, nickel plated hub caps. Imitation head lamps, motometer, gas and spark throttle, self-starter button and gear shift.

Each

No. 720—Body 12x36 ins; diam of wheels 10 ins; ⅝ in. rubber tires **$39 00**

One in crate; wt each 68 lbs

CHILDREN'S AUTOMOBILES

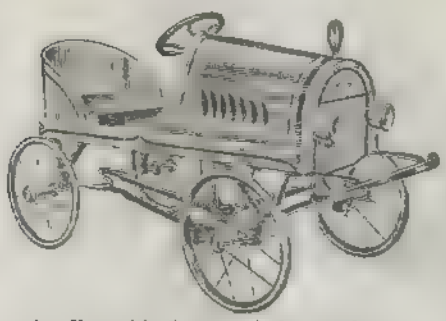
REO

Hardwood frame and seat; sheet steel hood and seat back; steel gear and iron rim steering wheel. Baked, rich red enameled body and hood, handsomely striped in gold and black; black enameled gear and steering wheel; red enameled wheels; nickel plated hub caps. Imitation speedometer, moto-meter, clock and self-starter.

Each

No. 599—Body 11x30 ins; front wheels 8 ins; rear wheels 12 ins; ⅜ in. rubber tires $14 25

One in carton; ship wt each 26 lbs.



MAXWELL

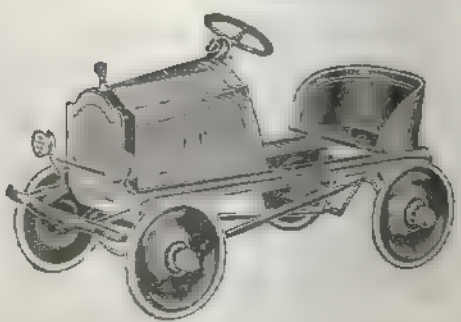
Hardwood frame and seat; sheet steel hood and seat back; knuckle joint steel gear and iron rim steering wheel, ¾ inch bumper bolted to frame. Baked, blue enameled body and hood, handsomely striped in black and yellow; black enameled gear, bumper and steering wheel; red enameled wheels; nickel plated hub caps. Imitation head lamps, speedometer, moto-meter, clock and self-starter.

Each

No. 600—Body 11x30 ins; 10 in. wheels; ⅜ in. rubber tires $15 75

One in crate; ship wt each 27 lbs.

BUICK
Disc Wheels.



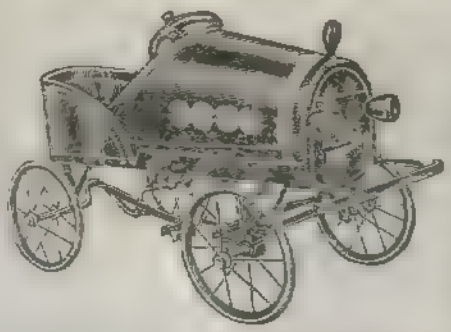
Hardwood radiator, dash and girders, reinforced with steel cross members supporting body and gears; steel body, seat and gears. Equipped with steel bumper, drum type road lamps, moto-meter, 7 inch steering wheel; spark and gas control, horn, nickel plated hub caps and starter cap, license plate and gear shift control. Body and seat dark blue, with vermillion striping, black enameled gear, brilliant red enameled disc wheels.

Each

No. 730—Body 13x30 ins; 10 in. wheels; ½ in. rubber tires $18 75

One in carton; wt each 25 lbs.

CHILDREN'S AUTOMOBILES



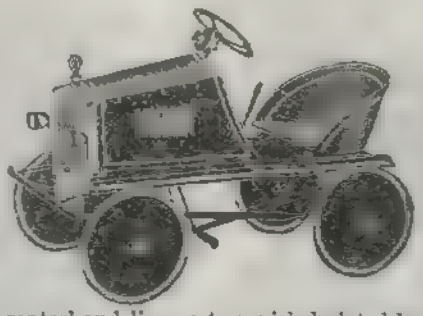
DODGE

Hardwood frame and seat; sheet steel body and hood; knuckle joint steel gear; 7 inch wood steering wheel; ¾ inch bumper bolted to frame. Baked, rich red enameled body and hood, handsomely striped in yellow; black enameled gear and bumper; red enameled wheels; nickel plated hub caps and gas throttle. Imitation head lamps, gas throttle, emergency brake, speedometer, moto-meter, clock and self-starter.

Each

No. 602—Body 11x30 ins; 10 in. wheels; ½ in. rubber tires $20 25

One in crate; ship wt each 34 lbs.



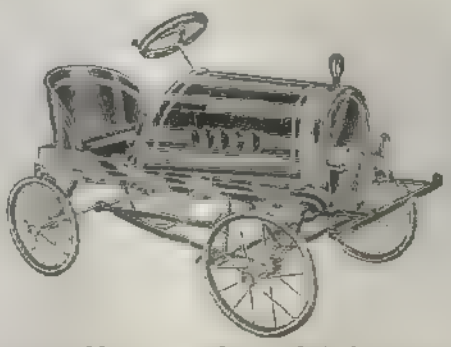
Disc Wheels.

Body, seat, gears and bumper made of steel. Radiator, dash and girders made of selected hardwood; girders reinforced with steel cross members supporting body and gears. Imitation head-lamps, gas and spark control, moto-meter, horn, gear-shift control and license tag; nickel plated hub and starter caps; 7 inch steering wheel. Blue body and seat striped in yellow and vermillion; gears black enameled; wheels brilliant red finish.

Each

No. 740—Body 13x30 ins; diam wheels 10 ins; ½ in. rubber tires $21 75

One in carton; wt each 26 lbs.



Hardwood frame and seat; sheet steel hood and seat back; knuckle joint steel gear; 7 inch wood steering wheel; ¾ inch bumper bolted to frame. Baked, orange enameled body and hood, handsomely striped in yellow; black enameled gear and bumper; red enameled wheels; nickel plated hub caps and gas throttle. Imitation head lamps, gas throttle, emergency brake, speedometer, moto-meter and self-starter.

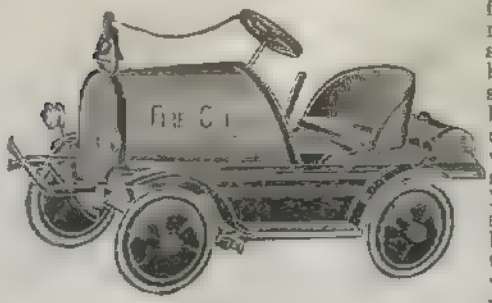
Each

No. 601 -Body 12x36 ins; 10 in. wheels; ⅜ in. rubber tires $21 00

One in crate; ship wt each 36 lbs.

CHILDREN'S AUTOMOBILES

Ball-Bearing, Red Disc Steel Wheels, Rubber Tires.



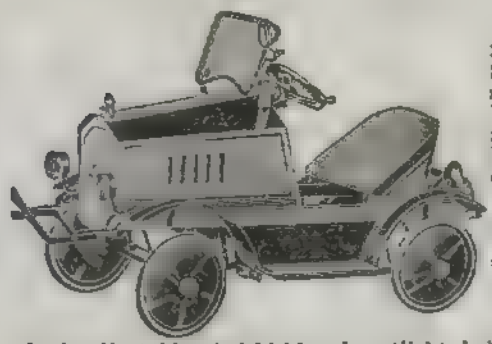
Hardwood frame seat and running board; sheet steel body, hood and seat back; ball-bearing double disc wheels with corrugated rubber tires; knuckle joint steering gear; bumper bolted to frame; 7 inch wood steering wheel; baked red enameled body, striped in gold; black enamel gear and bumper; nickel plated hub caps and bell. Imitation head lamps, tail lamp, gas and spark throttle, license number, instrument board and gear shift.

Each

No. 607—Body 12x47 ins; diam wheels 10 ins; ⅝ in. rubber tires.....**$37 50**

One in crate; wt each 67 lbs.

Ball-Bearing, Red Disc Steel Wheels, Rubber Tires.



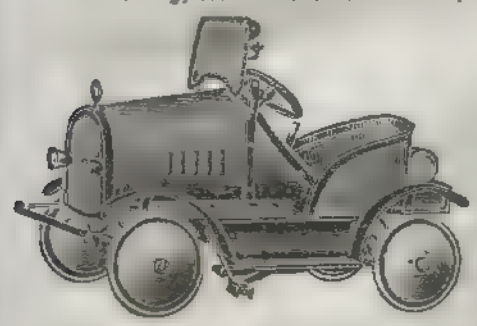
Hardwood frame, seat and running boards; sheet steel body, hood and seat back; ball bearing double disc steel wheels, with corrugated rubber tires; knuckle joint steering gear; bumper bolted to frame; 7 inch wood steering wheel; adjustable windshield and spotlight; baked red enameled body, striped and decorated; black enamel gear and bumper; nickel plated hub caps. Imitation head lamps, tail lamp, gas and spark throttle, motometer, gear shift, license number and instrument board.

Each

No. 724—Body 13x48 ins; diam wheels 10 ins; ⅝ in. rubber tires.....**$46 50**

One in crate; wt each 75 lbs.

Ball-Bearing, Red Disc Steel Wheels, Rubber Tires.



Hardwood frame, seat and running board; sheet steel body finished in assorted colors with striping and decorating in fancy colors; black enameled knuckle joint steel gear; gear-shift; wood rim steering wheel; self starter button; two imitation wood lamps; nickel plated gas lever attachments and motometer; bumper bolted to frame; nickel plated hub caps; gas tank; black enameled crown fenders; nickel plated form fitting windshield; spotlight and horn.

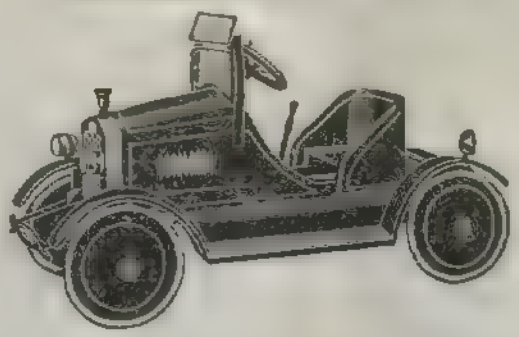
Each

No. 722—Body 13x48 ins; diam wheels 10 ins; ⅜ in. rubber tires.....**$45 00**

Crated; ship wt each 73 lbs.

CHILDREN'S AUTOMOBILES

Ball-Bearing, Disc Steel Wheels.



Body, seat gears and bumper made of steel. Radiator, dash and girders made of selected hardwood girders reinforced with steel cross member supporting body and gears. Imitation head-lamps, spark and gas control, winged motometer, adjustable windshield; instrument board, horn, gear-shift control, gas tank, trunk rack, tail light, license tag, nickel plated hub, filler and starter caps; upholstered seat; crown fenders; 8½ inch composition steering wheel, highly polished. Maroon body and seat, yellow and gold striping; stenciled radiator front, yellow and white trimmings; gas tank, fenders and gears black enameled; trunk rack, black enameled, aluminum trimmings; maroon wheels, gold striping.

Each

No. 850—Body 13½x40 ins; diam wheels 11 ins; ¾ in. rubber tires.....**$51 00**

One in crate; wt each 75 lbs.

STUTZ

Ball-Bearing, Disc Steels Wheel.

Body, seat, gears and bumpers made of steel. Radiator, dash and girders made of selected hard-wood; girders reinforced with steel cross members, supporting body and gears. Imitation head-lamps, spark and gas control, winged motometer, adjustable windshield, instrument board, horn, gear-shift control, gas-tank, stop signal, tail-light, nickel plated hub, filler and starter caps. Crown fenders, 8½ inch composition steering wheel polished. Red body and seat, yellow striping; stenciled radiator and front, black and yellow striping; gas tank, fenders and gears, black enameled; red wheels, yellow striping.

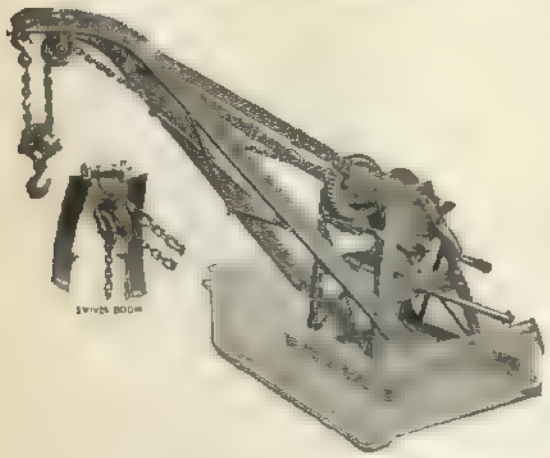
Each

No. 870—Body 13½x40 ins; diam wheels 11 ins; 1 in. rubber tires.....**$66 00**

One in crate; wt each 80 lbs.

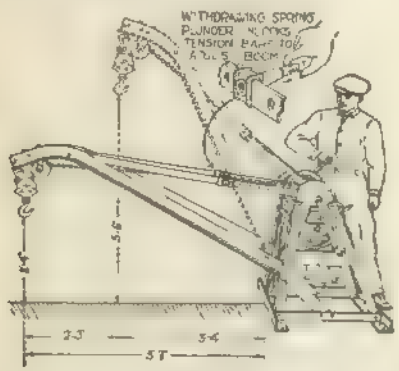
WEAVER GARAGE AND SHOP EQUIPMENT

WEAVER AUTO CRANE



Weaver Model G Auto Crane. Compact strength, without unnecessary weight or bulkiness, is an outstanding feature of the new Weaver Model G Auto Crane. It is amply strong to handle loads to 6,000 pounds.

The boom is hinged at the bottom. One man can easily raise or lower the boom, even with the car suspended, after unlocking tension bars and blocking boom, as illustrated. The boom has been lengthened, affording an increased range of height and overhang.



The compound gears afford two distinct leverages and speeds (using the crank handle in the position shown in the accompanying illustration) and enable mechanic to conveniently operate the crane from the ground or service car. The extreme leverage ratio of 114 to 1 enables the heaviest loads to be lifted with ease.

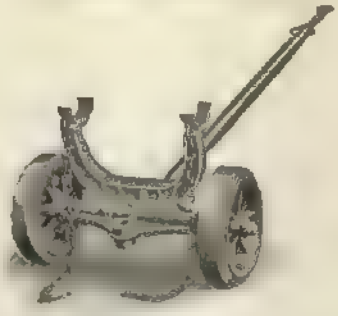
The sheave wheel at the end of the boom is swiveled, permitting a direct side pull without the chain bending.

The large diameter of the drum prevents excessive wear on chain or cable due to tight winding as well as kinking of cable or twisting of chain. Drum is mounted on roller bearings which greatly facilitate operation. 35 feet best quality chain regularly supplied; 50 feet 7/16-inch cable supplied in place of chain at same price. Base, 36 inches wide by 29½ inches long.

Shipping weight, 470 pounds.

No. WG13 Weaver Model G Auto Crane.complete **$110 00**

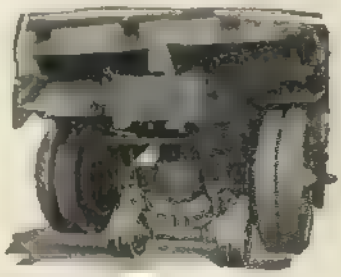
WEAVER AMBULANCES



Weaver Model C Auto Ambulance. The wide, cast steel yoke provides a two-point support for car axle, 18¼ inches between centers. Can readily be applied to front or rear axle of any car.

Heavy telescoping tongue is adjustable from 7 feet to 13 feet and can readily be detached for carrying ambulance in service car. Regularly equipped with solid rubber tires, 3½x16 inches. Cast steel wheels, rubber tired.

No. WB13. Rubber tired. Shpg. wt., 265 lbs..each **$85 00**
No. WB12. Cast steel wheels. Wt., 195 lbs.. " **65 00**

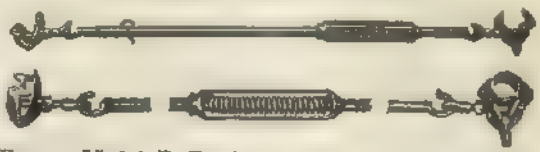


Weaver Truck Ambulance. Designed to answer the demand for a quicker, easier and safer means to tow in disabled trucks, busses and other commercial cars.

Strong and simple in construction. Load is supported by 2½-inch steel dead axle. Wheels, 8½ inches wide and 16 inches in diameter. Extreme width of ambulance, 43¼ inches. Telescoping pole adjusts from 7 to 13 feet.

No. WB14. Shipping weight, 580 pounds...each **$250 00**

WEAVER TOWING POLE



Weaver Model D Towing Pole. Supplies a rigid connection between towing and disabled car, which prevents jamming on sudden stops or on down grades.

Special attention is called to the two jaw clamps and hooks which fasten into them. The two clamps enable the pole to be rigidly clamped to front or rear of any car. The clamp on the left end (see illustration) is especially designed to attach to front axle or bumper, avoiding splash apron.

The two hooks form simple and effective universal joints which allow ample play in any direction when turning corners, towing over rough roads, etc. They cannot become unhooked in towing when both are fastened.

Pole is of double strength steel tubing in two sections, one telescoping within the other. Length adjustable from 5 feet 6 inches to 8 feet. Shipping weight, 47 pounds.

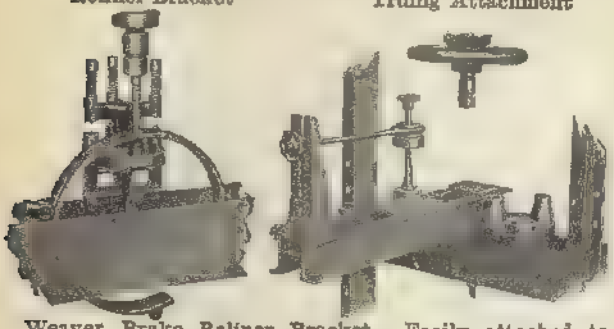
No. WC10 Weaver Towing Pole.....each **$15 00**

WEAVER GARAGE AND SHOP EQUIPMENT

WEAVER FORCING PRESS ATTACHMENTS

For Hi-Speed and Regular Presses

Reliner Bracket Truing Attachment



Weaver Brake Reliner Bracket. Easily attached to press bolster and supplies a base for mounting reliner in order to bring plungers of reliner under press screw.

Hi Speed lever can be used to operate plunger to press out old rivets, punch holes in lining, and head and countersink rivets.

No. WD34 Reliner Bracket. Shpg. wt., 17 lbs..each $3 00

Weaver Disc Wheel Truing Attachment. This attachment is especially designed to straighten Hayes disc wheels of light cars having hubs riveted to disc.

No. WD26 Disc Wheel Truing Attachment. Shipping weight, 110 pounds.....each $40 00

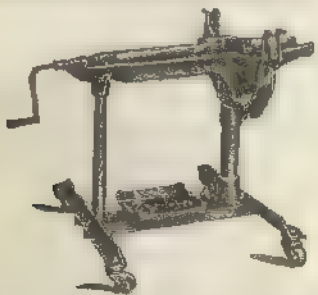
No. WD30 Special Attachment for Truing Disc Wheels with Detachable Hubs. Shipping weight, 110 pounds ..... each 40 00

WEAVER UNIVERSAL AXLE STAND

Weaver Model F Universal Axle Stand. 100 per cent efficient for handling passenger car and light truck axles. Jaws are adjustable to any position.

No. WH11 Model F Universal Axle Stand.complete $50 00

WEAVER FORD MOTOR ASSEMBLY STAND



Weaver Ford Motor Assembly Stand. Designed for supporting Ford engines in a convenient position for the mechanic to unbolt the oil-pan and flywheel housing and remove other parts preparatory to placing the engine in the engine stand and to replace these parts when reassembling the engine.

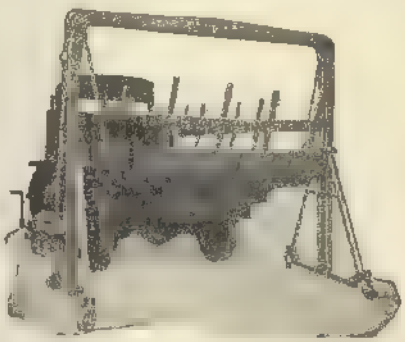
The stand affords an absolutely safe three-point support for the engine, the rear end of the engine being held by a U-Shaped yoke. Shipping weight, 92 pounds.

No. WK10 Weaver Motor Assembly Stand....each $20 00

WEAVER AUTO AND TRUCK HOISTS

Weaver Auto Hoist. Has a leverage of approximately 200 to 1. Height of arch can be increased 20 inches by raising the braces on either side by means of the worm hoist, enabling raising of rear end of either limousine or touring car with top up, for removing the rear system. Carried upon four ball and roller bearing casters, 5 inches in diameter, insuring easy transportation. The extremely wide base provides a safe and substantial foundation which insures the hoist always standing erect. Height, 7½ to 9 feet 2 inches. Shipping weight, 545 pounds.

No. WG10 Weaver Auto Hoist.....complete $120 00



Weaver Truck Hoist. A special extra heavy hoist for truck service; lifting leverage, 400 to 1. Width between frame, 8 feet 4 inches. Minimum height, 8 feet 4 inches; maximum height, 10 feet. Shipping weight, approximately 940 pounds.

No. WG11 Weaver Truck Hoist.....complete $200 00

WEAVER SAFETY STANDS

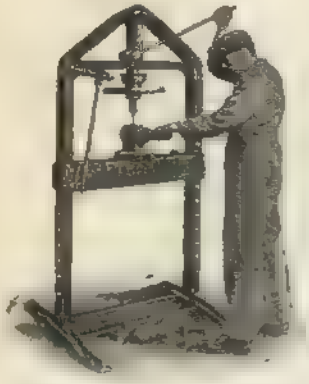
Weaver Safety Stands afford a simple, compact means of supporting the heaviest passenger cars and light trucks in an elevated position to insure the absolute safety of the mechanic while making repairs. They also free the hoisting equipment for use elsewhere in the shop. The top plate is shaped to fit the tire of car and as a further precaution against slipping, a chain is provided for securely clamping the wheel to the stand. Constructed of the best material and have a combined capacity of 10,000 pounds. Shipping weight, 35 pounds.

No. WI10 Weaver Safety Stands .....per pair $15 00

WEAVER GARAGE AND SHOP EQUIPMENT

WEAVER FORCING PRESSES

Hi-Speed Type



Regular Type

Hi Speed Type Forcing Presses. The new rack and pinion construction enables work requiring pressure up to 2,000 pounds to be handled with unusual speed. Also preferable for handling delicate work. Pressure up to 28 tons can instantly be exerted without moving the work. Screw always in direct contact with work. Pressure is quickly released. Easily moved about shop. Two pressure blocks, two vise blocks and two sections of 6-inch channel steel are regularly furnished with this press. Special attachments, including the Weaver Puller Clamp, Truing fixtures, Riveting Tool and Rear Axle Attachment, illustrated elsewhere on this page, at additional cost.

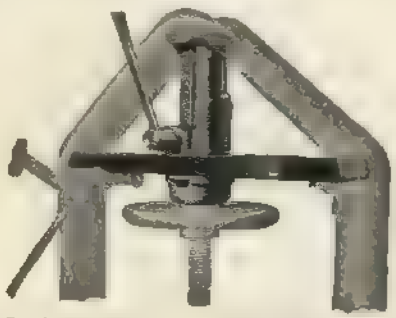
No. WD12. 32-inch width; 460 pounds..complete **$100 00**
No. WD13. 42-inch width; 545 pounds.. " **115 00**

Regular Type Forcing Presses. These presses are designed for straightening shafts or axles; pressing bearings or hubs in or out of wheels; forcing gear rings or bushings on or off, or many other such operations.

Two sections of 5-inch channel iron blocking 8 inches long; two extension arms to attach to either end of bolster and vise block is equipment furnished.

No. WD10. 32-inch width; 435 pounds..complete **$80 00**
No. WD11. 42-inch width; 520 pounds. " **95 00**

Note: In ordering it is necessary to specify which press, whether Hi-Speed or Regular, as well as size of press desired.



Weaver Rack and Pinion Attachment. For regular type forcing press. Adds to the Weaver presses now in service all the advantages of a speedy ram press for quickly handling work requiring great accuracy and comparatively light pressure (up to 2,000 pounds) at a fraction of the cost of a separate press. With this attachment any work requiring pressure from one pound to 28 tons can be handled to the best advantage without removing it once it has been placed properly in position under the screw.

No. WD27. Weaver Attachment for 32-inch press; 90 pounds .....complete **$32 00**
No. WD28. Weaver Attachment for 42-inch press; 110 pounds .....complete **$36 00**

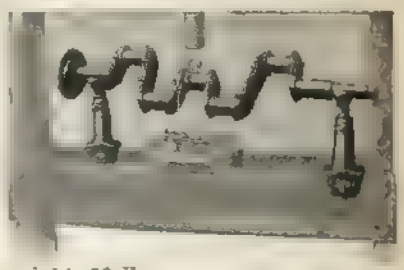
WEAVER FORCING PRESS ATTACHMENTS

For High-Speed and Regular Presses

Weaver Vertical Chuck. Designed to firmly support shafts, etc., in an upright position while pressing on and off sleeves, gears, etc. Note that as greater pressure is exerted, the tapering cones are wedged into the circular block, thus holding the shaft more tightly. Especially useful for pressing sleeves on Ford drive shafts and pinions on Ford and Chevrolet rear axles. Shipping weight, 17 lbs.

No. WD29 Weaver Chuck..each $8 00

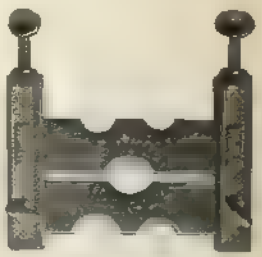
Weaver Truing Fixtures. Enable operator to test alignment of shafts, axles, etc., and straighten them on the same equipment without wasting time moving them. Fixtures can be set wherever desired on bolster. Height adjustable. Shipping weight, 10 lbs.



No. WD24 Weaver Truing Fixtures.....complete $10 00

Rear Axle Attachment

Puller Clamps



Weaver Rear Axle Attachment. Indispensable in the shop doing any amount of Ford repair work. The side rods are of [illegible] light rubber hose, 36 inches in length. Shipping weight, complete with face plate, 35 pounds; less face plate, [illegible] pounds.

No. WD20 Weaver Rear Axle Attachment complete **$9 00**
No. WD21 Less Face Plate ..... " **4 50**

Puller Clamps [illegible] set to securely clamp and support ball races or similar parts which can only be successfully supported by being securely clamped from the side.

No. WD22 Weaver Clamps, 9 in. plate 7 lbs each **$5 50**
No. WD23 Weaver Clamps, 16 in. plate 24 lbs " **9 50**

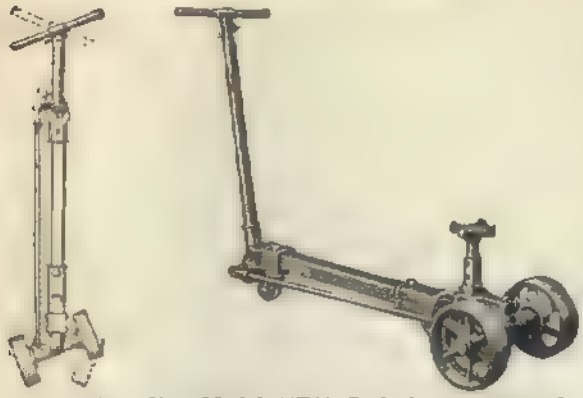
Weaver Ring Gear Riveting Tool. Designed for attaching to any Weaver Forcing Press for riveting ring gears. Rivets cannot get out of line when pressure is exerted.

No. WD25 Weaver Ring Gear Riveting Tool.....each $12 00

Balance attachments on next page.

WEAVER GARAGE AND SHOP EQUIPMENT

WEAVER NEW-WAY JACK



Weaver New-Way Model "B" Jack is an extremely compact, easily operated and efficient jack for lifting and transporting cars in the service station, repair shop or on the curb.

An important and exclusive feature lies in the fact that the wheels can be pivoted by turning the handle, as shown on left, enabling the operator to guide the jack quickly and accurately under the car in a limited space as well as guide the car while transporting it on the jack.

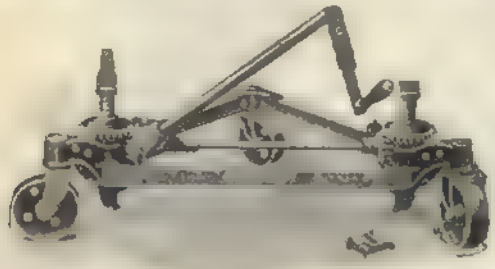
The telescoping standard provides a range of lift from 8 to 17½ inches.

Jack operates on ratchet principle and will lift burdens up to 5,000 pounds with ease. Load lowered quickly and easily by tripping latch under handle and reversing action of the handle.

No. WA16 New-Way Jack, metal wheels. Shipping weight, 100 pounds .....each **$36 00**

No. WA17 New-Way Jack, rubber tired. Shipping weight, 100 pounds.....each **$48 00**

WEAVER GARAGE SIZE AUTO TWIN JACK



Weaver Twin Jack. For handling complete and dismantled cars in the garage, repair shop, wash room, auto livery, etc., and unloading automobiles.

When applied to the car this jack takes up no more room than the car itself and thus it can be manipulated in a very limited space. With one of these jacks under each axle, the car can be pushed directly sideways or turned completely around within its own length.

Will fit both front and rear axles. Extension blocks, which will not interfere with truss rods, are furnished to reach unusually high axles.

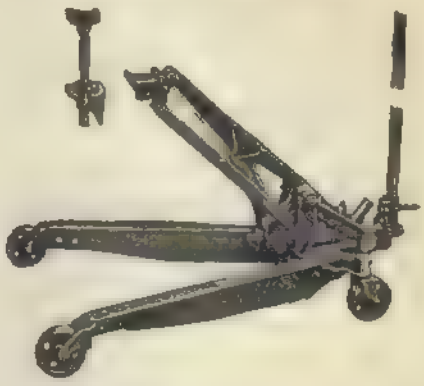
The dependable screw hoisting mechanism, broad base and two-point support provide a safe foundation.

Caster sockets equipped with two sets of steel balls and wheels with roller bearings. Extension crank handle makes it easy to place and hold jack in position while elevating screws. Capacity, 6,000 pounds.

No. WA12 Jack, metal wheels. Shipping weight, 100 pounds .....each **$24 00**

No. WA13 Jack, rubber tired..... " **36 00**

WEAVER HI-LIFT JACK



Weaver Hi-Lift Jack offers an extreme range of lift which enables the mechanic to work comfortably and efficiently under the car and is invaluable in handling countless jobs that come into the shop every day.

The saddle of the jack can be lowered to a minimum height of 6 inches and raised to a maximum of 33½ inches.

The extension screw standard gives an additional height of 7 inches and permits the lift to be applied to the frame bolster of the car in spite of low running boards, gas tanks, etc.

The saddle is always level, so there is no danger of the load sliding off.

The ball and roller bearing construction of the rear casters enables the operator to guide the jack into any desired position by the lever handle.

Jack is strongly built of steel and malleable iron. Lifting capacity, 8,000 pounds. **Maximum width, 40 in.;** ample to straddle the largest truck wheel and narrow enough to go between the front or rear wheels of any car.

No. WA18 Weaver Hi-Lift Jack. Shipping weight, 240 pounds .....each **$55 00**

WEAVER TRUCK WHEEL ATTACHMENT

Weaver Truck Wheel Attachment. For Weaver Hi-Lift Jack is supplied at a slight additional cost for removing and transporting truck wheels. The two clamps which grip the tire are adjustable to handle tires of any size. The attachment can be attached instantly without tools. Note ample space between arms to use wheel puller. Shipping weight, 32 pounds.

No. WA19 Truck Wheel Attachment.....each $10 00

John V. Farwell Company
CHICAGO

Wm. Rogers & Son

"THE BEST AT THE PRICE"

"Reinforced Plate," or an Extra Deposit of Silver, where the Most Wear Comes

MAYFAIR

Gray or Bright Finish

Heavy Plate

Dessert Forks, $7.20 doz.
Medium Forks, 7.80 ,,

Tea Spoons
$3.80 doz.

Dessert Spoons, $7.20 doz.
Table Spoons, 7.80 ,,

Triple Plate

Hollow Handles

Medium Knives or Forks	$22.50 doz.
Dessert Knives or Forks	21.00 ,,
Breakfast Knives	22.20 ,,

Packed 6 in lined box

Solid Handles

Medium Knives or Forks	$9.20 doz.
Dessert Knives	9.00 ,,
Breakfast Knives, Cimeter and Swaged	9.30 ,,

Illustrations actual size. Dessert Knives shown

H2

INTERNATIONAL SILVER CO.

Wm. Rogers & Son

"THE BEST AT THE PRICE"

MAYFAIR

Grey or Bright Finish

Flat Server
Each, $7.64

Gravy Ladle
Each $1.60
Cream Ladle
Each $1.20

Sugar Shell
Lined Box
Each $0.74
Bulk, each $0.60

Butter Knife
Lined Box
Each $0.78
Bulk, each, $0.64

Cold Meat Fork
Each $1.32

Berry Spoon
Each, $2.12

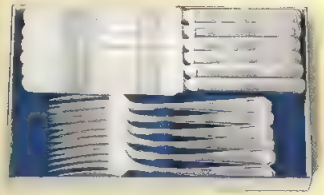
Orange Spoons, set of six $3.20

No. 707 Baby Set
Also No. 706
Flat Spoon and Fork Set
Per set $1.32

Individual Salad Forks, set of six, $5.00

Butter Spreaders, set of six, $4.46

No. 14 Child's Set $5.12



No. 500 Set
6 Medium Knives and 6 Medium Forks
In Blue Lined Gift Box $8.10

All fancy pieces are packed in Blue Lined Gift Boxes

Illustrations are sometimes not to scale

Wm. Rogers & Son

"THE BEST AT THE PRICE"

MAYFAIR

Gray or Bright Finish

No. 724 Gray and Gold Case
26 pieces, $17.30

The 26 piece set, the one best seller, in an entirely new style of case arranged for most effective display. The case is lined with Blue Sateen and Velvet and is covered with gray and gold embossing.

No. 724H Same with Hollow Handle Knives, $24.00

No. 752H "Elite" Service Case
26 pieces, $23.10

"Elite" Blue Case, Blue Sateen and Velvet lined, Telescope cover. Tray sets in the sideboard drawer.

No. 752 Same with Solid Handle Knives, $16.35

No. 748 Family Set, 49 pieces
$31.80

12 Tea Spoons	6 Individual Salad Forks
8 Dessert Spoons	1 Butter Knife
3 Table Spoons	1 Sugar Shell
6 Medium Forks	1 Tomato Server
6 Medium Knives Solid Handle	1 Cold Meat Fork
6 Butter Spreaders	

No. 748H Same with Hollow Handle Knives, $38.50

Contains the staple and fancy pieces most necessary for the small family. Serves as double purpose of a display tray from which single articles can be sold and a convenient receptacle for the entire assortment when sold as a whole.

Illustrations about one-third actual size

John V. Farwell Company
CHICAGO

Wm. Rogers & Son

"THE BEST AT THE PRICE"

Free Window Display Material

Strikingly effective with the attention getting figures featured in our national advertising color pages. This material will be sent free of charge with order for the necessary pieces shown as follows:

No. 41—41-Piece Display Selection

1 Berry Spoon	$2 12	1 Gravy Ladle	$1.60	1 26-Piece Set with Chest No. 752	$16 38	Total cost of 41-piece assortment to dealer $30 88 (.st)
6 Individual Salad Forks	5 00	1 Cold Meat Fork	1 32			
6 Butter Spreaders	3 46					

Wm. Rogers & Son Silverplate

Carries an unlimited guarantee of satisfactory service

The *popular priced* companion line of 1847 Rogers Bros. Nationally advertised in 5,000,000 homes

TWO MORE SPECIAL OFFERS

Child's Sets on Attractive Gift Cards in Colors

In any Wm. Rogers & Son pattern

No. 1C Flat Handle Knife, Fork and Spoon $2 12

No. 2C Solid Handle Knife, Flat Fork and Spoon 2 12

Six Assorted Baby Spoons on Easel Display Card in Colors

No. 41 Set $3 96

Subjects: Peter Rabbit Bo Peep Little Miss Muffett
Kitten Baby" Shield

INTERNATIONAL SILVER CO.

WM. ROGERS & SONS SILVERWARE

LA FRANCE PATTERN—GRAY FINISH

Tea Spoons—Full Size.

		Per Doz
No. L-2—Tea spoons; length 6 ins; wt per doz 11½ ozs		$6 00
No. L-3—Dessert spoons; length 7 ins; wt per doz 19 ozs		11 55
No. L-4—Table spoons; length 7½ ins; wt per doz 28 ozs		12 00

One doz in cardboard box.

ICE TEA SPOONS

	Per Doz
No. L-31—Length 7½ ins	$11 55

Half doz in cardboard box; wt per doz 2¼ lbs.

FORKS

Four tine flat handle.

	Per Doz
No. L-4F—Medium; length 7½ ins	$12 00
No. L-3F—Dessert; length 7 ins	11 55

One doz in cardboard box; wt per doz 24 ozs.

HOLLOW HANDLE KNIVES AND FORKS

Medium.

Straight blade knives, length 10 inches; four tine forks, length 7¾ inches.

	Per Doz
No. L-HK—Knives only; plated blades	$35 55
No. L-SHHK—Knives only; stainless steel blades	41 25
No. L-HF—Forks only	35 55

Breakfast.

Length 8¾ inches.

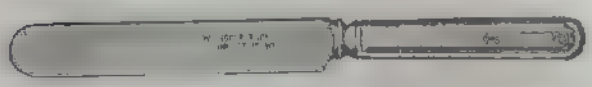
	Per Doz
No. L-BHK—Knives only; plated blades	$34 95

Dessert Forks.

	Per Doz
No. L-HDF—Forks only; length 7 ins	$34 65

Half doz in cardboard box; wt per doz about 2½ lbs.

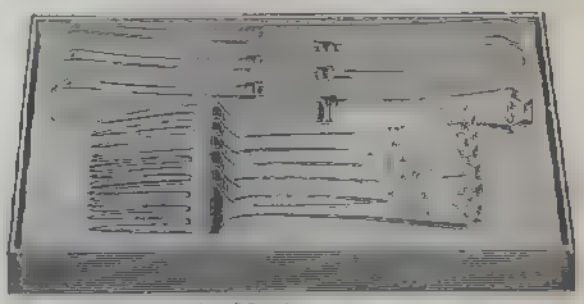
SOLID HANDLE KNIVES



	Per Doz
No. L-12K—Medium; length 10 ins; wt per doz 2 lbs	$14 55
No. L-12DK—Dessert; length 8⅝ ins; wt per doz 1½ lbs	14 25

Half doz in cardboard box.

HOLLOW HANDLE KNIVES AND FLAT FORK SETS



Medium.

Straight blade knives; length 10 inches; 4 tine forks; length 7¾ inches.

	Per Set
No. L-HK4F—Medium knives and forks in sets of 6	$24 00

One set in cardboard box; wt per set 2½ lbs

Breakfast.

Length blades 8¾ inches; 4 tine forks; length 7 inches.

	Per Set
No. L-BHK3F—Breakfast knives and forks in sets of 6	$23 55

One set in blue lined cardboard box; wt per set 2½ lbs.

EMBOSSED MEDIUM KNIVES AND FLAT HANDLE FORKS

Medium.

Straight blade knives; length 10 inches; 4 tine forks; length 7¾ inches.

	Per Set
No. L-12KF—Medium embossed knives and forks in set of 6	$14 70

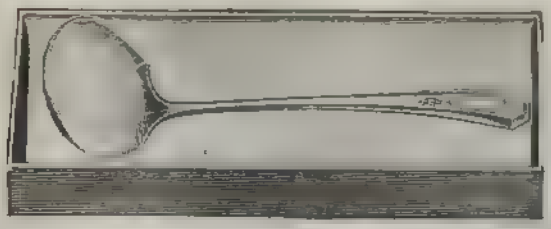
One set in blue lined cardboard box; wt per set 2½ lbs.

WM. ROGERS & SONS SILVERWARE

CORRECT SERVICE PIECES

LA FRANCE PATTERN—GRAY FINISH

LADLES



Each

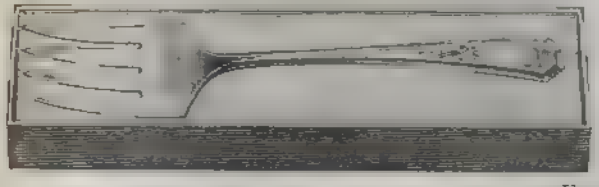
No. L-13 -Cream, length 5¾ ins. For serving salad dressing, whipped cream and pudding sauces; wt each 6 ozs $1 86

No. L-14—Gravy; length 7¼ ins. For deep dish serving, gravy, preserved fruits, sauces, etc; wt each 9 ozs 2 52

No. L-16—Medium Soup; length 11⅝ ins. For serving soups, crushed fruits, etc; wt each 16 ozs 6 63

One in blue lined box.

COLD MEAT FORKS

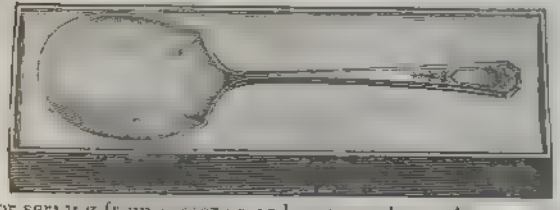


Each

No. L-17—Large; length 8½ ins $2 10

One in blue lined box; wt each 6 ozs

BERRY SPOONS



For serving from casserole or baking dishes. Also used with cold meat fork for salad serving. Each

No. L-20—Length 9 ins $3 30

One in blue lined cardboard box, wt each 7 ozs

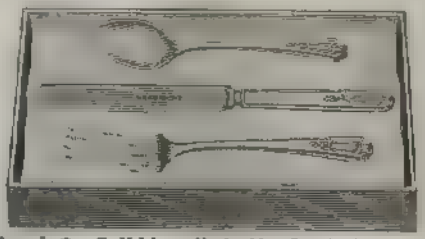
TOMATO SERVERS

For serving tomatoes, pineapple, cucumbers, poached or fried eggs, fritters, waffles, fish cakes, croquets, etc. Each

No. L-52—Length 7¼ ins. $3 30

One in blue lined box; wt each 4 ozs

CHILDS SETS



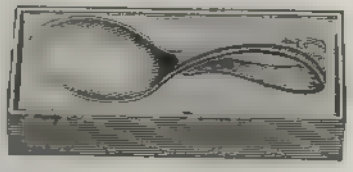
An appropriate gift for the child. Length knife 7¼ inches, fork 6¼ inches, spoon 5⅛ inches.

Per Set

No. L-2—Solid handle knife, flat fork and spoon $3 30

One set in blue lined box; wt per set 9 ozs.

BABY SPOONS



Especially designed to meet the requirements for bread, milk and cereal feasts.

Each

No. L-1—Length 3½ ins $1 05

One in blue lined box; wt each 2 ozs.

SUGAR SHELLS

Desirable for jam, jelly, marmalade, etc.

Each

No. L-4—Length 6 ins $1 17

One in blue lined box; wt each 4 ozs.

BUTTER KNIVES

Butter server, an attractive practicle gift. Each

No. L-7—Length 7¼ ins $1 20

One in blue lined box; wt each 4 ozs

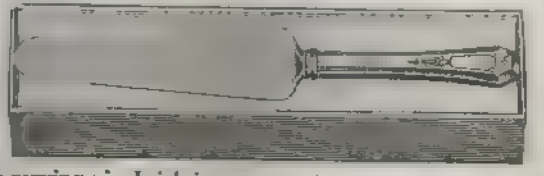
PICKLE FORKS

Long handle. For serving pickles, olives, relishes, etc. Each

No. L-23—Length 8¾ ins $1 89

One in blue lined box; wt each 2 ozs.

PIE SERVERS



For serving pie, brick ice cream, etc. Each

No. L-11—Hollow handle; length 10 ins $6 90

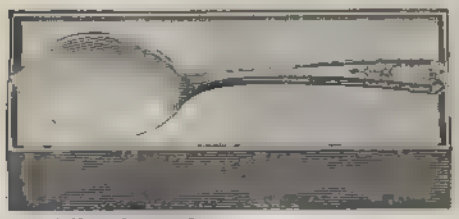
One in blue lined box; wt each 5 ozs

WM. ROGERS & SONS SILVERWARE

CORRECT SERVICE PRICES

LA FRANCE PATTERN—GRAY FINISH

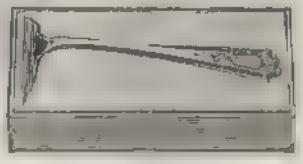
JELLY SERVERS



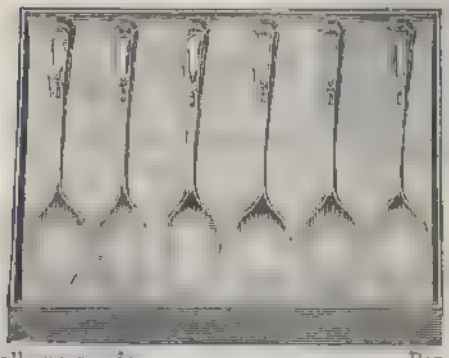
For serving jelly, cheese, honey, etc. Each
No. L-53—Length 6⅝ ins. $2 52
One in blue lined box; wt each 10 ozs

FOOD PUSHERS

Each
No. L-40—Length 8¾ ins. $1 05
One in blue lined box, wt each 2 ozs



COFFEE SPOONS



For small cup service. Per Set of Six
No. L-6—Length 4¼ ins. $3 24
Set of 6 in blue lined box; wt per set 12 ozs.

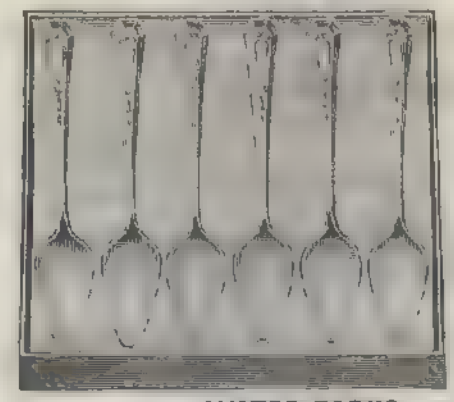
SOUP SPOONS

Per Set of Six
No. L-10—Length 7 ins. $6 45
Set of 6 in blue lined box; wt per set 16 ozs

BUTTER SPREADERS

Per Set of Six
No. L-22—Length 5¼ ins $7 02
Set of 6 in blue lined box; wt per set 14 ozs.

ORANGE SPOONS

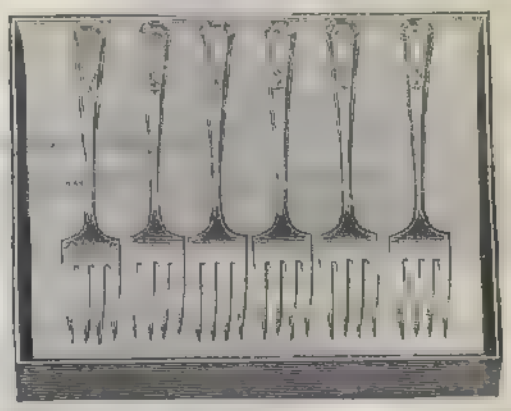


For oranges, grapefruit, melons, etc.
Per Set of Six
No. L-24—Length 6 ins. $5 04
Set of 6 in blue lined box; wt per set 12 ozs.

OYSTER FORKS

For oysters, clams, lobsters, shrimps, seafood, cocktails, etc.
Per Set of Six
No. L-25—Length 5¾ ins. $5 19
Set of 6 in blue lined box; wt per set 12 ozs

SALAD FORKS



For salads, french pastry, etc. Per Set of Six
No. L-28—Length 6 ins. $7 86
One set in blue lined box; wt per set 11 ozs.

BIRD CARVERS

Steak, fowl or breakfast service. Length knife 10¼ inches; length fork 8⅛ inches.
Per Set
No. L-90—Hollow and [illegible] steel blade $14 79
One set in blue lined box, wt per set 14 ozs

COMMUNITY PLATE

"The Tableware of Distinction"

The New HAMPTON COURT *Design*

29-Piece

26-Piece

PETIT BUFFETS IN "COMMUNITY BLUE"

Petit Buffets

29 PIECE PETIT BUFFETS

26 PIECE PETIT BUFFETS

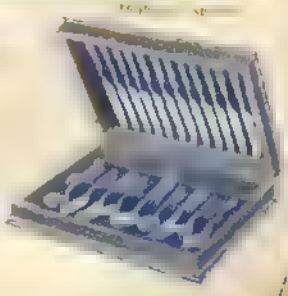
26 PIECE COURT CABINETS

29 PIECE COURT CABINETS

43 PIECE COURT CABINETS

56 PIECE COURT CABINETS

The Beautiful "Court Cabinets"



43-Piece Cabinet

26-Piece Cabinet

46-Piece Cabinets

1 Cold Meat Fork
1 Gravy Ladle
3 Table Spoons
6 Dinner Knives
1 Butter Kn
1 Sugar Spoon

COMMUNITY PLATE

50 YEAR REGISTERED TRADE MARK

	Dealer's Prices Subject to Regular Trade Discount	Prices to Consumers
SPOONS	Per Doz.	
	$ 9 00	

COMMUNITY PLATE

CORRECT SERVICE PIECES IN COMMUNITY BLUE VELVET BOXES

Baby Spoon (Bent Handle

Sugar Spoon

Cold Meat or Serving Fork
Small Cold Meat or Sardine Fork

Iced Tea or Iced Drink Spoons

Jelly Server

Pierced Round Server

Oyster or Seafood Forks

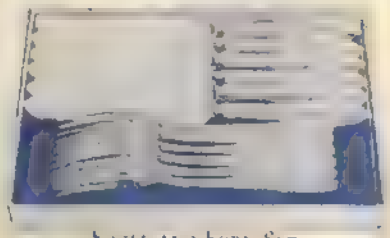
Individual Salad Forks

Individual Butter Spreaders

Small Steak or Game Set

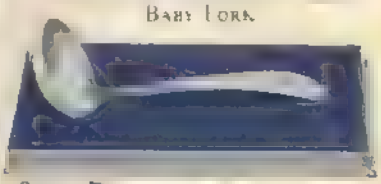
Bouillon or Consomme Spoons

Butter Knife



Knife and Fork Set

Baby Fork



Salad Dressing or Small Ladle
Serving or Gravy Ladle

Large Berry or Serving Spoon
Small Berry or Preserve Spoon

Pickle or Olive Fork

Child's Set (Fork, Spoon and H. H. Knife
Child's Set (Fork, Spoon and Flat Knife

Pierced Pastry Server

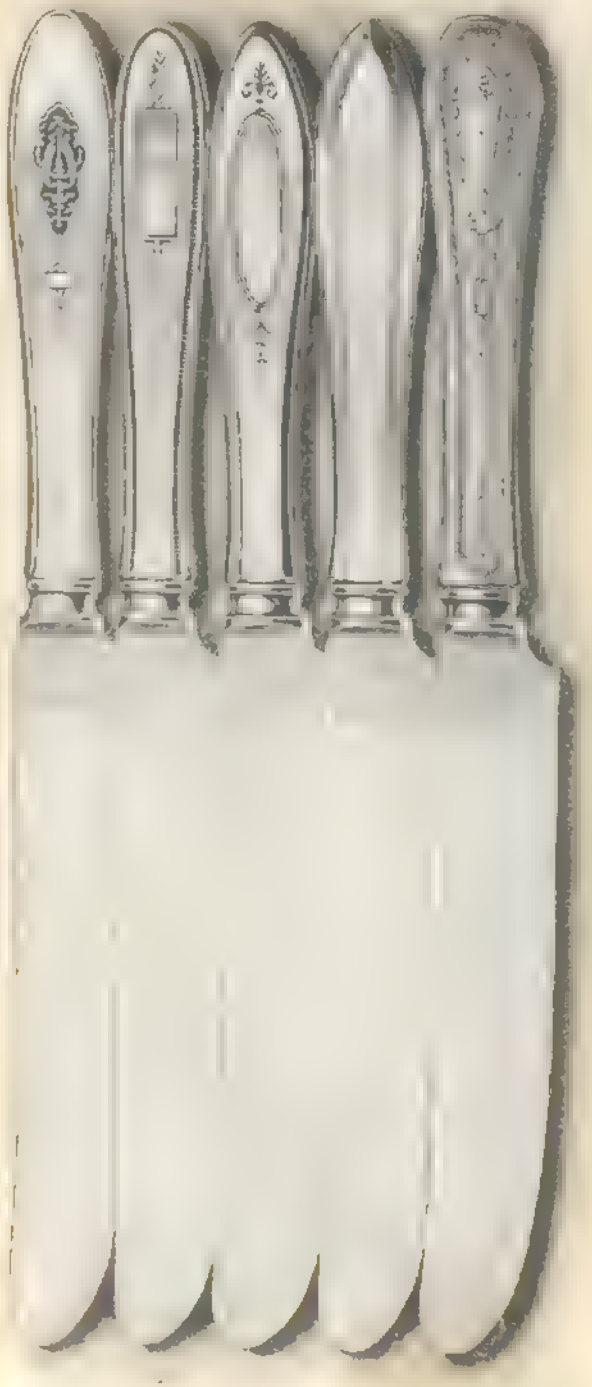
After Dinner Coffee Spoons
5 O'clock Tea or Sherbet Spoons

Orange or Grape Fruit Spoons

Olive or Salted Nut Spoon

COMMUNITY PLATE

FIFTY YEAR REPLACEMENT GUARANTEE



The "Stainless De Luxe"

WITH BLADES OF STEEL
THAT LOOK LIKE SILVER

HERE—at last—are knives it will pay to feature most aggressively. Stainless blades of rare beauty that gleam like polished silver—blades that have keener cutting edges—that are more impervious to rust, stains and tarnish—COMMUNITY DE LUXE.

Hence these stainless knives are *all-purpose* knives. They take the place of plated knives for breakfast and luncheon, and are ideal for dinner use when meat courses are served.

And the attractive silver finish is part of the steel blade itself. Its lustre never dims—even when sharpened.

COMMUNITY DELUXE STAINLESS KNIVES mark an advance over ordinary stainless knives as important as was stainless over the plated steel.

These are knives that women must have to complete their COMMUNITY PLATE sets—that they are insisting on as essential pieces of their sets.

DELUXE STAINLESS KNIVES

Dinner size, *per doz.*	$[illegible]	$[illegible]
Dessert size, *per doz.*	[illegible]	[illegible]

Furnished in all Community Patterns

At Last—a Perfect Blade for Every Purpose!

*KITCHEN CABINETS

RICHMOND

Special high grade finish all white enamel or all oak; first grade sliding porcelain top with smooth curved edge, no screws, best grade nickel trimmings; one piece three-ply entire back of top and entire back of base; entire bottom of cabinet three-ply one piece panel; all shelves three-ply and will not warp or split; three-ply panel doors and end panels in top and base; tilting metal flour bin, with detachable sifter and dust cap; glass tea and coffee jars four-piece glass spice set; removable aquarium style sugar jar, metal sugar scoop; nickel wire pan rack and sliding shelf; nickel jar and rolling pin rack, nickel wire spice jar rack, cutlery and linen drawers all metal bread and cake drawer with sliding metal lid; lip construction on all doors, drawers and bins; extract bottle rack; filing hooks, metal ticket and change trays; large pan compartment in base; base construction reinforced; heavy metal side brackets; dust proof disappearing drop roll curtain; reinforced glue joints; easy rolling casters; made of thoroughly seasoned and kiln dried hardwoods. Top packed in carton; base crated.

White Enamel, Metal Stationary Top

Standard tilting flour bin; metal sugar bin with scoop; wire pan rack; wire rack with rolling pin holder; wire sliding shelf; wood bread box

No. 790 Top 25x40 inches..... Each $37 00

White Enamel, Porcelain Stationary Top

Standard tilting flour bin metal sugar bin with scoop wire pan rack; wire rack with rolling pin holder; wire sliding shelf; wood bread box

No. 791—Top 25x41 inches.....Each $41.00

Oak, Nickeloid Top

Solid oak front and ends; wood bread box; wire pan rack; sliding wire shelf in utensil cupboard; box base construction not knocked down; with spice set; height 68 inches, depth 34 inches

No. 480—Top 25x41 inches . Each $39 50

Oak, Porcelain Top

Solid oak front and ends; wood bread box; wire pan rack; sliding wire shelf in utensil cupboard; box base construction not knocked down; with spice set; height 68 inches, depth 34 inches

No. 481—Top 25x41 inches..... Each $43 50

All bases are sanitary construction, one-piece bottom, dust and mouse proof

The cabinets, fitted with white porcelain tops, are manufactured by the Ingram Richardson Mfg. Company, and are the highest grade "Porceliron" brand. Each top is stamped "First Grade Top" and carries the manufacturers guarantee of satisfactory service There is no better porcelain top on the market Look for the manufacturers stamp—"First Grade Top"

*Not carried in stock; for factory shipment only.

*KITCHEN CABINETS

RICHMOND

Nos. 220 and 221

Oak, Nickeloid Top

Solid oak front and ends; wire pan rack; wire sliding shelf; metal bread box; handy filing hooks extract bottle rack, six-piece glass spice, tea and coffee set; ticket and change tray; large rack with rolling pin holder; daily reminder and popular recipes; box base construction, not knocked down. height 68 inches, depth 34 inches.

No. 220—Top 25x41 inches.....Each **$45 70**

Oak, Porcelain Top

Solid oak front and ends; wire pan rack; wire sliding shelf; metal bread box; handy filing hooks extract bottle rack; six-piece glass spice, tea and coffee set; ticket and punch tray; large rack with rolling pin holder; daily reminder and popular recipes; box base construction, not knocked down height 68 inches, depth 34 inches.

No. 221—Top 25x41 inches.....Each **$49.70**

Oak, Nickeloid Top

Standard tilting flour bin; metal sugar bin with scoop; wire pan rack; wire rack with rolling pin holder; wire sliding shelf; wood bread box

No. 700—Top 25x40 inches.....Each **$35.00**

Oak, Porcelain Top

Standard tilting flour bin; metal sugar bin with scoop; wire pan rack; wire rack with rolling pin holder; wire sliding shelf; wood bread box.

No. 701—Top 25x41 inches....Each **$40.00**

The cabinets fitted with white porcelain tops are the highest grade "Porceliron" brand.

Look for the manufacturers' stamp —"First Grade Top"

Nos. 700 and 701

*Not carried in stock; for factory shipment only.

*KITCHEN CABINETS

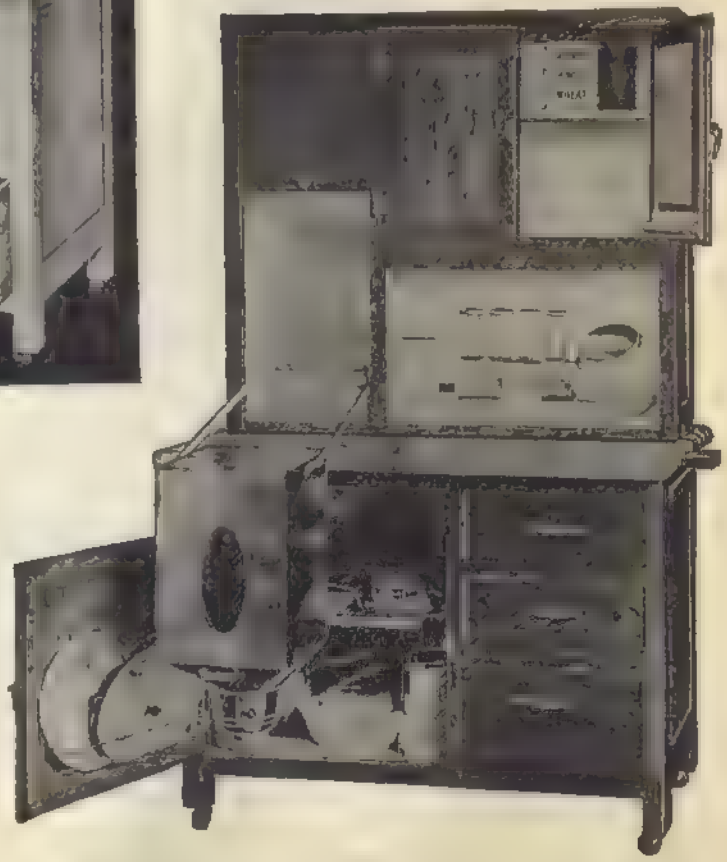
RICHMOND

No. 262

White Enamel, Porcelain Top

Height 68 inches; wire pan rack; sliding shelf, metal bread box; filing hooks; essence rack; glass spice set; ticket and change tray; large rack with rolling pin holder; daily reminder and popular recipes.

No. 262—Top 25x41 inches . Each $57 50



No. 261

Oak, Porcelain Top

Height 68 inches; wire pan rack; wire sliding shelf; cutting board with wire support; metal bread box; handy filing hooks; extract bottle rack; spice tea and coffee set; ticket and change tray; large rack with rolling pin holder; daily reminder and popular recipes; food chopper bracket; glass front flour bin, which lowers to level of work table for easy filling; full roll curtain over flour bin

No. 261—Top 25x41 inches.....Each $53 50

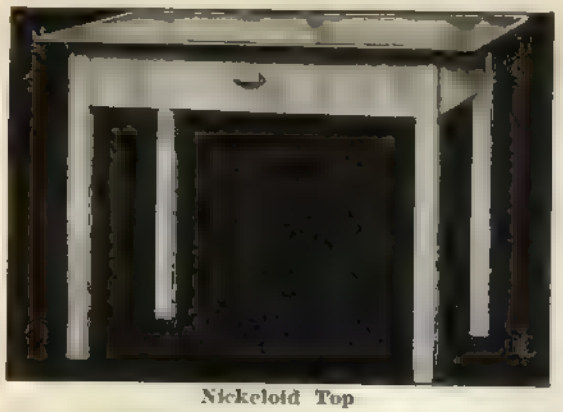
All bases are sanitary construction, one-piece bottom, dust and mouse proof

The cabinets fitted with white porcelain tops, are manufactured by the Ingram Richardson Mfg Company and are the highest grade 'Porceliron' brand. Each top is stamped 'First Grade Top' and carries the manufacturers guarantee of satisfactory service. There is no better porcelain top on the market Look for the manufacturers stamp—"First Grade Top."

*Not carried in stock; for factory shipment only.

*KITCHEN TABLES

WHITE PORCELAIN SANITARY TOPS



Nickeloid Top

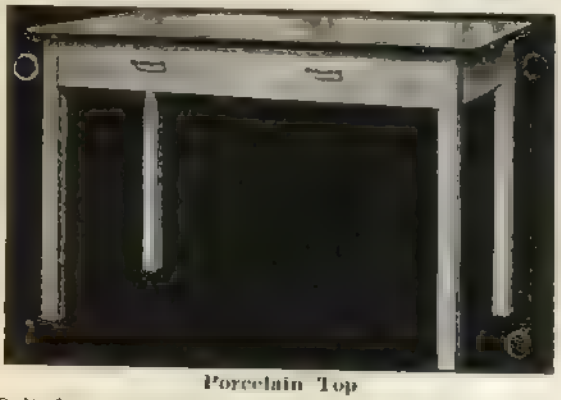
Bolted construction; 3-ply drawer bottoms, "Kasterslides" on legs; one drawer white enameled

No. 6—Top 25x40 inches shipping weight 40 pounds. .....Each $10.00

Porcelain Top

Bolted construction, 3 ply drawer bottoms, "Kasterslides" on legs, one drawer, white enameled

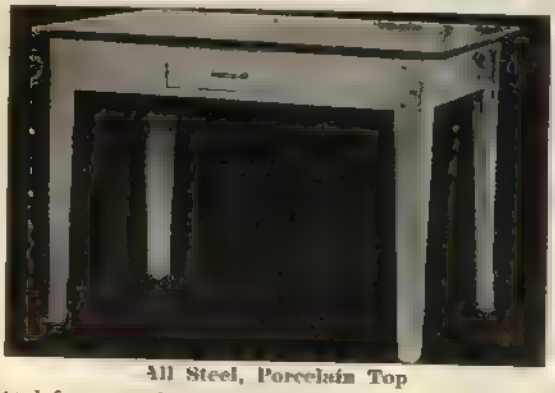
No. 8—Top 25x41 inches, shipping weight 45 pounds. .....Each 8.....



Porcelain Top

Bolted construction, 3-ply drawer bottoms; "Kasterslides" on legs; two drawers white enameled

No. 12—Top 25x48 inches; shipping weight 55 pounds . Each $18 00



All Steel, Porcelain Top

Steel frame and tapered legs; white enameled; "Easy" slides pressed into bottoms of legs, hardwood cutlery drawer, 3 ply bottom

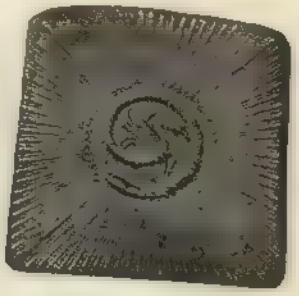
***No. 14**—Top 25x41 inches Shipping weight 45 pounds . . . . .Each $14.00

All above, one in a crate, knocked down.

CHAIR SEATS

FIBRE

Ball Top Shape



Local Shape

"Afisco"

Regular weight fibre seat, known throughout the trade as the best chair seat made; produced from selected fibre seat board; shellaced on both sides; sizes embossed on back. Colors, tan (brown) and black.

Size, inches.....		12	13	14	15	16
Ball Top....	Per Dozen	$1.20	1.30	1.50	1.70	2.00
Local ..	Per Dozen	1 20	1 30	1 50	1 70	2 00
Round	Per Dozen	1 20	1 30	1 50	1 70	2 00
Square ..	Per Dozen	1 20	1 30	1 50	1.70	2 00

One dozen in a bundle.

"Dragon"

Extra heavy duplex; best grade; made from specially thick and durable material; everlastingly strong, superior to wood seats; leather-like finish on both sides; waterproof process; sides embossed on back. Colors, tan (brown) and black

Size, inches.....		12	13	14	15	16
Ball Top.	Per Dozen	$1.20	1.30	1.50	1.70	2 00
Local .....Per Dozen		1.20	1.30	1.50	1.70	2.00
Round .....Per Dozen		1.20	1.30	1.50	1.70	2.00
Square .....Per Dozen		1.20	1.30	1.50	1.70	2.00

One dozen in a bundle.

ICE CREAM FREEZERS

WASHINGTON

Better Cream, Less Time, Less Work

The Washington freezer's greatest characteristics are perfect simplicity of construction, ease of operation and the "one motion" required to work it. The dasher has two rows of leaves on opposite sides of the stem, and set at right angles to them are four arms carrying two hardwood scrapers. Each turn of the crank gives the cream four distinct motions, mixing it perfectly and leaving no soft spots or hard lumps when frozen. All gearing is encased in a box-like frame. Guaranteed to be the simplest and most durable cream freezer

Quarts	Weight Each, Lbs.	Each	Quarts	Weight Each Lbs	Each
1	7	$2 70	6	19	$ 5 80
2	10	3 15	8	30	7 60
3	14	3 80	10	33	10.00
4	16	4.65	12	45	12.50

Open stock

*Not carried in stock; for factory shipment only.

Westclox

Big Ben *(left)*—Seven inches tall, 4⅜-inch dial, 4⅝-inch back bell, dust-proof, nickeled case, runs 32 hours. Detachable spring barrels. Steady or repeat alarm.

Big Ben Luminous *(below)*—Broad, distinctive hands, numerals specially designed and coated with radium compound that glows in the dark. Otherwise Big Ben.

Baby Ben *(above)*—Case heavily nickel-plated. Height over all 3¾ inches, depth 1½ inches. 2½ inch dial. 32-hour movement. Alarm—steady or intermittent.

Baby Ben Luminous—Baby Ben with night dial. Radium-luminous compound on numerals and hands guarantees a glow for years. Twelve in carton, 11 lbs.

Westclox

Sleep-Meter *(right)*—Five inches tall, seamless nickeled case, 3½-inch Arabic dial. 3½-inch back gong, 32-hour movement, steady alarm. 12 packed 19¼ lbs.

Jack o'Lantern *(below)*—Except for hands and dial the description of Sleep-Meter fits Jack o'Lantern. Hands and dial numerals coated with radium compound.

Pocket Ben *(above)*—16-size, nickel silver case, heavily nickel-plated. 30-hour movement, stem wind and set, detachable mainspring barrel. Twelve packed weigh 3 lbs.

Glo-Ben—Same as Pocket Ben except numerals and hands which are coated with radium compound that glows in the dark and lasts for years.

Westclox

Lookout *(right)*—6¼ inches high, top bell, shut-off, polished nickel case, 4 inch back, dial 2½ inches. 30-hour movement. Steady alarm. 12 weigh 13½ lbs.

Bunkie *(below)*—Height, 6 inches, seamless nickeled case, 4 inch dial, 4 inch gong. 30-hour movement. Intermittent alarm, shut-off. Twelve ready to ship, 24½ lbs.

Ironclad *(above)*—Five inch cast-iron case, 2⅜-inch Arabic dial. 30-hour movement. Steady, long alarm, shut-off switch. Weight, 2¾ lbs. 12 weigh 33½ lbs.

Packing—Each Westclox comes securely packed in an attractive individual box; 12 boxes enclosed in a strong fibre carton and sealed.

Westclox

America *(left)*—6¼ inches high. Highly nickeled case, 3⅜-inch Arabic dial, 2¼-inch top bell, steady alarm. 32-hour movement. 12 weigh 14 lbs.

Black Bird *(below)*—Six inches tall, double dome top bell, brass case, heavily nickeled; 30-hour movement, dial numerals and hands coated with radium compound.

Blue Bird *(above)*—Height, 6 inches, double dome bell, nickeled case, highly polished. 3½-inch Arabic dial. 30-hour movement. Steady alarm. 12 packed weigh 14¾ lbs.

Selling Helps—Neat, colorful posters to attract attention to your Westclox display will be furnished free on request.

Now is the time to Buy Your Radio Set

Satisfied with the Airline

We are in receipt of your letter stating that your Radio Receiving Set is still giving entire satisfaction. We have been operating this set for a period of 18 months and it has given very little trouble during that time.

We have had Lightning storms in this section of the country and the set has withstood them very well.

Yours truly,

Saved $50 at Ward's

Gentlemen:

I bought a Radio Receiving Set from you last year and saved $50 by buying from Ward's. I have had no trouble with it and it has given me perfect satisfaction.

Yours truly,

TO BE without Radio NOW is depriving yourself and family of the benefits of the most wonderful discoveries that science has given to mankind. Anyone anywhere can enjoy radio without fee or license, and without any great expense for equipment. It requires no particular knowledge or skill. Radio brings into even the most isolated homes a wealth of information, instruction and entertainment that no other invention has made possible.

Radio has been highly perfected. A good Radio Receiving Set, bought from a reputable maker, is as safe an investment today as an automobile. The principle and design of the present day radio receiving set is well established. Millions of dollars have been invested in broadcasting stations, designed especially to work with present day radio equipment. Present day radio receiving sets will be standard for many years to come.

Free Service

Our Experts Will Help You Gladly-Any Time

C. J. MANNING
Manager Radio Service Department.

ANY time you want to ask any questions about radio, just write us a letter, address it to "Radio Department" and send it to whichever of our seven big stores is nearest to you. We have radio experts at each place and will be very glad to help you and you will receive a prompt reply. We want you to feel free to write us whenever and as often as you please. You do not have to be the owner of an Airline set to get this service-it is free to all.

Sometimes a little advice, which our radio experts will cheerfully give at any time, may save you a lot of trouble. Do not hesitate to ask us any questions you wish. With every radio set we give an instruction book which explains every detail of the installation and operation. Our sets are especially designed to be easy to install and operate. No knowledge of radio or mechanical devices is necessary. Ward's Airline Receiving Sets will be found entirely reliable, complete and satisfactory in every way as you can buy at any price. They will cover distance as great, give as modern volume, clearness and selectivity and look as attractive in your home as most of the sets selling for double Ward's prices. Ward's radio equipments is the result of many years of experience in the radio field and the business built by Montgomery Ward has justly merited the confidence built in business for over 53 years.

C. J. MANNING.

How to Select the Airline Set Best Suited to Your Needs

Airline Radio Sets are of two general kinds: those that operate from the electric light socket and those using batteries. There are advantages to both these systems and by having a set using more than one kind, it pays to have a storage battery set, as it gives the most consistent good service. Where no facilities are at hand for charging a storage battery, dry cell sets can be used and will give splendid results. So far as clearness and distance are concerned, the results are about equal to those using storage battery sets. The storage battery outfits, however, give more volume and selectivity. Therefore, if you have no electricity and no battery you can use a battery charging station at a garage or automobile service station when necessary at small expense.

If you live in the country or a small town and are not near a big broadcasting station close by to interfere, you can get splendid results and cover great distance with any of our Airline Radio Sets. If you live close to a big broadcasting station, say within 15 or 20 miles, you will need a very selective set, such as our Airline Conqueror or Airline Explorer. These sets are made to tune through interference and bring in the stations that you want to hear, even when the nearby station is broadcasting. All Airline sets are guaranteed to bring in local broadcasting stations on the broadcasting wave. The following outline describes our different sets briefly, giving the characteristics of each.

Four Guaranteed Sets to Choose from All Fully Described in This Catalogue

Airline Junior. Uses our tube and head phones with dry cell equipment only. Covers moderate distances and gives good volume on stations up to 500 miles distant. Under favorable conditions, stations at much greater distances will be heard very clearly. A fine set to begin with and a favorite in thousands of homes. It is very easy to operate, can be used as a portable set and is sold at a low price. Same stations will always be found at the same dial setting on this set. See Page 494 for particulars.

New Airline De Luxe. Uses 7 tubes. Furnished with either dry cell or storage battery equipment. This set was especially designed by us for use on farms and in small towns, where there is no serious interference from nearby broadcasting stations. Gives remarkably fine tone and great volume. We do not know of any radio set better adapted for use in country homes. Tone quality is full and natural. Has three tuned stages of radio frequency amplification. With this set, under favorable conditions, you should hear all of the big broadcasting stations on the country, many on the loud speaker. See Page 492 and 493.

Airline Explorer. Uses 5 tubes and storage battery. Not adapted for dry cell use. This set is very selective and will give remarkable results anywhere. Gives clear tone and great volume. If you like to hear distant stations and the same station will always be found at the same dial setting. See Page 491.

Airline Conqueror. Our finest 7 tube set with the new simplified single dial control. Has the most powerful and selective radio frequency and receives way the finest radio set we can sell you. Furnished with either storage battery or dry cell equipment. No matter where you live this set will give you all the results you could expect from any set made. Fully described and illustrated in folders on the back cover of this catalogue.

This Guarantee Given With Every Airline Set

Airline Radio Sets Are Sold On 30 Days Trial

Radio equipment which gives satisfactory service over a 30-day trial will continue to do so indefinitely. Ward's liberal radio guarantee gives you an opportunity to try any of Ward's Airline Receiving Sets in your own home for 30 days.

Airline Radio Set Guarantee

We guarantee every Airline Radio Receiving Set to cover distances as great, give as much volume, clearness and selectivity, and give service as reliable and satisfactory as any similar radio receiving set manufactured or sold. We allow you 30 days in which to make this test and decide whether or not you wish to keep the set. If you do not wish to keep the set we will refund all you have paid, including transportation charges.

Satisfaction Guaranteed or Your Money Back

Radio Benefits

What Radio Brings Into Your Home

What You Can Hear

8:45 A.M. Cue for shipments and the weather report. Also market quotations. Time signals with early stock and grain quotations.
9:45 A.M. The weather forecast. Butter and egg market.
10:45 A.M. Latest market quotations. On Sundays the sermons from various churches.
12:30 P.M. The weather forecast repeated. Market quotations.
1:45 P.M. Markets and the weather report.
3:00 P.M. Music and good features. Butter, egg, poultry and cream markets. Club work for girls.
7:30 P.M. Musical entertainment.
8:00 P.M. Dinner music. News and market bulletins.
8:45 P.M. Bedtime stories.
9:00 P.M. to 1:00 A.M. Lectures, speeches, grand opera, news bulletins, band music, orchestrations, plays, etc.

THE Radio Program given above is an example of what you can hear over the radio almost any day. Clean, wholesome entertainment and important information is now broadcast daily from over 500 powerful broadcasting stations. What a relief! Receiving Sets can be tuned to the character of music you prefer to hear. You can select the program that suits you best. Instead of paying for a ticket to the theatre to remember the "movies" you want to hear the same stars in the real live at any time in the future.

Think of being able to tune in the latest stock and grain quotations every morning long before they'll hearing the voice of the broadcaster who'll tell you the price of rising corn or a big speedway or baseball or football game play by play direct from the field.

Radio fans who own one can hear these and many more interesting things as clearly as though they were in your own room. On Sundays when the weather prevents you from going to church, you can tune in the sermon you may prefer to any one of the city churches. Then there are the concerts, operas, band, singers, speakers and every whole theatre plus a hundred times as much direct from the big theatres.

For those who are crippled or ill, radio opens up a new world of information and entertainment. Wm. M. Jardine, Secretary of Agriculture, says: "The importance of radio on the farm can not be overstated. The farmer's receiving set is a new investment and efficient means of promptly acquiring information regarding the weather, crop conditions, market news and numerous other facts of value in his work, as well as a source of entertainment."

Long Distance 5-Tube Set "Airline Explorer"

Greatest Radio Value Offered Anywhere

Very Selective—Easy to Tune

LONG DISTANCE extreme selectivity, outstanding volume and brilliant clear tone quality with reproducing range unlimited, distinctive appearance all in such amazing low price make the Airline Explorer an outstanding radio value. Never before has a radio set combining all these features been offered at such a low price. By careful design, improved construction and the correct use of the best radio principles, we have produced a receiver that is a true musical instrument and a most dependable performer. Only at Ward's can you get such a Guaranteed quality radio set at prices so low

The Best 3-Dial Control Set We Could Build

We have spent months planning these attractive models for you. We have searched wide and far for the most outstanding quality improvements. Judge for yourself—you Airline Explorer is unsurpassed for [illegible] as much. If it is not equal to or better than any other radio set of this type, regardless of price, you may return it and all the money you have paid, including transportation charges, both ways, will be refunded to you.

Walnut Finish Cabinet Built in Speaker

The various Explorers is mounted in a good looking walnut finished cabinet [illegible] by 16 inches high. Space is provided in cabinet [illegible] with compartment doors. [illegible] Beautiful walnut finished [illegible] and speaker [illegible] [illegible] [illegible]

$15.00 Down $17.50 A Month

New Airline DeLuxe

Our Best 3-Tube Radio Set Built Especially For the Farmer

Very Easy to Operate Stations Already Recorded

$72.00 Cash Price

Complete with All Equipment

Nothing Extra to Buy

EVERY farm home needs a good radio set. The new Airline De Luxe, which now contains the latest development of the radio industry, is a regenerative, non-interfering set combining great distance, volume, tone quality, simplicity of installation and tuning, and handsome appearance with low price and small operating cost. It is the most economical radio set we have ever had to offer. Will give very good results during the daytime for reception of market and weather reports and covers extremely long distances at night.

It is made to give exceptional results when used where large broadcasting stations are many miles away, and where ability to get distance and volume is especially important. Under these conditions it will give results equal to the larger and much more expensive sets used in cities like Chicago and New York.

Easy to Install
No Experience Needed

No mechanical or electrical experience is needed to install the Airline De Luxe. The entire installation can be made in about an hour. No soldered connections to make—the only tools you need are a screw driver and a pair of pliers. Simply read and follow the simple but complete directions. All battery wires are connected to the set before you receive it—all you have to do is erect your antenna in some convenient and proper location, attach your batteries to plainly marked wires, insert the tubes, turn the dials and immediately you are enjoying radio programs.

Thousands of Satisfied Users

In thousands of farm homes the Airline De Luxe is now giving valuable service. Bringing in market reports and weather reports and general news bulletins during the daytime and entertainment and educational features in the evening.

[illegible] clearer sound and than any radio set you ever heard, if you do not think it is the biggest 3-tube radio value ever offered, return it and the money you have paid, including transportation charges, will be refunded.

Beautiful Walnut Finish Cabinets

The De Luxe set is mounted in a beautiful ornamental Walnut finished cabinet which holds all dry cells and "B" batteries. All wire connections are made through the back of the cabinet—no wires or loose ends showing. Compact and attractive—no useless floor space required as with many other radio sets.

The particular model pictured at the left has a built in Airline Loud Speaker of the same guaranteed construction and design as the Airline Loud Speakers shown on page 497.

Prices with Built in Loud Speaker

163 C 154 Walnut Cabinet, Loud Speaker Type [illegible] Without Batteries, Tubes and Antenna Material. Delivery weight, 175 Pounds.

Cash Price $82.00
Easy Payment Price $85.00

163 C 155

Less Price $52.00
Easy Payment Price $55.00

Cash Price $72.00
Easy Payment Price $75.00

163 C 153 Loud Speaker Type [illegible] Without Batteries, Tubes, Cabinet, Head phones and Antenna Material. Delivery weight, 75 Pounds.

Cash Price $32.00
Easy Payment Price $35.00

Wilsnut Built In Loud Speaker

The Airline De Luxe [illegible] shown at the left is exclusive [illegible] not have the built in loud speaker you buy this set complete with equipment, [illegible] or see Page 497. If you have your own loud speaker [illegible] connect to the set instead of the Airline Junior, [illegible] or speaker as shown below. This set is also mounted [illegible] dry cell model both "A" and "B" batteries may be contained. All wire connections are made through back of the set, no wires or loose ends exposed. Walnut finished, 12 inches high by 10 inches deep by 8½ inches long.

Storage Battery Equipment Recommended

Read this Letter

[illegible] have heard 100 different stations [illegible]

[illegible] Pennsylvania

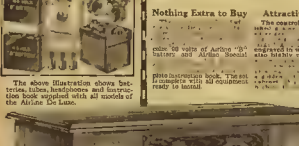
Nothing Extra to Buy

Attractive Control Panel

The control panel is finished in polished [illegible] engraved in white enamel. Knobs are also highly polished with [illegible]

High Grade Equipment

The above illustration shows batteries, tubes, headphones and instruction book supplied with all models of the Airline De Luxe.



Complete

$69.00

Cash Price

Tubes, Batteries, Head Phones and Antenna Material Not Included

Delivery Weight, 175 Pounds

Cash Price $72.00
Easy Payment Price $75.00

Cash Price $32.00
Easy Payment Price $35.00

Cash Price $39.00
Easy Payment Price $42.00

Cash Price $22.00
Easy Payment Price $25.00

Cash Price $7.00
Easy Payment Price $10

Beautiful Airline Furniture Models

$15.00 Down and $17.50 Month

Practical - Convenient - Ornamental

ALL Airline Radio Receiving Sets are enclosed in ornamental cabinets that add much to the appearance of the home. This is particularly so with these beautiful Airline furniture models. All batteries are contained in special compartments within the cabinets. All wire connections are made at the back where they cannot be seen. There is nothing to mar the beauty of these models. They are not only useful, but ornamental as well.

Airline De Luxe Writing Desk Model

$128.00 Cash Price Complete

Nothing Extra to Buy

The Most Convenient Mounting for a Radio Set We Have Ever Seen

Use Easy Payment Order Blank No 1 on Page 697

Closed View of Desk Model Airline De Luxe

Radio Receiving Set

Big, Roomy Desk

Plenty of space for books or radio working materials and other things usually kept in a desk. Also has compartment for head phones, radio program, etc.

Choice of Three Finishes

This handsome Desk is finished in the popular two tone effect in genuine Walnut or genuine Mahogany veneers, or genuine Adam Brown Mahogany, rubbed to a beautiful finish. Select the finish that matches the furnishings of your home.

Airline De Luxe Antenna Equipment

All equipment necessary for the erection of an efficient outdoor antenna. See full description of the Airline De Luxe shown on this and the following page. Equipment pictured at the right includes 100 feet of 7-strand antenna wire, 2 lightning arresters, 2 ground clamps, 2 insulators, 2 lead-in tubes, 2 lead-in wires, 2 screw eyes, 2 screws, 2 nuts and 2 washers.

Airline De Luxe With Radio Console

163C167 — Easy Payment Price $ 88.85 — 163C166—Storage B... $ 83.85 — Cash Price $ 77.85

163C162—Dry Cell Type Set and Table without tubes, batteries, loud speaker or antenna equipment. Shipping weight, 150 lbs. — Cash Price $ 98.85 — Easy Payment Price $ 92.85

Airline De Luxe With Separate Loud Speaker

$92.85 Cash Price

Use Easy Payment Order Blank No 1 on Page 697

Console with All Equipment

163C172 — Cash Price $139.85 — Time Payment Price $ 86.85

163C173—Dry Cell Type Set and Table without tubes, batteries, loud speaker or antenna equipment. Shipping weight, 175 lbs. — Cash Price $ 98.85 — Time Payment Price $ 92.85

163C174 — Cash Price $139.85 — Time Payment Price $ 86.85 — 100.00

The Airline De Luxe set and radio console table as shown above. Space in cabinet for all batteries. Loud speaker extra.

163C171—Storage Battery Type without batteries, tubes, loud speaker or antenna equipment. Shipping weight, 200 lbs. — Cash Price $ 89.85 — Time Payment Price $ 83.85

163C170 — Cash Price $ 83.85 — Time Payment Price $ 77.85

163C173 — Cash Price $ 83.85 — Time Payment Price $ 77.85

161C172 — Cash Price $ 71.85 — Time Payment Price $ 66.85

Estimated Total Freight Charges on Airline De Luxe Radio Sets

Weight	Zone 1	Zone 2	Zone 3	Zone 4
50 pounds	$ .55	$ .88	$1.15	$1.42
60 pounds	.60	.96	1.25	1.54
70 pounds	.65	1.04	1.35	1.66
80 pounds	.70	1.12	1.45	1.78
90 pounds	.75	1.20	1.55	1.90
100 pounds	.80	1.28	1.65	2.02
110 pounds	.85	1.36	1.75	2.14
120 pounds	.90	1.44	1.85	2.26
130 pounds	.95	1.52	1.95	2.38
140 pounds	1.00	1.60	2.05	2.50
Mail Rate	.55	.88	1.15	1.42

Our Finest 5-Tube Set Shown in Colors on the Back Cover of This Catalogue

The Airline Conqueror

Our finest Radio Receiving Set. Five tubes and one per dial, to tune. It is described and illustrated in colors on the back cover of this catalogue. The model shown here is mounted in the most beautifully finished console cabinet that we could build. It is an exceptionally fine piece of furniture and a set worthy of any room in any home. You can use this set on Easy Payments, and as we do with our radio sets, try it in your own home for 30 days.

What the Airline Trade Mark Means to You

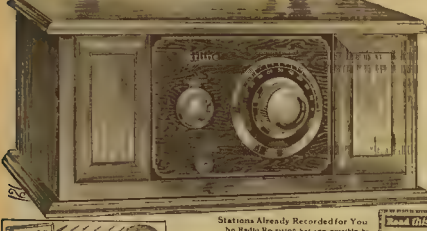
High Quality, Guaranteed Performance

THE Airline Trade Mark is your guarantee of the highest quality of performance and radio satisfaction that it is placed on the many sets and parts that have passed the most rigid laboratory tests to prove that it has proved by actual performances, to be of the highest standard of quality and for all Ward's merchandise. In building radio sets we have profited by the results of years of research and experimentation with radio sets designed and built for Ward's. We offer you the benefit of this knowledge in the high quality of Ward's radio sets and equipment. The Airline trade mark on radio merchandise means finer appearance, better performance and greater all around radio satisfaction than you can possibly get elsewhere at any price.

Our unusual 30-Day Trial Offer protects you and is evidence of our confidence in the high quality of Ward's radio sets and equipment. The Airline trade mark on radio merchandise means finer appearance, better performance and greater all around radio satisfaction than you can possibly get elsewhere at any price.

Lend This Catalogue to Your Neighbors

Airline 1-Tube Junior Set — Single Dial Control



$19.95 Complete With All Equipment Nothing Extra to Buy

A LONG DISTANCE one tube Airline Radio Receiving Set that will give excellent results. It combines handsome appearance, natural tone, low power use, small operating cost with extreme simplicity and within the cabinet it makes an ideal set for portable use. Take it with you on your auto or camping trip. It can be set up quickly. Just [illegible] pump or run it into a lake or stream, plug in the head phones and [illegible]. A splendid gift, and an exceptionally fine set for vacations or [illegible].

Radio and atmospheric conditions permitting the Airline Junior will receive from stations up to 1,000 miles distant.

Anyone Can Install It—No Experience Needed

We include with all Airline radio sets complete instructions plainly worded so anyone can understand them. In about an hour's time with the aid of our [illegible] and a pair of pliers, you can complete the entire installation. The battery wires are all connected to the set, when you receive it—all you need do is connect the aerial and ground wires to the plainly marked batteries and insert the tube. Then plug in the headphones and [illegible]. That's all there is to [illegible] operation. Nothing could be more simple. You can start enjoying broadcast programs the very first evening.

Programs Clear and Loud on Head Phones

If you do not feel that you can afford one of the larger Airline Radio Sets, there is no need to miss the benefits and pleasures of radio. The Airline Junior will bring them to you, no matter where you live. It requires the use of head phones and we include one set of Airline Special head phones, but two or more pairs may be used at the same time if desired. The programs are [illegible] over the telephone. If, later you wish to use a loud speaker, you may install a Airline [illegible] Amplifier.

All Equipment You Need Is Included with the Airline Junior

Nothing Extra to Buy

Stations Already Recorded for You

No Radio Receiving Set can possibly be easier to operate than the Airline Junior. All tuning has already been done for you and all morning only ONE dial you select the station you desire. Your receiving set we furnish includes list of all stations, showing the wave lengths on which they broadcast. There is also a chart showing the actual dial settings required to tune in each wave-length.

If you see in your local paper that a certain station will broadcast a program at 8 o'clock on a 400-meter wavelength, refer to your chart, turn the dial setting required for 400 meters, set your dial at that point and the station will come in strong and clear.

Beautiful Walnut Cabinet

The handsome Walnut [illegible] set is designed to [illegible] [illegible] [illegible]

New Cars and Models

Jewett Announces New Smaller Six Chassis

Two Door Sedan With Hydraulic Brakes Lists at $995

THE Paige Detroit Motor Car Co., announce a new light six automobile in the smaller, lower priced edition of the present chassis bearing that name. One style, a steel two-door sedan offered either with standard or de luxe equipment — will be the first model available on the New-Day Jewett as the latest addition to the line is known. It is planned to have a touring car and another closed model ready for presentation at the Shows.

Listing at $995, the standard sedan becomes the lowest priced car of its type embodying hydraulic four wheel brakes as regular equipment. In the de luxe style, the price of the special sedan is $1,095. The engine is of four bearing L-head type having a 2¾ by 4¾ in. bore and stroke. Remy electrical equipment and a Johnson carburetor are fitted. A single dry plate clutch and three speed gearset in unit with the engine are connected with the semi-floating rear axle by two metal universal joints and a tubular propellor shaft. A standard gear ratio of 4.90 together with 29 by 4.75 in. balloon tires allows a maximum speed of nearly 60 m.p.h. The wheelbase is given as 109 in.

While the general layout of the new car has not departed from standard practice and also follows closely the design and appearance of the larger Jewett, it was developed to be adaptable to present-day driving conditions, especially in regards to high performance in congested city traffic. On the road the car demonstrated its easy handling and liberal reserve of power, the "get-away" or rate of acceleration and the effective braking were found to be unusual for a car of this type.

Murray Steel Bodies

By the use of steel bodies, products of the Murray Body Corp., the cross dimensions of the corner pillars, door posts and window frames have been considerably reduced, permitting of a wider and almost unobstructed range of vision. This type of construction together with a shorter overall length of the engine, allows an unusually roomy body to be fitted on the new chassis. While there is a difference of 6 in. between the wheelbase of the New-Day Jewett and its larger brother, it is surprising to note that the interior dimensions of the two-door sedans on both chassis are identical in every respect.

An unusual amount of development work has been undertaken by the Paige engineers in perfecting the new model, a fleet of which have been undergoing severe road testing for several months before being put into quantity production. In addition, the larger Jewett and the Paige car will continue to be part of the dealer's line.

The engine is especially built for the new car by Continental Motors Corp. With an N. A. C. C. horsepower rating of 18.15, a piston displacement of 169 cu. in., the new six develops 40 b. hp. at 2,400 r.p.m. while the maximum torque is 99 ft. lbs. at 800 r.p.m.

Power plant suspension is at four points through a spring pressing against its flat side.

The fan and water pump are combined in through a Bendix layout. On account of moving the flywheel housing to accommodate the rear engine support a slight departure

has been made from the standard S.A.E. method of mounting and a special armature shaft approximately 1 in. longer is necessary. A spring coupling provides the drive from the chain sprocket to the third brush type generator, the latter being carried on the separate support casting upon which the distributor is located. The ignition unit is provided with automatic spark advance and operated by spiral gears connected with the generator drive. Both the coil and the cut-out are mounted on the top of the generator close to the distributor, all four units being readily accessible. Manufacturer's model designation of the electrical units follow:

Generator	943-A	Distributor	537-A
Starter	711-E	Coil	525-A

High tension leads to the A-C make of ⅞ in. spark plugs are conducted through insulated brackets. A 5 amp. 25 volt fuse protects the generator field circuit while the lighting system is provided with a 20 amp. 25 volt fuse. Headlamps are of Corcoran manufacture and 6-8 single contact bulbs are used all round.

Rockford Plate Clutch

A single dry plate clutch of Rockford manufacture, model 9-HH, is employed. Four 90 deg. segments of friction material are applied to each face of the disk, the dimensions of the material being 8⅞ in. O. D., 5¾ in. I. D., by ⅛ in. thick. Throw-out bearing is of Nice make and oiled by pressure gun through a nipple in the throw-out sleeve.

The transmission is a product of the Warner Gear Co. and known as model T-68A. Annular single row ball bearings carry the main shaft while the lower shaft and spigot bearings are phosphor-bronze bushings. Gear ratios are:

Low	3.07 to 1	Reverse	4.00 to 1
Second	1.77 to 1	High	1.00 to 1

Except for minor changes the leverages on the transmission brakes are the same as those on the larger car, the dimensions of the drum being 6 in. diameter by 2 in. wide.

Two metal universal joints and a tubular propellor shaft, all of Mechanics Machine Co. make, transmit the power to the model No. 1593-E Salisbury semi-floating rear axle. Propulsion and torque is taken through the underslung springs while the axle housing is of pressed steel. The pinion is straddle mounted being carried at the front on a double row ball bearing and at the rear on an annular ball bearing while at the wheel ends of the 1 1/32 in. diameter axle shafts Bower roller bearings are used. The differential is supported on Timken roller bearings. Standard gear reduction is 4.9 to 1, the ring gear having 49 teeth and the pinion 10.

Front axle is also of Salisbury make, model 1592 and of reverse Elliott type. Ball bearings similar to those on the larger cars are employed at the knuckle joints while the king bolts are ¾ in. diameter. Bower inner and outer wheel bearings are employed. The worm and sector steering gear of Gemmer make, model No. 70, is equipped with a ratio of 10 to 1.

Coincidental Lock

A 17 in. diameter steering wheel is locked by a plunger located at the point where the post is secured to the dash. By depressing the plunger the ignition is also automatically shut-off.

The hydraulic four wheel braking system is virtually the same as that employed on the heavier Jewett except for the method of conducting the fluid to the rear wheels. Instead of the customary rubber hose leading to the cylinders at each of the rear wheels, only one flexible connection is employed. On the left side a hose of the usual type connects with a "T" joint placed just above the spring pad on the axle and from this point the fluid passes through a short copper tube to the left operating cylinder. For the other wheel, fluid is led from the remaining outlet of the "T" by copper tubing passing along and secured to the axle housing, connection being made directly with the right operating cylinder. This arrangement besides making for a simpler hook-up prevents the possibility of damage to one less flexible connection between the frame and the axles. All four brake bands are interchangeable and contract over 12 in. diameter drums. The width of the lining is 1½ in. and the thickness 3/16 in. Dimensions of the springs are the same as those on the larger car, the sizes on the front being 36 by 2 in. wide and on the rear 54 by 2 in. wide. All shackle bolts are ⅝ in. diameter except the front bolt of the rear spring which is ¾ in. diameter. The depth of the side channels of the straight tapered frame is 5½ in. pressed from stock ⅛ in. thick.

On the standard model 4 in. Jaxon rims carrying 29 by 4.75 tires are fitted to 12 spoke artillery wheels. Tuarc disk wheels are supplied on the special sedan. Chassis lubrication is by the Zerk pressure oil gun.

In addition to the usual instruments on the dash the following items are included as regular equipment. Dash gasoline gage, cowl ventilator, sun visor, coincidental lock and windshield wiper. De luxe models also have nickeled radiator shell, front bumper, quarter rear bumpers, combination tail and

(Concluded on page 71)

Elliott steering heads. The front wheels are mounted on taper roller bearings.

Sixteen inch three shoe Bendix-Perrot brakes are carried on all four wheels, the effective surface of each brake, being 98 sq. in. The brakes are equalized in pairs. While the brake pedal applies the brakes on all four wheels, the brake lever, applies only the rear brakes, through a special equalizing mechanism.

Steering is by a Locomobile Ross cam-and-trunnion type steering gear, operated by means of an all wood hand wheel. Provisions are made whereby any looseness at the upper end of the steering column can be readily taken up.

A combined dash and instrument board construction is used similar to that much seen on European chassis and which is very handy where custom-built bodies are to be fitted. A cast aluminum supporting bracket is fastened to each side frame, and to these brackets are secured the plate aluminum (3/16 in.) dash and the cast aluminum instrument base. Thus all instruments can be mounted and all connections made before the body is put on.

The balloon tires are of the 33 x 6.75 in. size and are fitted to Firestone collapsible rims on artillery wood wheels.

The open models have hand-buffed leather upholstery and Pantasote tops while the closed models are all trimmed in broadcloth.

All bodies are of composite construction, with ash frames and sheet aluminum paneling. All doors are of the flush type, in both the open and closed types. All bodies were designed at the Locomobile plant.

One feature of the closed models is the windshield, which is divided along the vertical center line so as to make virtually two individual shields. Very light tongue and grooved frames of bronze are used for the glasses, so as to detract as little as possible from the field of vision.

On the closed models, instead of having the conventional vizor in front of the windshield, a movable vizor is provided back of the shield. This rolls up like a curtain when it is not needed, and a patent has been applied for on it.

All interior body hardware is of locomobile design.

General Motors Acquire Vauxhall Motors

Alfred P. Sloan, president of General Motors Corp., has announced that merger negotiations between his company and Vauxhall Motors, Ltd., of Luton, England, have been consummated through the approval of stockholders, and that the number of directors has been increased from four to seven, the three additional representing General Motors.

The New-Day Jewett

(Concluded from page 58)

stop light, automatic windshield wiper and shock absorbers all around.

Both front and rear seats are very low and when not required, the right forward seat folds completely under the dash. Doors are unusually wide making it possible for those in the rear to leave the car without disturbing those in front. The windshield is of the one piece type swinging from the top. Standard color for both closed cars is two-tone Killarney Grey lacquer.

New Eight-in-Line Elcar Model

The Elcar Motor Co., Elkhart, Ind., announces a new Eight-in-line for the New York and Chicago shows. The new model will be powered with a Lycoming engine of the same stroke as the present eight, but with smaller bore. The wheelbase is exceptional—124 in.—and the price in all probability will be lower than that of any eight of similar specifications.

New G. M. C. Car to be a Six

The General Motors Car, soon to be produced by the Oakland Motor Car Co. as an addition to the line and a companion to the Oakland Six, will have a six-cylinder engine. It is rumored the new car will be the lowest priced six-cylinder car in the General Motors line.

Locomobile Adds Jr. Eight Coupe

Locomobile Co. of America announces the addition of a coupe to the junior eight line. The new model, which was in production last month, will have extra wide straight seat inside and a rumble seat in the rear deck for two passengers.

New Landau Sedan by Oakland

The Oakland Motor Car Co. now has in production a new style Landau sedan with larger body, wider rear seat, larger rear quarter windows, new colors and many other refinements, the price remaining unchanged at $1295.

Correction

In the September issue the statement was made the Durant Star Salesmen's Course cost $10. The cost is $1.

Two New Devices Added to Chrysler

Two new devices, a fumer and a manifold heater, to facilitate starting in very cold weather, are now fitted on all six cylinder cars shipped from the factory of the Chrysler Corp.

These developments in combination bring the engine performance in winter up to practically the same standards of operation as during the summer months.

The primer or fumer is of simple construction, consisting of a double heating element and asbestos blocks enclosed in a brass sleeve. At the bottom of the sleeve there are two openings into which the gasoline is admitted. On the top is a perforated grid through which the gasoline fumes escape after contact with the heating element and from here escape to the body of the carburetor. The unit is placed in a well at the bottom of the carburetor.

Briefly, the action is as follows: When cranking the engine with the choke closed, there is a considerable amount of gasoline drawn from the carburetor jet. The suction at low temperatures, however, is insufficient to lift it up into the combustion chamber. Therefore, the gasoline drains back into the well in which the fumer is placed and fills it up to about half the height of the heating element. At this level the heating of the gasoline is most rapid, and a drain hole is provided to prevent its filling any higher. To give the heating element time to heat and vaporize the mixture gradually, the unit is so constructed that the gasoline attains its maximum level slowly. The fumer is operated by means of a switch on the instrument board.

The other device for heating the incoming gases consists of a valve controlling the flow of heat from the exhaust manifold to a jacket surrounding the intake manifold, providing a rapid, uniform heating of the mixture. A control on the instrument board operates the valve.

A New Studebaker

Studebaker is now in production on a 120 in. wheelbase Big Six chassis model which is offered in three five-passenger body styles: A sport phaeton listing at $1575; a club coupe at $1750 and a sedan at $1995. In addition, all Studebaker models now are fitted with oil filters and air cleansers as regular equipment.

The new 120 in. Big Six is exactly the same as the 127-in. wheelbase model, which is continued without change, except that it has 32 x 7.30 in. tires and a rear axle reduction ratio of 4 8/13 to 1.

Bodies on the short wheelbase Big Six are all finished in lacquer with the closed models upholstered in fabric and the open in leather. All three body models have artillery wheels, shock absorbers, automatic windshield wipers, sun visors, cowl ventilators, rear view mirrors, rear traffic signals, dash gasoline gages, cowl lamps, clocks, and locks on ignition, steering gear and spare tire. In addition, the closed models have smoking sets and door locks, and the club coupe has a trunk rack.

A five-passenger sedan model listing at $1395 has been added to the Standard Six line and the Berline body type on this chassis has been discontinued.

Gardner Adds Foursome Roadster

A new body model known as the Foursome Roadster mounted on the eight-in-line chassis has just been added to its line by The Gardner Motor Co., Inc., St. Louis, Mo. This new roadster has a two-tone exterior finish, nickeled radiator, large nickel trimmed lamps, cowl lamps and five Disteel wheels. A new touch is found in the steering wheel which can be adjusted to fit the individual driver. The top can be let down or completely removed if desired. Both the main seat and the rumble seat are upholstered in machine buffed Spanish leather in a color to harmonize with the body finish. Just back of the main seat is a handy compartment for tools, golf balls and other paraphernalia needed on short trips. All instruments, including gasoline gauge, and heat indicator, are grouped under a single glass panel on the dash, and indirectly lighted.

Additional items included as standard equipment are five full-size balloon tires, shock absorbers, bumpers front and rear, rear vision mirror, automatic windshield wiper, automatic stop light, and cover for spare tire. The new model lists at $1,995 f. o. b. the factory.

New Seat Feature in Kissel Car

The Kissel Motor Car Co. is presenting a new feature in the two-door closed type of car—sliding front seats, which makes entrance and exit to the rear portion of the car more accessible. The driver's seat can be readily adjusted for any distance from the steering wheel and pedals.

Diana Adds 7 Passenger Sedan

A seven-passenger sedan finished in Brewster green Duco below the belt and black above, has been added to the Diana line. The body is mounted on 135-in. wheelbase chassis with special springs. The price is $2695.

Due now to the great and increasing popularity of the new 90-degree Cadillac, as well as the lower Cadillac prices, the legitimate market for Cadillac is very greatly enlarged.

Therefore, there now exists a very real business opportunity for a dealer to sell Cadillacs in many cases where it never existed before.

You may be interested—and you may be rightly situated. If you feel that you are, write us fully. Your letter will be held confidential.

CADILLAC MOTOR CAR COMPANY, DETROIT
DIVISION OF GENERAL MOTORS CORPORATION

New 90 Degree

CADILLAC

BILLINGS AND SPENCER DROP-FORGED WRENCHES

B. & S. WRENCH SET

No. 5 Wrench Set. Hexagon head cap screw and U. S. standard nut sizes

Wrench No.	Hex. Head Cap Screw	U. S. Stand. Nuts	Milled Openings, Inches	Length Inches	Thickness Head Inches	Black, Each
1109	1/4	1/4	7/16–1/2	5	9/16	$0 50
1112	5/16	5/16	1/2–19/32	5	9/16	50
1118X	3/8	3/8	17/32–11/16	6	11/32	62
1120X	7/16	7/16	5/8–39/32	6 3/4	5/8	74
1126	1/2	1/2	3/4–7/8	8	7/16	90
1134	5/8	5/8	7/8–1 1/16	10	29/32	1 36
1139	3/4	3/4	1–1 1/4	11 1/2	19/32	1 92
No. 5 Wrench Set. Black, in Canvas Case					per set	7 29

B. & S. UNIVERSAL AUTOMOTIVE WRENCH SET

No. 23 Universal Automotive Wrench Set. Consists of eight double end 15° wrenches with 16 different openings to fit practically all bolts, nuts, cap screws, etc. on automobiles. In canvas bag

No.	U. S. S. Bolt Size	Hex. Head Cap Screw Size	S. A. E. Stand. Screw and Nuts	Milled Openings, Inches	Black, Each
1100	1/4–	1/8–3/16		5/16–3/8	$0 34
1107	5/16–1/4	5/16	5/16	13/32–1/2	42
1110		1/4–3/8	1/4–3/8	7/16–9/16	50
1118	5/16–3/8			13/32–11/16	62
1120		7/16–1/2	7/16–1/2	5/8–3/4	74
1129	7/16–9/16			25/32–31/32	1 10
1130	1/2	9/16–5/8	9/16	13/16–7/8	90
1132X		3/4	5/8–1 1/16	15/16–1	1 10
No. 23 Wrench Set. Black, in Canvas Case				per set	6 62

B. & S. WRENCH SET

No. 8½ Wrench Set. S. A. E. Standard

No.	Size Screw Head and Nut	Milled Openings, Inches	Length, Inches	Black Each
1104	1/4	3/8–7/16	11/2	$0 42
1111	5/16–3/8	1/2–9/16	5	50
1119X	7/16	5/8–11/16	6 3/4	74
1126	1/2	3/4–7/8	8	90
1136X	5/8–3/4	15/16–1 1/16	10	1 36
No. 8½ Wrench Set in Canvas Case			per set	4 47

B. & S. WRENCH DISPLAY SALES-BOARD

No. 10 Wrench Display Sales-Board. Contains 3 each of wrenches listed below. Size of board 32x9½ inches

Engineers' Wrenches, 15° Angle, Double Head

No.	U. S. S. Bolt Size	Hex. Head Cap Screw Size	Size Screw Head and Nut	Milled Openings, Inches	Black, Each
1107	5/16–1/4	–5/16	–5/16	13/32–1/2	$0 42
1109	–1/4	1/4–5/16	1/4–5/16	7/16–1/2	50
1111	1/4–	5/16–3/8	5/16–3/8	1/2–9/16	50
1112	1/4–5/16	5/16–	5/16–	1/2–19/32	50
1116		3/8–7/16	3/8–7/16	9/16–5/8	62
1118	5/16–3/8			19/32–11/16	62
1123	3/8–7/16			11/16–25/32	74
1126	–1/2	1/2–5/8	1/2–9/16	3/4–15/16	90

Light Service "S" Wrenches

2000		3/16–1/4	–1/4	3/8–7/16	$0 54
2007	3	7/16	7/16	1/2–9/16	68
2017	7/16	7/16	7/16	5/8–11/16	86
2025		1/2–9/16	1/2–	3/4–13/16	1 10
No. 10 Sales-Board, Black Wrenches				complete	23 94

BILLINGS AND SPENCER DROP-FORGED WRENCHES

B. & S. WRENCH DISPLAY SALES-BOARD

No. 8 Wrench Display Sales-Board. Carries a miscellaneous line of wrenches suitable for use on agricultural machinery, automobiles, etc. Consists of 4 of each of the following wrenches, 80 in all. Shipping weight, 71 pounds. Size of board, 46x10⅞ inches.

Engineers' Wrenches, 15° Angle, Double Head

No.	U. S. S. Bolt Size	Hex. Head Cap Screw Size	Size Screw S. A. E. Head and Nut	Milled Openings, Inches	Black, Each
1107	5/16-1/4	-5/16	-5/16	15/32-1/2	$ 42
1109	-	1/4-5/16	1/4-5/16	7/16-1/2	50
1111	5/16-5/8	5/16-3/8	1/2-9/16	1/2-9/16	50
1112	1/4-5/16	5/16-	5/16	1/2-9/32	50
1117		3/8-1/2	3/8-1/2	9/16-3/4	74
1118	5/16-3/8			13/32-11/16	62
1121		7/16-9/16	7/16-	5/8-13/16	90
1123X			1/2	11/16-3/4	74
1128	7/16-1/2	-5/8	9/16	25/32-7/8	90
1136	9/16-5/8		3/4	31/32-1 1/16	1 36

Textile Wrenches—22½° Angle, Double Head

1557		1/4-5/16	1/4-5/16	7/16-1/2	$0	50
1559	1/4-5/16		5/16	1/2-19/32		62
1562		3/8-7/16	3/8-7/16	9/16-5/8		62
1566	3/8-7/16			1 1/16-25/32		80
1568		1/2-9/16	1/2	3/4-13/16		80

Light Service "S" Wrenches

2000		1/4	1/4	3/8-7/16	$0	54
2007		5/16-3/8	5/16-3/8	1/2-9/16		68
2017		7/16	7/16-	5/8-11/16		86
2025		1/2-9/16	1/2-	3/4-13/16	1	10
2035		5/8-	9/16-5/8	7/8-15/16	1	40

No. 8 Sales-Board, Black Wrenches ... complete $60 40

B. & S. WRENCH DISPLAY SALES-BOARD

No. 3 Wrench Display Sales-Board. Contains 6 of each size wrench, or a total of 210 wrenches. Shipping weight, 189 lbs. Size of Board, height, 6 feet 8 inches; width, 11 inches.

Thin Head Check Nut Wrenches—15° Angle, Double Head

No.	U. S. S. Bolt Size	Hex. Head Cap Screw Size	Size Screw S. A. E. Head and Nut	Milled Openings, Inches	Length, Inches	Black, Each
1325	3/8-1/4	-1/4	3/8-7/16	4½	$0	50
1326	1/4-5/16	1/4-5/16	7/16-1/2	4½		50
1327	5/16-3/8	5/16-3/8	1/2-9/16	4½		50
1328	3/8-7/16	3/8-7/16	9/16-5/8	5½		64
1330	1/2-5/8	1/2-9/16	3/4-7/8	7		80

Light Service "S" Wrenches

2000	3/16-1/4	-1/4	3/8-7/16	6¼		54
2001	3/16-5/16	-5/16	3/8-1/2	6¼		54
2007	5/16-3/8	5/16-3/8	1/2-9/16	7⅛		68
2013	3/8-	3/8-	9/16-11/16	8¼		86
2017	7/16-	7/16-	5/8-11/16	8¼		86
2025	1/2-9/16	1/2-	3/4-13/16	9¼	1	10
2026	1/2-5/8	1/2-9/16	3/4-7/8	9¼	1	10
2035	5/8-3/4	9/16-11/16	7/8-1	10⅜	1	40

Engineers' Wrenches 15° Angle, Double Head

No.	U. S. S. Bolt Size	Hex. Head Cap Sc. Size	Size Screw S. A. E. Head and Nut	Milled Openings, Inches	Length, Inches	Black Each
1101	1/8-3/16			5/32-3/32	4	$0 34
1105		3/16-7/32		3/8-1/2	4½	42
1107	5/16-1/4			13/32-1/2	4½	42
1109	1/4-5/16	1/4-9/16		7/16-1½	5	50
1111	5/16-3/8	5/16-3/8		1/2-9/16	5	50
1112	1/4-5/16			1/2-9/32	5	50
1116	3/8-7/16	3/8-7/16		9/16-5/8	6	62
1117	3/8-1/2	3/8-1/2		9/16-3/4	6	74
1118	5/16-3/8			9/32-11/16	6	62
1118X	3/8-	3/8-		9/16-11/16	6	62
1120	7/16-1/2	7/16-1/2		5/8-3/4	6¾	74
1120X	7/16-	7/16		5/8-25/32	6¾	74
1123	3/8-7/16			11/16-25/32	6¾	74
1125	1/2-9/16	1/2		3/4-3/16	8	90
1126	1/2-5/8	1/2-9/16		3/4-7/8	8	90
1128	7/16-1/2			25/32-7/8	8	90
1132X		5/16-11/16		5/16-1	9	10
1133	5/8-3/4	9/16-11/16		7/8-1	9	1 10
1134	1/2-5/8	9/16-3/4		7/8x1 1/16	10	1 36
1136	9/16-5/8	-3/4		31/32-1 1/16	10	1 36
1139	3/4-1	11/16-7/8		1-1¼	11½	1 92
1140	5/8-3/4	3/4-7/8		1 1/16-1 1/4	11½	1 92

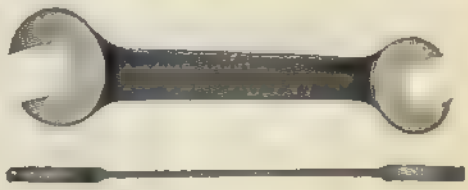
No. 3 Sales-Board, Black Wrenches ... complete $173 88

BILLINGS AND SPENCER DROP-FORGED WRENCHES

15° DOUBLE HEAD WRENCHES

No.	U. S. S. Bolt Size	Hex Head Cap Screw Size	S. A. E. Standard Screw and Nut	Milled Opening, Inches	Length, Inches	Black Finish, Each
1100A				1/4-5/16	3 1/2	$0 32
1100		1/8-3/16		5/16-3/8	4	34
1101	1/8-3/16			5/16-13/32	4	34
1102		1/8-1/4		5/16-3/8	4	42
1103	1/8-1/4			3/8-1/2	4 1/2	42
1104	3/16-1/4	3/16-1/4	3/8-7/16	3/8-1/2	4 1/2	42
1105	3/16-5/16	3/16-5/16	3/8-1/2	3/8-1/2	4 1/2	42
1106	3/16-5/16	3/16-5/16	3/8-7/16	3/8-1/2	4 1/2	50
1107	3/16-1/4		7/16-1/2	7/16-1/2	4 1/2	42
1108	3/16-5/16			13/32-1/2	5	50
1109		1/4-7/16	1/4-5/16	7/16-1/2	5	50
1110		1/4-5/16		7/16-9/16	5	50
1111		5/16-3/8	7/16-3/8	7/16-9/16	5	50
1112	1/4-5/16			1/2-9/32	5	50
1113		5/16-7/16	5/16-7/16	1/2-5/8	5	62
1114	1/4-3/8			1/2-11/16	6	62
1116		3/8-7/16	3/8-7/16	9/16-5/8	6	62
1117		3/8-1/2	3/8-1/2	9/16-3/4	6	74
1118X			3/8	9/16-11/16	6	62
1118	5/16-3/8			9/32-11/16	6	62
1119	5/16-7/16			9/32-1/2	6 3/4	74
1119X			7/16	7/16-31/64	6 3/4	74
1120		7/16-1/2	7/16-9/16	7/16-3/4	6 3/4	74
1120X			7/16	7/16-3/4	6 3/4	74
1121		7/16-9/16		7/16-31/64	6 3/4	90
1122		7/16-5/8	7/16-9/16	7/16-5/8	6 3/4	90
1123X			1/2	11/16-3/4	6 3/4	74
1123	3/8-7/16			11/16-29/32	6 3/4	74
1124	3/8-1/2			11/16-7/8	8	90
1125		1/2-9/16		3/4-13/16	8	90
1126		1/2-5/8	1/2-9/16	3/4-7/8	8	90
1128	7/16-1/2			3/4-7/8	8	90
1129	7/16-9/16			7/8-31/32	9	1 10
1130		9/16-5/8		7/8-1	9	90
1131		9/16-3/4		3/4-1	9	1 10
1132	1/2-9/16			7/8-31/32	9	1 10
1132X			5/8-11/16	7/8-1	9	1 10
1133		5/8-3/4	9/16-11/16	7/8-1	9	1 10
1134	1/2-5/8		9/16-3/4	7/8-1 1/16	10	1 36
1135		5/8-7/8		7/8-1 1/8	10	1 36
1136X			5/8-3/4	15/16-1 1/16	10	1 36
1136	9/16-5/8			31/32-1 1/16	10	1 36
1137	9/16-3/4			31/32-1 1/4	11 1/2	1 92
1138		3/4-7/8		1 -1 1/8	11 1/2	1 36
1139		3/4-1	1/2-9/16	1 -1 1/4	11 1/2	1 92
1140	5/8-3/4		3/4-7/8	1 1/16-1 1/4	11 1/2	1 92
1140X			7/8	1 1/16-1 1/4	11 1/2	1 92
1141	5/8-7/8		3/4-1	1 1/16-1 7/16	13 1/2	2 80
1145		1 -1 1/8		1 1/4-1 3/8	13 1/2	2 80
1146	3/4-7/8		7/8-1	1 1/4-1 7/16	13 1/2	2 80

15° DOUBLE HEAD CHECK NUT WRENCHES



No.	Hex Head Cap Screw	S. A. E. Standard Screw and Bolt or Screw	Milled Opening, Inches	Length, Inches	Thickness of Heads, Inches	Black Finish, Each
1325	5/16-1/4	1/4	7/16	4 1/2	5/32	$0 50
1326	1/4-5/16	1/4-5/16	7/16-1/2	4 1/2	5/32	50
1327	5/16-3/8	5/16-3/8	1/2-9/16	4 1/2	5/32	50
1328	3/8-7/16	3/8-7/16	9/16-5/8	5 1/2	3/16	64
1329	7/16-1/2	7/16-1/2	5/8-3/4	5 1/2	3/16	64
1330	1/2-5/8	1/2-5/8	3/4-7/8	7	7/32	80

No.	U. S. S. Standard Bolt Size	Milled Opening, Inches	Length, Inches	Thickness of Heads, Inches	Black Finish, Each
1350	3/16	3/8-1/2	4 1/2	5/32	$0 50
1351	3/16-1/4	7/16-1/2	4 1/2	5/32	50
1352	1/4	7/16-1/2	4 1/2	5/32	50
1353	1/4	1/2-11/16	5 1/2	3/16	64
1354	5/16	9/16-11/16	5 1/2	3/16	64
1355	5/16-3/8	9/16-3/4	5 1/2	3/16	64
1356	3/8	5/8-25/32	7	7/32	80
1357	3/8-1/2	5/8-7/8	7	7/32	80
1358	7/16-1/2	2 -7/8	7	7/32	80
1359	7/16-9/16	2 -31/32	8 1/2	1/4	1 12
1360	9/16	7/8-31/32	8 1/2	1/4	1 12
1361	1/2	7/8-1	8 1/2	1/4	1 12
1362	1/2	31/32-1 1/16	10 1/2	9/32	1 68
1363	5/8	1 -1 1/4	10 1/2	9/32	1 68
1364	5/8-3/4	1 1/16-1 1/4	10 1/2	9/32	1 68
1365	5/8-7/8	1 1/16-1 7/16	12 1/2	13/32	2 60
1366	3/4-7/8	1 1/4-1 7/16	12 1/2	13/32	2 60
1367	3/4-1	1 1/4-1 5/8	12 1/2	13/32	2 60

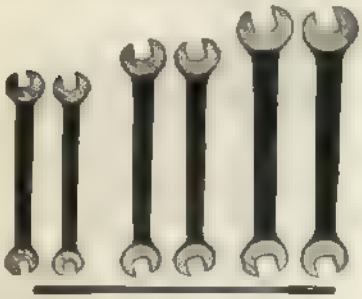
LIGHT SERVICE WRENCHES

No.	U. S. S. Bolt Size	Hex Head Cap Screw Size	Milled Opening, Inches	Extreme Length, Inches	Th'kn'ss Heads, Inches	Black Finish, Each
2000		3/16-1/4	3/8-7/16	6 1/4	7/32	$0 54
2001		3/16-5/16	3/8-1/2	6 1/4	7/32	54
2007		5/16-3/8	1/2-9/16	7 1/8	1/4	68
2009		1/4-5/16	1/2-5/8	7 1/8	1/4	68
2013			9/16-11/16	8 1/4	5/16	86
2017			5/8-3/4	8 1/4	5/16	86
2018		7/16-1/2	5/8-3/4	8 1/4	5/16	86
2025		1/2-5/8	3/4-15/16	9 1/4	3/8	1 10
2026		1/2-5/8	3/4-7/8	9 1/4	3/8	1 10
2033			7/8-1 1/16	10 3/8	7/16	1 40
2035		5/8-3/4	7/8-1	10 3/8	7/16	1 40
2038			1 -1 1/16	12	1/2	2 00
*2038 X			1 -1 1/16	12	1/2	2 00
2043	5/8-3/4		1 -1 1/4	12	1/2	2 00
2044		7/8-1	1 1/8-1 1/4	12	1/2	2 00

*Is for use on 5/8 A.L.A.M. Cap Screws and 5/8-3/4 S.A.E. Cap Screw.

BILLINGS AND SPENCER DROP-FORGED WRENCHES

B. & S. TAPPET WRENCH SETS



No. 21 Tappet Wrench Set. 15° Angle, Double Head. Consists of six long thin wrenches 2 each Nos. 1334, 1335 and 1336. For adjusting valve tappets, check nuts and adjusting screws. Lengths, 6, 7 and 8 inches. Weight, per set, 1 pound. 3 pair in canvas bag.

No.	U. S. S. Nuts	S. A. E. Nuts	Milled Openings	Black Each
1334				$0 70
1335				
1336				1 00

No. 21 Tappet Set. Black . . . . . per set 5 68

No. 22 Tappet Wrench Set. 15° Angle, Double Heads. Consists of four; 2 each Nos. 1335 and 1336; long thin wrenches 7 and 8 inches long. For valve tappets, check nuts and adjusting screws. Two pair in canvas bag.

No. 22 Tappet Set. Black . . . . . per set $4 18

MILLED WRENCH OPENINGS

Milled Wrench Openings. The following table gives size of Bolts and Screws milled opening of wrenches will fit. Sizes given are diameter of bolt or screw. Set Screws take same size as milled opening.

Mill Opening	U. S. S. Nut	Cap Screws Hex. Hd.	Cap Screws Sq. Hd.	Mill Opening	U. S. S. Nut	Cap Screws Hex. Hd.	Cap Screws Sq. Hd.
1/8				63/64	9/16		
13/64				1		3/4	
1/4				1 1/64		3/4	
17/64				1 1/16	5/8		
5/16	1/8			1 1/64	5/8		
21/64	1/8			1 1/32	5/8	7/8	7/8
3/8			1/4	1 1/32		7/8	7/8
25/64		1/4	1/4	1 1/64	3/4	1	1
13/32	5/16			1 1/32	3/4	1	1
27/64	5/16			1 1/16	3/4		
7/16		1/4	5/16	1 1/16		1 1/8	1 1/8
29/64		1/4	5/16	1 1/32		1 1/8	1 1/8
1/2	1/4	5/16	5/16	1 1/16	7/8		
33/64	1/4	5/16	5/16	1 1/32	7/8		
17/32	5/16	1/4	5/16	1 1/16		1 1/4	1 1/4
35/64		1/4	5/16	1 1/32		1 1/4	1 1/4
9/16	5/16			1 1/16	1	1 1/8	1 1/8
37/64				1 1/32	1	1 1/8	1 1/8
19/32	5/16			1 1/16		1 1/2	
39/64	5/16			1 1/32	1	1 1/8	1 1/8
5/8	7/16		1/2	1 1/16	1		
41/64	7/16		1/2	1 1/32	1 1/8		
21/32	3/8		9/16	1 1/16	1 1/8		
43/64	3/8		9/16	1 1/32	1 1/8		
11/16			5/8	1 1/16	1 1/4		
45/64		1/2	5/8	1 1/32	1 1/4		
23/32	7/16			1 1/16	1 3/8		
47/64	7/16			1 1/32	1 1/2		
3/4	7/16			1 1/16	1 5/8		
49/64	7/16	9/16		1 1/32	1 5/8		
25/32	1/2		5/8	1 1/16	1 3/4		
51/64	1/2	5/8	5/8	1 1/32	2		
13/16	1/2			1 1/16	2 1/4		

22½° TEXTILE DOUBLE HEAD WRENCHES

No.	U. S. S. Nuts	Hex. Hd. Screws	S. A. E. Nuts	Milled Openings, Inches	Length, Inches	Thickness of Heads	Black, Each
1550							$0 34
1551							34
1552							50
1553							50
1554							50
1555							50
1556							50
1557							50
1558							62
1559							62
1560							62
1561							62
1562							62
1563							62
1564							62
1565							80
1566							80
1567							80
1568							80
1569							80
1570							1 06
1571							1 06
1572							1 06
1573							1 06
1574							1 06
1575							1 44
1576							1 44
1577							1 44
1578							1 44
1579							1 44
1580							1 92
1581							1 92
1582							1 92
1583							1 92

B. & S. WRENCH SET

No. 4 Wrench Set. Light Service Wrenches

No.	Size Screw S. A. E. Head or Nut	Milled Openings	Length	Thickness of Heads	Black Finish, Each
2000					$0 54
2007					68
2017					86
2025					1 10
2033					1 40

No. 4 Wrench Set. In Canvas Case . . . . . per set 5 13

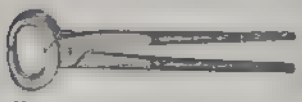
BLACKSMITHS' PINCERS
—PINE KNOT—

Special quality forged crucible steel. Oil tempered jaws, polished face, natural finish handles, heavy steel rivets.

Nos.	4910	4912	4914
Length, ins	10	12	14
Wt per doz, lbs	19	23	25
Per Doz	$24 00	25 50	28 50

Half doz in cardboard box.

FARRIERS' SHOEING PINCERS
CHAMPION

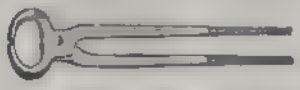


Solid hammered cast steel; steel rivet; oil finish; tempered and polished jaws.

Nos.	13	14
Length, ins	13	14
Wt per doz, lbs	28	30
Per Doz	$53 25	60 00

Half doz in cardboard box.

HELLER BROS.

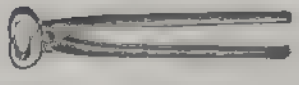


Solid cast steel, steel rivet; tempered, full polished jaws.

Nos.	21	20
Length, ins	12	14
Wt per doz, lbs	23	32
Per Doz	$51 00	63 00

Half doz in cardboard box.

FARRIERS' CUTTING NIPPERS
—PINE KNOT—

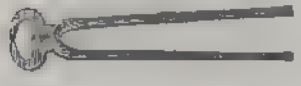


Solid steel, oil finish. Tempered polished jaws; steel rivet.

Nos.	40	42
Length, ins	10	12
Wt per doz, lbs	14	17
Per Doz	$27 00	28 50

Half doz in cardboard box.

HELLER BROS.



Crucible cast steel, full polished; tempered jaws; steel rivet.

Nos.	24B	24A	24
Length, ins	10	12	14
Wt per doz, lbs	12	20	30
Per Doz	$51 00	69 00	81 00

Half doz in cardboard box.

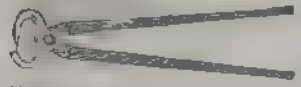
HOOF PARERS
—PINE KNOT—

Crucible cast steel, tempered; black finish handles; polished perfectly fitted jaws; heavy steel rivet.

Nos.	5012	5014
Length, ins	12	14
Wt per doz, lbs	20	[illegible]
Per Doz	$40 50	46 50

Half doz in cardboard box

HELLER BROS.



Crucible cast steel, tempered; full polished.

Nos.	23A	23
Length, ins	12	14
Wt per doz, lbs	20	29
Per Doz	$69 00	81 00

Half doz in cardboard box.

FARRIERS' KNIVES
JOHN PRIMBLE

Highest quality crucible cast steel blade, uniformly tempered and polished; 3½ inches long, sharpened ready for use; 4 inch white bone handle.

Nos.	50-⅝	50-¾
Width Blade, ins	⅝	¾
Per Doz	$27 00	27 00

Half doz in pkg; wt 2½ lbs.

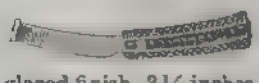
WOSTENHOLM'S I. X. L.
Bone Handle.

Extra quality crucible steel blade, highly tempered, glazed finish, 3½ inches long; solid bone handle, 4 inches long.

Nos.	7834-⅝	7834-¾
Width blade, ins.	⅝	¾
Per Doz	$31 50	31 50

One doz in pkg; wt per doz 2½ lbs.

POPE'S

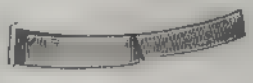


Detachable blade, first quality crucible steel, highly tempered, glazed finish, 3½ inches long; japanned iron pierced handle 4 inches long.

Nos.	1-1½	1-⅝	1-¾	1-⅞
Width blade, ins	⅛	⅝	¾	⅞
Per Doz	$20 25	20 25	20 25	20 25

Half doz in cardboard box; wt doz 4½ lbs.

POPE'S FARRIERS' KNIFE BLADES



First quality crucible steel, highly tempered, glazed finish; 3½ inch cutting edge. For Pope knives.

Nos.	1B-½	1B-⅝	1B-¾
Width, ins	½	⅝	¾
Per Doz	$15 75	15 75	15 75

Three doz in cardboard box; wt per doz about 1 lb.

BLACKSMITH'S APRONS

—BLUE GRASS—

Per Doz

No. 46—Mule skin; mule skin strings 34 ins long; size 28x38 ins [illegible] $142 50

One doz in bundle; wt per doz 22 to 24 lbs.

—BLUE RIBBON—

Per Doz

No. 48—Made of split leather, with bib, brass eyelets and leather strings 34 ins long; size 26x34 ins [illegible] $120 00

One doz in bdle; wt per doz 18 lbs.

BLACKSMITHS' APRONS

—CYCLONE—

Per Doz

No. 49—Made of split leather, without bib; brass eyelets and leather strings 26 ins long; size 24x30 ins..... $100 50

One doz in bale; wt per doz 21 lbs.

FORGES

LANCASTER

Pressed steel wind shield or hood; cast iron hearth; four bent tubular steel legs; encased fan and gearing.

With Shield.

Each

No. 45—Agricultural Forge. Hearth 22 ins in diam; fan 10 ins; height to top of hearth 31½ ins; wt each 115 lbs..... $48 75

One in crate.

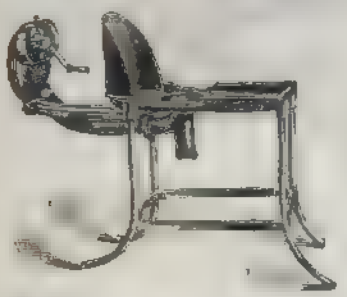
LANCASTER

With Half Hood.

Each

No. 46—Agricultural Forge. Hearth 22 ins in diam; fan 10 ins; height to top of hearth 31½ ins; wt each 120 lbs..... $54 00

One in crate.



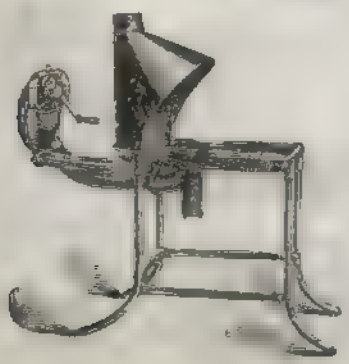
LANCASTER

With Shield.

Each

No. 42—Agricultural Forge. Hearth 23x35 ins; fan 12 ins, height top of hearth 30 ins; wt each 165 lbs $67 50

One in crate



LANCASTER

With Half Hood.

Each

No. 43—Agricultural Forge. Hearth 23x35 ins; fan 12 ins; height to top of hearth 30 ins; wt each 170 lbs $73 50

One in crate.

FORGES

CHAMPION

Operates exclusively by crank motion. The crank motion on these forges delivers the blast to the fire by being turned either way, which makes it a very valuable forge for boilermakers, bridge builders or for any purpose where a good, strong, heavy, substantial forge is wanted. By loosening two set screws the crank and bracket gearing can be lowered and turned out of the way under the forge hearth, making a very convenient forge for moving about.

CHAMPION

With Shield.

Cast iron hearth, pressed sheet steel wind guard; three bent tubular steel legs; incased fan, open gearing.

Each

No. 18—Champion Portable Rivet Crank Forge. Hearth 18 ins; height to top of hearth 33 ins; fan 9 ins..... $40 50

One in crate; wt 100 lbs.

CHAMPION

With Half Hood.

Cast iron hearth, pressed sheet steel wind guard; three bent tubular steel legs; incased fan, open gearing.

(Gear turned under for transportation).

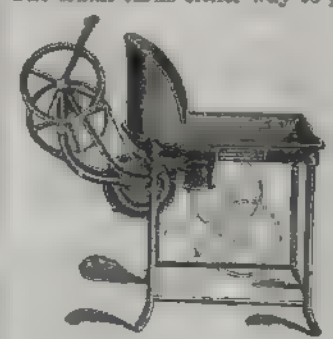
Each

No. 19—Champion Toolmakers' Crank Forge. Hearth 18 ins; height to top of hearth 33 ins; fan 9 ins... $46 50

One in crate; wt 110 lbs.

CHAMPION

Especially adapted to the use of boilermakers, machinists, ship and bridge builders, plumbers, railroad repair shops, etc. Gearing can be turned under arm for transportation as shown. The crank turns either way to produce the blast.



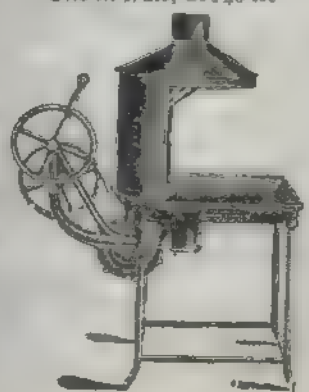
With Shield.

Cast iron hearth, pressed sheet steel wind shield; four bent tubular steel legs; encased fan; open gearing.

Each

No. 15—Champion Boilermakers' Crank Forge. Hearth 22x28 ins; height 30 ins to top of hearth; fan 10 ins..... $60 00

One in crate; wt 140 lbs



With Half Hood.

Cast iron hearth, pressed sheet steel half hood; four bent tubular steel legs; encased fan; open gearing

Each

No. 16—Champion Machinists' Crank Forge. Hearth 22x28 ins; height 30 ins to top of hearth; fan 10 ins..$67 50

One in crate; wt 150 lbs.

FORGES

CHAMPION

Heavy Pattern. With Shield.

Pressed steel hearth and wind shield; encased fan and gearing; four bent tubular steel legs.

Made from structural steel. Gearing is of the high speed Champion spiral gearing.

Strictly a high grade forge in every respect and is supplied with highest grade adjustable ball-bearings. The crank turns either way to produce the blast. Will weld 3½ to 4 inch iron in ten minutes.

Each

No. 401—Champion Steel Rivet Forge. Hearth 18 ins; height to top of hearth 30 ins, fan 9 ins **$75 00**

One in crate; wt 115 lbs.

CHAMPION

With Half Hood.

Reinforced stamped steel legs; stamped steel bowl and wind shield.

Ball-bearing throughout. Creates a strong, regular and positive blast, equal in every respect to a blast produced from a blower run by power. The machinery is all made from the best tool steel and phosphorus bronze; machined and cut from the solid metal and fitted with the precision and nicety of a watch, and all enclosed in an oil-tight casing. Has no belts or friction. Blast is produced by turning the crank in either direction, thus giving the operator any desired position. Blast is powerful enough for all kinds of light and heavy blacksmiths' work including the heaviest railroad work.

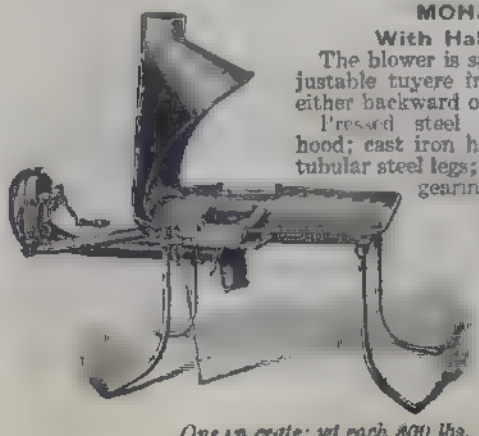
Each

No. 408—Champion Steel Horse Shoers' Forge. Hearth 30x36 ins; height to top of hearth 30 ins; fan 12 ins..... **$141 00**

One in crate; wt 600 lbs.

MOHAWK

With Half Hood.



The blower is supplied with adjustable tuyere iron, crank turns either backward or forward.

Pressed steel wind shield or hood; cast iron hearth; four bent tubular steel legs; encased fan and gearing.

Blacksmith's Direct Drive Forge. Hearth 32x45 ins., fan 12 ins., height to top of hearth 30 ins.

Each

No. 271 $90 00

One in crate; wt each 800 lbs.

FORGES

"HOT BLAST"

These forges are equipped with a cut-geared crank-driven blower, helical gearing being used to give smooth running and noiseless operation. The gear ratio gives 48 revolutions of the blast wheel to one turn of the crank, making a strong, steady, high pressure blast with smooth easy turning. Crank turns either direction. The gear case is oil-tight and dust-proof.

Cast iron hearth, pressed sheet steel windshield and hood; bent tubular steel legs; encased fan.

For general light and medium repair work, such as garages, farmers, or any place where a light portable forge is desired.

With Shield.

Each

No. 345—Diam hearth 18 ins; height 30 ins; fan 10 ins **$31 50**

Crated, wt each 87 lbs.

With Half Hood.

Each

No. 346—Diam hearth 18 ins; height 30 ins; fan 10 ins. **$34 50**

Crated; wt each 90 lbs.

With Shield. Each

No. 347—Hearth 22 ins; height 30 ins; fan 8 ins **$35 25**

Crated; wt each 105 lbs.

With Half Hood.

Each

No. 348—Hearth 22 ins; height 30 ins; fan 8 ins **$39 00**

Crated; wt each 110 lbs.

The large size hearth makes these forges very desirable for boiler makers, machinists, garages, farmers, etc.

With Shield. Each

No. 342—Hearth 23x30 ins; height 30 ins; fan 10 ins..... **$55 50**

Crated; wt each 135 lbs.

With Half Hood.

Each

No. 343—Hearth 23x30 ins; height 30 ins; fan 10 ins **$58 50**

Crated; wt each 140 lbs.

BLOWERS

CHAMPION

Ball-Bearing.

Three bent tubular steel legs, adjustable fan casing; counter balanced fan crank.

Made out of phosphor bronze and tool steel. Supplied with adjustable ball-bearings which are made of highest grade tool steel. The cups and cones are lathe turned, hardened as hard as glass and ground to the highest possible finish. Has the patented high speed spiral gearing.

Each

No. 400—Height over all 46 ins; 12 in. fan; complete with heavy nest whirlwind tuyere iron and piping.....$78 00

One in crate; wt 155 lbs.

MIDWAY

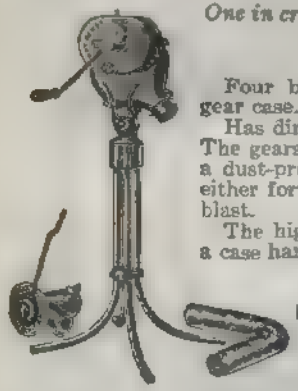
Cast iron base and standard. Adjustable fan casing, counter balanced fan crank; height over all 46½ inches; diameter base plate 17 inches.

The spiral gearing is simple in construction and without small gears or pinions. The gearing runs in oil in a dust proof casing. The crank turns in either direction to make the blast. Complete with a center blast, heavy nest ball tuyere iron; weight 50 lbs.

No. 70—12 in fan supplied with 50 lb. center blast, heavy nest ball tuyere iron and piping complete..... Each $70 50

One in crate; wt 170 lbs.

"HOT BLAST"



Four bent tubular steel legs, cast iron gear case. Painted green.

Has direct drive and strong steady blast. The gears are perfectly cut and enclosed in a dust-proof, self oiling case. Crank turns either forward or backward to produce the blast.

The high speed spindle is equipped with a case hardened end thrust ball-bearing.

Each

No. 60—Height over all 46 ins; diam of fan case 12 ins; complete with tuyere iron and pipe....$48 75

One in crate; wt each 140 lbs.

MOHAWK

Cast iron base and standard, adjustable fan casing; counter balanced fan crank; height over all 46 inches; diameter base 17 inches. Supplied with the Champion adjustable nozzle tuyere iron.

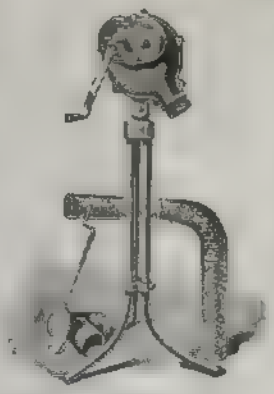
The high speed spindle is equipped with a case hardened end thrust ball-bearing.

Each

No. 40—12 in. fan with tuyere iron and piping complete.....$48 75

One in crate; wt 125 lbs.

BLOWERS



"HOT BLAST"

Built to meet the demands of the small blacksmith and farmer, who desires a low priced blower producing a blast sufficient for all needs. Built with high speed helical gearing, giving 48 revolutions of the blast wheel to one of the crank. The gearing is enclosed in a dust-proof, oil tight gear case. It is smooth running with crank turning either direction to make the blast.

Each

No. 340—Diam of fan 11¼ ins; mounted on three steel legs, with tuyere iron and pipe complete.....$40 50

Crated; wt each 67 lbs.

CHAMPION, ELECTRIC

The steel pressure blast feature on this type blower means that the blower or fan case is designed **Snail shape and built for high speed and high pressure blast.** Blower is furnished with Universal motor, wound for both alternating and direct current, either 110 or 220 volts, with detached rheostat with six speeds. The Universal motor is built with a hammered steel shaft, phosphor bronze bearings, self-aligning commutator of hard drawn copper with twenty four bars and large flat brushes and silk covered wire of the best insulation. All motors are designed and built with sufficient units of power guaranteed to run the blower at highest speed and highest pressure open and away from the fire for eight to ten hours without a single stop.

For both direct and alternating current, with detached rheostat for six speeds, and steel pressure case, for all kinds of general blacksmith work. Height over all, 12 inches; floor space occupied, 12x13 inches; diameter of outlet 3 inches.

Each

No. 50-110—110 volts, 1/10 H. P..... $111 00
No. 50-220—220 volts, 1/8 H. P..... 111 00

One in crate; wt each 55 lbs.

This motor is in all detail exactly the same as No. 50, the only difference is that it is built a half size larger in both the motor and the fan, thus giving at least half more blast. To meet the demands of such cases where an extra large blast is desired this blower has been designed, and this large blast can be reduced for the smallest work as easily as producing an extra heavy blast.

For both direct and alternating current, with detached rheostat for six speeds, for extra heavy fire. Height over all, 13 inches; floor space occupied, 12x15 inches; diameter of outlet 3 inches.

Each

No. 51-110—110 volts, 1/10 H. P..... ✦$144 00
No. 51-220—220 volts, 1/8 H. P..... ✦ 144 00

One in crate; wt each 80 lbs.

✦F. O. B. Pennsylvania Factory Only.

BELLOWS

STANDARD

Hardwood outside boards, cross cleated; japanned sheet steel cap and funnel, five leaf pattern with cowhide split leather sides or folds; trimmed with ⅝ inch wood mouldings; steel side pivots and japanned rear hook; painted red.

Nos.	28	30	32	34	36
Width, ins	28	30	32	34	36
Length, ins	40	43	46	50	55
Closed, ins	4½	4½	4½	4½	4½
Wt each, lbs	45	50	55	65	70
Each	36 00	39 00	42 00	48 00	54 00
	$12 00	*13 00*	*14 00*	*16 00*	*18 00*

Packed loose.

MOULDERS' BELLOWS

Single fold, hardwood outside boards, rough leather sides or folds; handle extension and leather loop for fastening; faced with leather strips and studded with tacks.

Nos.	8	10	12
Width, ins	8	10	12
Length, ins	11	15	17
Width closed, ins	1⅜	1¾	2
Wt per doz, lbs	30	40	50
Per Doz	48 00	56 25	76 50
	$16 00	*20 00*	*26 00*

Packed loose.

TUYERE IRONS

Cast iron, natural finish, bolted together.

DUCK NESTS

Per Doz

No. 5D—Single; round head, diam 7¼ ins; diam of hole 3½ ins; length over all 11 ins..... $33 75

Packed loose; wt each 12¾ lbs.

DUCK NESTS

Per Doz

No. 6D—Single; round head, diam 7¼ ins; diam hole 3½ ins; length over all 13½ ins.... $39 00

Packed loose; wt each 14½ lbs.

DUCK NESTS

Per Doz

No. 7D—Double; round head, diam 7½ ins; diam hole 3½ ins; length over all 14 ins.. $46 50

Packed loose; wt each 17½ lbs.

SUTTON'S BOWL

Each

No. 60—Best Dunbar pig metal, dipped in asphaltum, cast in one piece, bowl 11½x14 ins..... $16 50

Packed loose; wt each 40 lbs.

TUYERE IRONS

Cast iron, natural finish, bolted together.

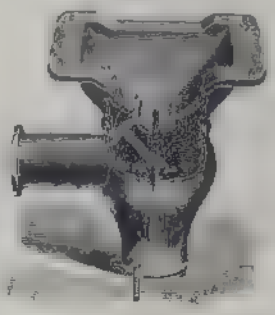
NORTON'S

Ball Valve, either right or left.

Each

No. 13—Round top; diam 6 ins; 3¼ in. hole; length of neck 6 ins; length of rods 26 ins..... $7 20

Packed loose; wt each 26½ lbs.



CHAMPION "WHIRLWIND" Anti-Clinker.

Heavy cast iron, japanned finish. Concentrates the blast and heat in the tuyere nest, thus makes a hotter fire.

This is the same Tuyere Iron as furnished with No. 400 Champion Blower.

Each

No. 400—Depth 5 ins; width 8¾ ins; length 10½ ins; over all 12¾x14¾ ins $21 75

Packed loose; wt each 60 lbs.

CHAMPION

Patent Adjustable Nozzle.

Cast iron, painted red. This is the same Tuyere Iron as furnished with Nos. 40 and 60 Blowers.

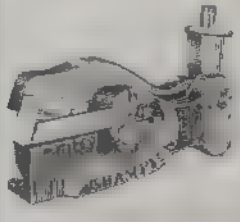
Each

No. PA—Diam head 8 ins; 3 in hole; length of neck 3 ins; length over all 11½ ins..... $9 75

Packed loose; wt each 12 lbs.

STEEL SHEARS

These shears have been in the hard service of hundreds of contractors, construction companies and blacksmiths, cutting all kind of steel, such as steel reinforcing bars for as long as eight to ten years and still show no sign of wear.



CHAMPION

Will cut ⅝ in round and 3x⅜ in flat steel.

Each

No. 1C—Length 24 ins; height 10 ins..... +$60 00

Crated; wt each 155 lbs.

ST. ANTHONY

A triple lever, back geared machine and very powerful.

No. 1—Will cut 1 in. round and 2x¾ in. flat steel; length 37 ins; height 18 ins; wt each 350 lbs... Each +$100 50

No. 2—Will cut ⅞ in. round and 4x½ in. flat steel; length 26 ins; height 14 ins; wt each 265 lbs..... Each +$87 00

Crated.

+F. O. B. Minnesota Factory Only.

TIRE SHRINKERS

AMERICAN

The jaws are made of hammered tool steel with machine cut teeth hardened to suit the work to be done. The jaws are worked by a mechanical lever and are thrown in and out instantly by a simple movement of the hand, which makes it a shrinker that can be handled by one man if so desired. The tire is gripped on its flat sides, both top and bottom, and the tire is held with a perfect grip until it is shrunk. Will shrink with one stroke of the lever 1¼ inches.

Each

No. 4—Will shrink up to 4x1 in. round or square edge tire, and 1¼ in. axles, has two steel jaws 4x2 ins wide, lgth base 28 ins; wth. 16 ins; wt each 325 lbs ✦ $118 50

Shipped knocked down.

MOLES

Without Anti-Kink Attachment.

Painted cast iron frame and bed; cast jaws; plain hardwood handle. The pin holes in the link connecting the jaws are so placed that the pin may be moved into different holes for different thickness of tire. No. 1 for slight work, No. 2 for medium work, No. 3 for heavy work.

Nos.	1M	2M	3M
For tires up to, ins.	½x2	½x3	¾x4
Length of base, ins.	38	42	43
Width of base, ins.	23	24	24
Wt each, lbs.	100	150	250
Each	$35 25	51 75	63 00

Packed loose.

MOLES

With Anti-Kink Attachment.

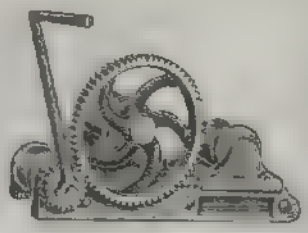
Painted cast iron frame and bed; cast jaws; plain hardwood handle. The pin holes in the link connecting the jaws are so placed that the pin may be moved into different holes for different thickness of tire.

Nos.	12MK	13MK
For tires up to, ins	1 x3	4x4
Length of base, ins	42	43
Width of base, ins.	24	24
Wt each, lbs	157	256
Each	$54 00	66 00

Packed loose.

✦F. O. B. Pennsylvania Factory Only.

TIRE BENDERS



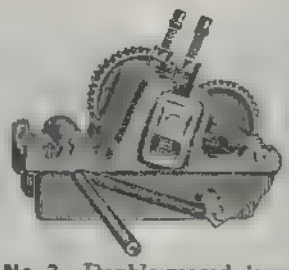
WESTERN

Japanned cast iron frame and gear wheels, wrought iron crank, turned steel rollers and axles; will bend 3¼ in. tires or smaller to a circle 30 in. in diameter or larger.

Each

No. 2—Geared; length of base 25½ ins; width 6¼ ins; height 12 ins $36 00

Packed loose; wt each 85 lbs.



WESTERN

Japanned cast iron frame and gear wheels, wrought iron crank, turned steel rollers and axles; will bend 5 inch tire or smaller to a circle 24 in. diameter or larger. Crank may be used on either side of machine.

Each

No. 3—Double geared; length of base 24 ins; width 8½ ins; height 16½ ins.....$54 75

Packed loose; wt each 150 lbs.

TIRE MEASURING WHEELS

Forged steel wheel, natural finish, polished steel index hand, japanned malleable iron handle and fork; raised figures and lines.

Each

No. 24—Wheel 24 ins in circumference, graduated in ins and eighths..... $6 00

One in box; wt per doz about 15 lbs.

SPOKE TENONING MACHINES

PEACE'S IMPROVED

Japanned cast iron frame, chuck, crank and clamp; polished steel spindle, shank and cutter face; tempered tool steel blade. Cuts tenons from ¾ to 1¼ ins, any length to 3¼ ins; length over all 20 ins.

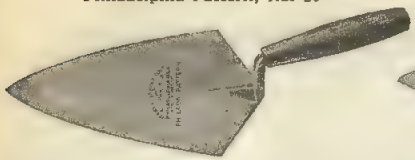
Each

No. 325—With felloe boring attachment and adjustable hollow auger..... $46 50

One in wood box; wt each about 12 lbs.

Bricklayers' and Plasterers' Tools

Brick Trowels
Philadelphia Pattern, No. 10



Inches	7½	8	8½	9	9½	10	10½
Price per doz.	$ 8.50	$ 9.00	$ 9.50	$10.00	$10.50	$11.00	$11.50
Price each	.85	.90	.95	1.00	1.05	1.10	1.15

Inches	11	11½	12	12½	13	13½	14
Price per doz.	$12.00	$12.50	$13.00	$13.75	$14.50	$15.25	$16.00
Price each	1.20	1.25	1.30	1.38	1.45	1.55	1.60

No. 12—Same pattern as No. 10, with light-weight, Flexible Blade.

Inches	7½	8	8½	9	9½	10	10½
Price per doz	$ 9.50	$10 00	$10.50	$11.00	$11.50	$12.00	$12.50
Price each	.95	1.00	1.05	1.10	1.15	1.20	1.25

Inches	11	11½	12	12½	13	13½	14
Price per doz	$13.00	$13.50	$14.00	$14.75	$15.50	$16.25	$17.00
Price, each	1.30	1.35	1.40	1.48	1.55	1.65	1.70

Brick Trowels

These trowels are made of best quality cast steel. Highly polished and finished.

No. 175. Size, inches	9	10	10½	11	11½
Price per dozen	$6.75	$7.25	$7.50	$7.75	$8.00
Price each	.65	.70	.75	.75	.80

Plastering Trowels

Made of good quality steel, ground and tempered. Well finished.

No 191. Size, inches	10	10½	11	11½
Price per dozen	$6.50	$7.00	$7.50	$8.00
Price each	.65	.70	.75	.80

Brick Sketz
High Carbon Tool Steel—Drop Forged
Selected Hickory Handle

Vlchek Brand

Size			1	2	3
Weight			1¾ lb.	2 lb.	2¼ lb.
No 134	Natural Finish.	Price per dozen	$24.00	$25.00	$26.00
No. 134.	Natural Finish.	Price each	2.40	2.50	2.60
No. 136.	Ebony Finish.	Price per dozen.	25.50	27.00	28.50
No. 136.	Ebony Finish.	Price each.	2.55	2.70	2.85

Brick Trowels
New York, No. 11½

Extra quality Crucible Steel Blade, carefully hardened and tempered, ground to a true and correct taper.

Inches	7½	8	8½	9	9½	10	10½
Price per doz.	$ 9.50	$10.00	$10.50	$11.00	$11.50	$12.00	$12.50
Price each	.95	1.00	1.05	1.10	1.15	1.20	1.25

Inches	11	11½	12	12½	13
Price per doz.	$13.00	$13.50	$14.00	$14.75	$15.50
Price each	1.30	1.35	1.40	1.48	1.55

Pointing Trowels

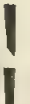
High grade steel, ground and polished.

No. 182. Size, inches	4	5	6
Price per dozen	$3.25	$3.10	$3.40
Price each	.30	.30	.35

Bricklayers Chisels
High Carbon Tool Steel—Drop Forged

No. 346
Natural Finish, Beveled Edge

No. 348
Natural Finish, Chisel Edge



Beveled Edge

Chisel Edge

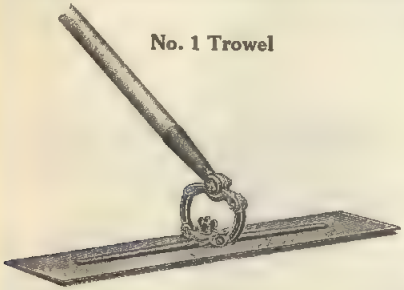
Size Stock	⅞	⅞
Length, inches	7	7
Cutting Edge, inches	3½	4½
Weight per doz., lbs	17	19
No. 346 or 348. Price per dozen	$12.00	$13.00
No. 346 or 348 Price each	1.20	1.30

Cement Finishers Long Handle Tools

Double Acting, Simple, Strong, Practical

The Long Handle feature of these tools eliminates a lot of back-breaking attitudes, but the **Double Acting device** is what accomplishes the big reduction in effort required to do a given amount of work. As the trowel is pushed the forward edge of the blade automatically lifts slightly; as it is pulled this action is reversed and the rear edge of the blade is raised. This double action absolutely prevents the blade from digging into the concrete. All work within reach is finished from one side and the position of this operator has to be changed much less frequently. It enables an inexperienced man, with an hour's practice, to do a first class job of finishing.

No. 1 Trowel



16″ x 5″, 6 foot handle. Price, each..... $7.00
24″ x 5″, 6 foot handle. Price, each..... 7.50
36″ x 5″, 6 foot handle. Price, each..... 12.50

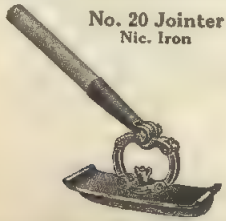
No. 30 Edger

Nic. Iron

No. 30 Iron 10″ x 3¼″, 6 ft. handle. Price, each.$5.00
No. 300 Iron 10″ x 4½″, 6 ft. handle. Price, each. 6.75
No. 30B Bronze 10″ x 3¼″, 6 ft. handle. Price, each 6.50
No.300B Bronze 10″ x 4½″, 6 ft. handle. Price each 7.00

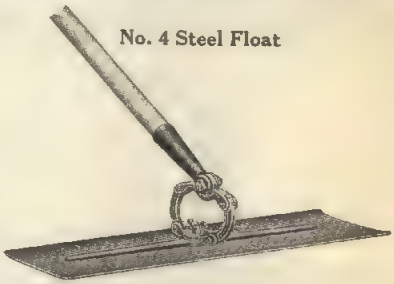
No. 20 Jointer

Nic. Iron



No. 25 Iron 10″ x 3¼″, 6 ft. handle. Price each..$5.00
No. 25B Bronze 10″ x 3¼″, 6 ft. handle. Price, each 6.50

No. 4 Steel Float

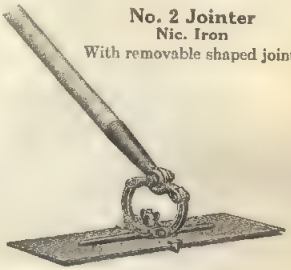


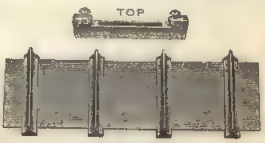
No. 4 Steel Float 24″ x 6″, 6 ft. handle. Price, ea...$7.50
No. 4W Wood Float 24″ x 6″, 6 ft. handle. Price, ea.... 6.00
No. 4W Wood Float 36″ x 6″, 6 ft. handle. Price, ea..... 7.00
No. 14 Divided Float ½″ opening, 6 ft. handle. Price, ea.. .... 7.50

No. 2 Jointer

Nic. Iron

With removable shaped joint.





BOTTOM VIEW

The above cut shows the removable V shaped joint of the No. 2 Jointer and bottom view of jointer with joint in any position desired.

No. 2 Iron 16″ x 5″, 6 ft. handle. Price each $7.00
Removable V shaped joint, extra. . 1.00

Cement Workers Tools

No. 140 Aluminum Smooth Float

Made from Hard Rolled Aluminum.

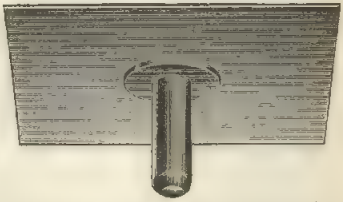
Size 12 x 4½ inches.
Weight per dozen 22 pounds.
Price per Dozen $23.70
Price each 2.40

No. 127 Indentation Roller

Material	Length Inches	Diameter Inches	Weight Each, Lbs.	Each
Iron	10	1	9	$4.00

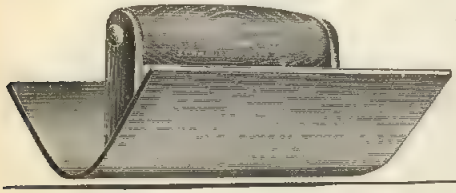
Aluminum Hawk

For Plasters and Cement Workers



Made from hard rolled aluminum. The flange is securely riveted to the blade and provided with threaded hub to hold handle. Detachable handle made of hard maple, 5 inches long, 1¾ inches in diameter. Furnished with rubber washer.

			Per Dozen	Each
No. 144.	13 x13	36 lbs	$37.00	$3.70
No. 144½.	13½x13½.	40 lbs.	39.50	3.95
No. 145.	14 x14	45 lbs	42.00	4.20



No. 118 Curb Gutter Finishing Tool

Length	Sides	Weight Per Doz. Lbs.	Price Dozen	Price Each
6″	3″	24	$15.45	$1.55

Tuck Pointers

Convex Pointer

No. 349 Iron.	Size 1/16.	Dozen	$7.00	Each	$0.70
No. 350 Iron.	Size 1/8.	Dozen	7.00	Each	.70
No. 351 Iron.	Size 3/16	Dozen	7.00	Each	.70
No. 352 Iron.	Size 3/8.	Dozen	7.00	Each	.70
No. 353 Iron.	Size 1/2.	Dozen	7.00	Each	.70

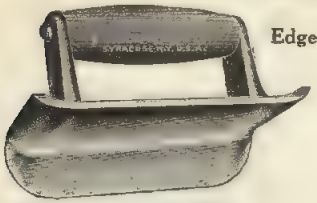
Concave

No. 149 Iron.	Size 3/16.	Dozen	$7.00	Each	$0.70
No. 150 Iron.	Size 1/4.	Dozen	7.00	Each	.70
No. 151 Iron.	Size 5/16.	Dozen	7.00	Each	.70
No. 152 Iron.	Size 3/8.	Dozen	7.00	Each	.70
No. 153 Iron.	Size 1/2.	Dozen	7.00	Each	.70

Cement Workers Tools

Made of Fine Grey Iron, Polished, Nickel-plated and Buffed –Handles Black Enamel

Edgers



No	Radius	Length Inches	Width Inches	Depth Inches	Wgt. Lbs. Per Dozen	Price	
						Dozen	Each
100	3/8	6	2 3/4	5/8	11	$7.00	$0.70
102	3/4	6	2 3/4	7/8	18	8.00	.80

No. 106 Jointer

Both Ends Turned Up

Length Inches	Width Inches	Depth of Cut Inches	Width of Cut Inches	Wgt. Lbs. Per Doz.	Price	
					Dozen	Each
6	2 3/4	1/2	1/8	14	$7.00	$0.70

No. 112 Narrow Edger

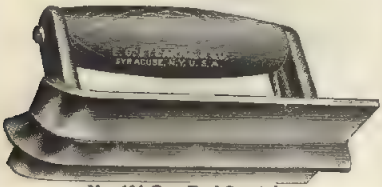
Radius Inches	Length Inches	Width Inches	Depth Inches	Wgt. Lbs Per Doz.	Price	
					Dozen	Each
3/8	8	1 3/4	5/8	14	$8.00	$0.80

No. 109 Jointer

On End Straight

Length Inches	Width Inches	Depth of Cut Inches	Width of Cut Inches	Wgt. Lbs Per Doz	Price	
					Dozen	Each
6	3	1/2	3/8	17	$7.00	$0.70

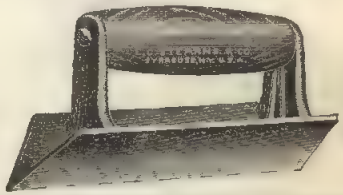
Small Groover



No. 191 One End Straight
No. 104 Both Ends Turned Up

Length Inches	Width Inches	Depth of Cut Inches	Width of Cut Inches	Wgt. Lbs. Per Doz	Price	
					Dozen	Each
6	3	1/2	1/2	15	$7.00	$0.70

No. 116 Corner Tool



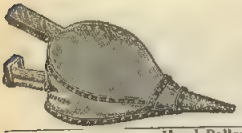
Length Inches	Sides Inches	Weight Per Doz Lbs	Price	
			Dozen	Each
6	1 1/2	13	$7.75	$0.80

No. 105 Large Groover

"V" Shaped Groove

Length	Width	Depth of Cut	Width of Cut	Wgt. Lbs. Per Dozen	Price	
					Dozen	Each
9"	3"	3/4"	5/8"	26	$12.00	$1.20

Bellows

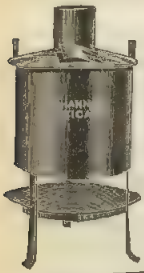


Our Hand Bellows are made of lightweight kiln-dried lumber and sheepskin leather. They can be used in household, office or factory. Will remove dust from pianos, typewriters and other places difficult to reach.
Our Standard Moulders' Bellows have boards fastened together with steel hinge, which relieves the leather from strain. Covered with heavy sheepskin. Nozzle of galvanized iron reinforced to keep its shape.

Hand Bellows			Moulders' Bellows		
Size, Inches	Weight per Dozen, Pounds	Price per Dozen	Size, Inches	Weight per Dozen, Pounds	Price per Dozen
6	15	$12.00	10	40	$20 00
8	20	16.00	12	50	26 00
10	30	20 00	14	60	32 00
			16	70	36 00

Salamanders

For Builders, Contractors, Shops, Etc.



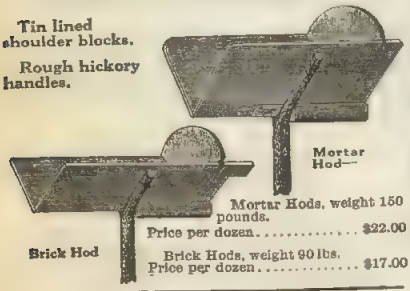
These Salamanders are substantially designed and made for hard service. The pan, body and legs are of heavy steel, and the grates of cast iron. The ash pan is raised a good distance from the ground and projects past the edge of shell so as to prevent the coals dropping out. Fitted with handles for convenience in moving about.
For temporary heating in cold weather or for use in buildings where the regular source of heating is not available, these salamanders will be found extremely useful and economical. The fuel ordinarily used is coke.
Diameter of body, 16¼ inches. Height of body, 15 inches. Total height 28½ inches.

With body of 16-gauge iron, price each $4 00
With body of 18-gauge iron, price each 3.50
Hood for salamander, extra each 2 00
Extra grates, price each 1.00

Wooden Mortar and Brick Hods

Tin lined shoulder blocks.

Rough hickory handles.



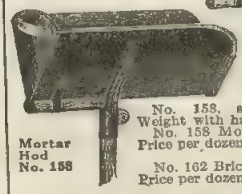
Mortar Hods, weight 150 pounds.
Price per dozen $22.00

Brick Hods, weight 90 lbs.
Price per dozen $17.00

Steel Mortar and Brick Hods

Strongly reinforced on edges and at dumping point.
No. 162 size: 23x7x10 inches
Weight with handle about 8 lbs.

Brick Hod No. 162
Extra strong and durable Double reinforced.



Mortar Hod No. 158

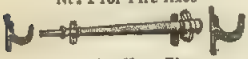
No. 158, size 24x11¾x12 inches. Weight with handle about 11 lbs.
No. 158 Mortar Hod.
Price per dozen $33.00

No. 162 Brick Hod.
Price per dozen $26.00

Underwriter Brackets

For Fire Axes, Hose Pipe, Crowbars, Etc.

No. 1 for Fire Axes



No. 2 for Hose Pipes

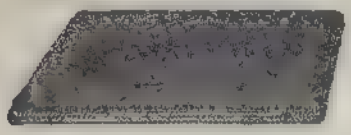
No. 3 for Crowbars

Furnished in the sherardized malleable iron
Price per set, either style $0.70
Per dozen sets 7.00

The Brick Cleveland Clamp

This brick clamp does away with the necessity of handling bricks by hand, and is both convenient and practical where bricks are used in any quantity. Substantially made for hard usage and adjustable for a large variation in loading.
Price per dozen $40.00

DOOR MATS



COCOA

DOMESTIC FINE

Nos.	D1	D2	D3
Size, ins	14x24	16x27	18x30
Wt per doz, lbs	25	32	40
Per Doz	$23 55	28 50	36 00

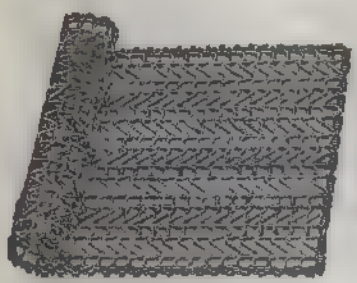
Packed loose.

IMPORTED MEDIUM

A good grade hand made of India Cocoa fibre.

Nos.	C1	C2	C3	C4
Size, in	14x24	16x27	18x30	20x33
Wt per doz, lbs	25	32	40	50
Per Doz	$28 50	34 80	43 20	52 50

Two doz in bdle.



FLEXIBLE STEEL

Flat steel strips ⅝ inch wide, hinged together with galvanized wire. Will roll up completely, and adjust itself to uneven surfaces; will not warp or curl at edges, self cleaning, reversible.

Heavy durable, and of the best design.

Cut Lengths.

Nos.	1	2	3	4
Size, ins	17x24	20x30	22x36	27x48
Wt per doz, lbs	70	115	195	210
Per Doz	$37 80	53 25	70 80	118 50

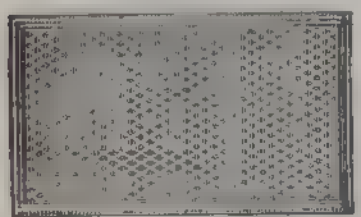
Half doz in roll.

In Rolls.

So constructed that it can be cut any length without waste Every remnant is a ready made mat. Made 16, 18, 20, 22, 24 26, 28, 30, 32, 34, 36, 38, 40, 42, 44, 46 and 48 inches wide.

Mats can be ordered any length desired and will be sent in one piece unless otherwise ordered.

	Per Sq Ft
Full rolls, from 10 to 100 feet	◆$1 32
Less than full rolls	◆1 41



RUBBER

Standard grade, molded door mat, with border, the most attractive solid-back mat on the market. The extent of tread surface insures long life.

Nos.	13	14
Size, ins.	17x31	18x36
Wt each, lbs.	4½	6½
Each	$3 00	3 30

Packed loose.

◆F. O. B. Illinois Factory Only.

GASOLINE LAMPS

COLEMAN, "QUICK-LITE"

These are the latest types of hydro-carbon gasoline lamps. They produce a very powerful, bright light (approx. 300 C. P.) at a minimum cost. The construction is such that they cannot explode under any circumstances, will not smoke nor smell, and are at all times perfectly reliable. Ideal for homes, yet can be used for stores and halls by suspending from ceiling by an extra wire and ring which are furnished with each lamp.

The gasoline feeds up the standard and is controlled by a valve. When it reaches the coil between the mantles it is turned into vapor. This vapor mixes with air entering through the larger tube, forming a gas that burns like any gas.

They have three features that make them different from all other gasoline lamps. The first and most important is that it lights with common matches instead of being generated with an alcohol torch. The second is the simplicity of maintenance. Instead of having to be cleaned the generators are cheap enough to throw away. An extra one is furnished with each lamp. Third is that the burner is supported by the air intake tube which takes the air below the mantles where it cannot be affected by heat.

Seamless brass fount. All lamps regularly furnished complete with mantles, pump, wrench, hanger, cleaning pick and extra generator.

COLEMAN, "QUICK-LITE"

Nickel Plated, Polished Fount.

Ornamental opal paneled glass shade.

Each

No. C329 (Old No. CQ329)—Capacity 3 pts, burns 15 to 18 hours; height over all 22 ins; diam shade 10 ins $21 00

One in carton, ship wt each 10½ lbs.

COLEMAN, "QUICK-LITE"

Nickel Plated, Polished Fount.

Opal ribbed glass shade.

Each

No. C307 (Old No. CQ307)—Capacity 3 pts, burns 15 to 18 hours; height over all 22 ins; diam shade 10 ins $21 00

One in carton; wt each 10 lbs.

COLEMAN, "QUICK-LITE"

Nickel Plated, Polished Fount.

Embossed shade, hand decorated brown and tan tints with delicate green vine and pink wild roses.

Each

No. C318 (Old No. CQ318)—Capacity 3 pts, burns 15 to 18 hours; height over all 22 ins; diam of shade 10 ins $23 25

One in carton; ship wt each 10 lbs.

GASOLINE LAMPS

COLEMAN, "QUICK-LITE"

Flemish Finish Fount.

Embossed shade, hand decorated, brown and tan tints with delicate green vine and pink wild roses.

Each

No. F318 (Old No. CQF319)—Capacity 3 pts, burns 15 to 18 hours; height over all 22 ins; diam shade 10 ins..... $27 00

One in carton; wt each 10 lbs.

COLEMAN, "QUICK-LITE"

Nickel Plated, Polished Fount.

Four paneled white opal glass shade delicately tinted in green. Panels are overlaid with harmonizing floral and foliage decorations.

Each

No. C324 (Old No. CQ324)—Capacity 3 pts, burns 15 to 18 hours; height over all 22 ins; diam shade 10 ins..... $23 10

One in carton; ship wt each 11 lbs.

COLEMAN, "QUICK-LITE"

Capacity 3 pints, burns 15 to 18 hours height over all 22 inches; diameter shade 10 inches.

Flemish Finish Fount.

Each

No. F324 (Old No. CQF324)—Green tinted glass shade with floral decorations..... +$27 00

Roman Bronze Fount.

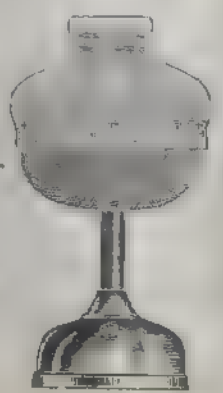
No. R318 (Old No. CQR318)—Tan tinted glass shade with floral decorations..... +27 00

One in carton; wt each 10 lbs.

COLEMAN, "QUICK-LITE"

Nickel Plated, Polished Fount.

Opal panel glass shade fitted with asbestos coated wire bug screen, which protects the mantel from flying insects.



Each

No. C333 (Old No. CQ335)—Capacity 3 pts, burns 15 to 18 hours; height over all 22 ins; diam shade 10 ins..... $23 25

One in carton; wt each 10 lbs.

+F. O. B. Illinois Factory Only.

GASOLINE LAMPS

COLEMAN, "QUICK-LITE"

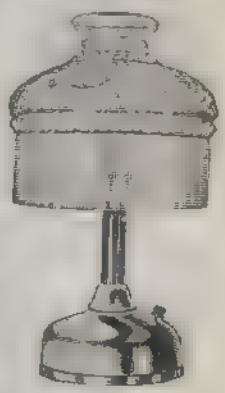
Flemish Finish Fount.

White opal glass shade with decorative reliefs, tinted in green and fitted with crystal beaded fringe.

Each

No. F335A (Old No. GQF335A)—Capacity 3 pts, burns 15 to 18, hours; height over all 22 ins; diam shade 10 ins..... +$30 00

One in carton; wt each 11 lbs.



COLEMAN, "QUICK-LITE"

Antique Gold Finish Fount.

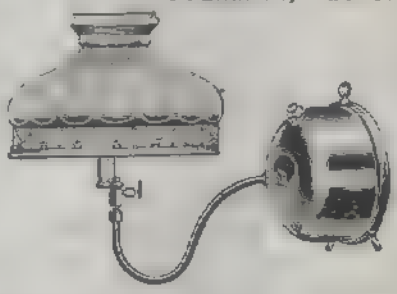
White opal glass shade, brown tinted, floral decorations with crystal beaded fringe.

Each

No. G335D (Old No. CQG335D)—Capacity 3 pts, burns 15 to 18 hours; height over all 22 ins; diam shade 10 ins..... +$30 75

One in carton; wt each 11 lbs.

COLEMAN, "QUICK-LITE"



Bracket, Wall Or Table Lamp.

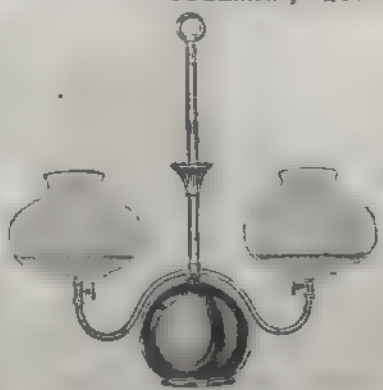
Especially designed for use over desks, in bath rooms, kitchens or rooms with low ceilings. Can also be used for table lamp. Seamless brass fount, nickel plated and polished; quick removable filler cap and panel opal glass shade.

Each

No. B329 (Old No. BQ329)—Capacity 2½ pts, burns 12 to 15 hours; diam shade 10 ins; height over all 22 ins; diam fount 8 ins..... $21 75

One in carton; ship wt each 15 lbs.

COLEMAN, "QUICK-LITE"



CHANDELIER

Especially designed for use in large rooms schools. halls, churches, and stores. Seamless brass fount, nickel plated and polished. Double burners, mounted on chandelier arms and may be used one or both at a time as desired. Three quarter frosted bug-proof globes. Complete with globes, 4 mantles, pump wrench, cleaning pick, and two extra generators.

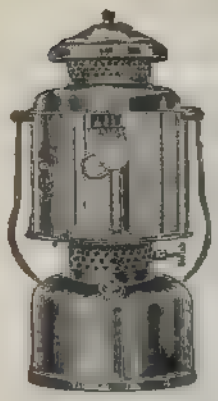
Each

No. P321 (Old No. PQ321)—Capacity 6 pts, supplies both burners 16 to 18 hours; diam of shades 10 ins; height over all 27 ins; diam of fount 8½ ins..... $39 75

One in carton; ship wt each 20 lbs.

+F. O. B. Illinois Factory Only.

GASOLINE LANTERNS



COLEMAN, "QUICK-LITE"

With "Quick-Lite" Burner.

Seamless brass fount, highly polished and nickel plated; will not rust. Mica chimney and reflector.

Furnished complete with mantles, pump, wrench, cleaning pick and extra generator.

Capacity 3 pts, sufficient to burn 15 hours; diam chimney 5 ins; diam fount 6 ins. Each

No. L327 (Old No. LQ327)—
Height over all 14 ins..... $17 25

One in carton; shipping wt each 6 lbs.

COLEMAN, ARC LIGHT

Seamless brass fount, nickel plated and polished. Mica chimney and reflector. Furnished complete with mantles, pump, wrench, torch, generator and cleaning needle. Capacity 3 pints, sufficient to burn 15 hours; diameter chimney 9½ inches; diameter fount 8 inches.

Each

No. H316 (Old No. GV316)—
Height over all 20 ins..... $36 00

One in carton; wt each 18 lbs.

LAMP SHADES

For Coleman Quick Lite Lamps.

Opal glass, for Quick-Lite and all table lamps requiring standard 10 in. dome.

Diam bottom 10 ins; top 4 ins; height 6 ins.

No. 740S
Less than a carton, Each..... $2 25
Full cartons, Per Doz..... 21 75

Half doz in carton.

For Coleman Quick-Lite Lamps.

Opal panel, for Quick-Lite and all table lamps requiring a 10 inch dome.

Diameter bottom 10 inches; diameter top 4 inches; height 7 inches.

No. H329S
Less than ½ doz, Each..... $2 25
In packages of ½ doz, Per Doz..... 24 00

Half doz in carton.

For Coleman Quick-Lite Lamps.

Three-quarter frosted globe, for all Quick-Lite table lamps. Per Doz

No. 321—Diam top 4 ins; diam bottom 4 ins; diam center 9 ins; height 7½ ins
One doz in bbl; wt per doz 12 lbs. $49 50

GLOBES

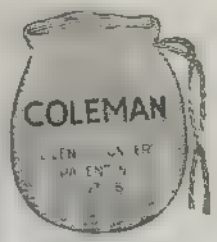
For Quick-Lite Gasoline Lanterns.

Per Doz

No. HG327—Mica; metal top and bottom, bands and uprights; diam 5 ins..... $15 75

One in carton; wt 1 lb.

MANTLES



For all Quick-Lite Lamps and Lanterns.

	Less than Gro	Gro Lots	
No. 41 — Genuine Coleman; highest grade soft rag with top draw string	Per Doz $2 25	Per Gro 24 00	
One gro in display box; one doz in envelope			
No. 1828 (Old No. 740M)—**Welsbach**—Soft rag with top draw string.....	$1 80	21 60	

One in waxed envelope; twelve in neat counter display carton.

BUG SCREENS

For Coleman Lamps.

White asbestos coated wire insect screen. For Nos. C. Q. 829, C. Q 317, C.Q.318 and C.Q. 324 Quick Lite Lamps.

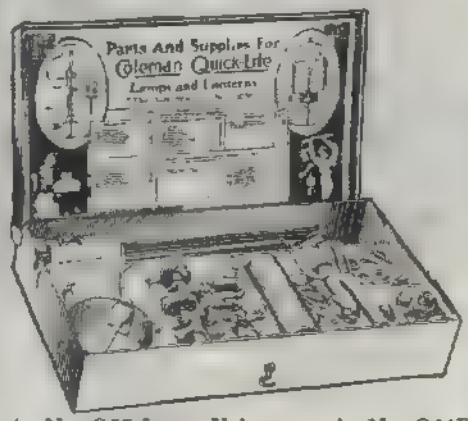
Per Doz

No. 333 Diam 10½ ins..... $30 00

Packed loose.

SUPPLY CASES

For Coleman, Quick Lite Gasoline Lamps and Lanterns



Metal counter display case gives dealer the proper assortment of all parts and supplies purchased by Quick Lite users. Assortment consists of the following parts:

4—No. Q57 Lamp Valves.	4—No. Q64B Filler Plugs.
3—No. Q Pumps.	4—No. Q23 Burner Caps and Screens.
1—No. Q11 Air Intake.	4—No. Q24 Burner Tubes.
4—No. Q25 Burner Cap Screens.	2—No. LQ57 Lantern Valves.
1—No. Q26 Mixing Chamber.	1—No. LQ55 Valve Stem and Nut.
1—No. Q56B Valve Stem and Nut.	1—No. C45 Handle Fibre.
2—No. C46 Handle caps.	3—No. C59 Lamp Hangers.
2—No. C4. Handle Lock Nuts.	6—No. Q Pump Leathers.
6—No. Q36 Gaskets.	1—No. Q63 Shade Holder.
12—No. Q18 Gas Tips.	2—No. LQ41 Ventilator Ball Nuts.
2—No. Q41 Shade Holder Screws.	3—No. LQ Wrenches.
3—No. Q Wrenches.	12—No. 007 Tip Cleaning Picks
1—No. Q17 Casting.	12—No. Q99 Generators.
2—No. Q Tip Wrenches.	

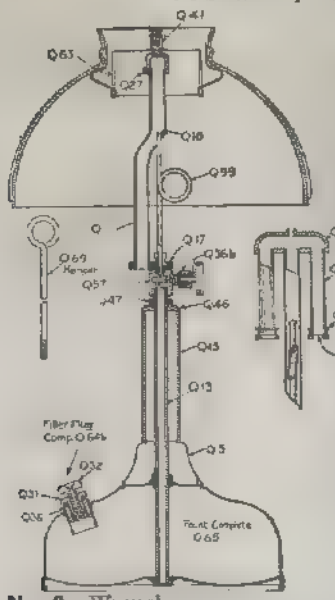
Per Case

No. 5—Ass't complete as above described..... $48 00

One ass't in carton; wt per ass't 8 lbs.

REPAIRS FOR QUICK-LITE GASOLINE LAMPS

COLEMAN, "QUICK-LITE"



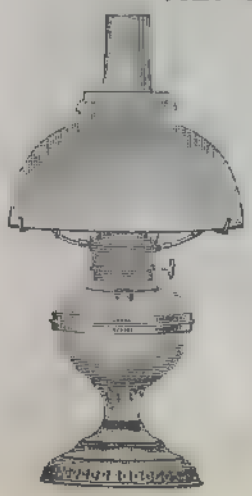
	Each
No. Q11—Burner support tube	✚$0 99
No. Q18—Gas tip	✚ 18
No. Q23—Burner cap complete	51
No. Q25—Burner cap screw	✚ 18
No. Q26—Mixing chamber	✚1 32
No. Q32—Air stem packing cap	✚ 48
No. Q36—Filler plug gasket	✚ 18
No. Q41—Heat bell screw	15
No. Q45—Handle	✚ 66
No. Q46—Handle cap	■ 18
No. Q99—Generator	75
No. CQ101—Lighting fork	45
No. Q007—Pick	15
No. Q—Wrench	51
No. Q64B—Filler plug complete	1 20
No. C65—Fount with filler plug	✚12 39
No. C69—Hanger	✚ 15
No. Q70—Burner generator and valve assembled	✚6 60
No. Q—Pump	1 50
No. Q57—Valve complete	1 50
No. C5—Finishing shell	✚ 84
No. Q17—Burner support casting	✚ 33
No. C47—Handle lock nut	✚ 18
No. Q56B—Valve stem lock nut	✚ 66
No. Q63—Shade holder	✚ 66

REPAIRS FOR COLEMAN'S AIR-O-LITE LAMPS (OLD STYLES)

	Each
No. NA10—Air intake coupling	$0 60
No. NA18—Gas tips, for model A lamps	48
No. NA57—Valves	1 65
No. NA58-12—Generator tube and filter	1 98
No. NA59—Tip screens for generator	18
No. NA58—Asbestos filter (or wick)	18
	Per Doz
No. CQ107—Pump leathers	✚$1 98

Packed loose.

KEROSENE LAMPS



CENTRAL DRAFT PARLOR

ORIENT

Brass body, nickel plated; brass center draft burner, with flame spreader and rack wick carrier; chimney holder lifts for lighting and is held in place by bayonet lock; it also lifts off for cleaning.

Height to top of burner 11⅝ inches; oil capacity 2½ pints; burns 8 hours.

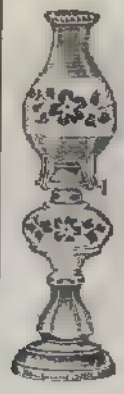
Complete with No. 22 Rayo Chimney; 10 inch opal dome shade and nickel plated tripod, No. 2 center draft burner and No. 2 round wick.

No.	C030
Less than cases, Per Doz	$91 50
Full cases, Per Doz	87 00

Half doz complete in barrel; wt per case 63 lbs.

✚F. O. B. Kansas, Factory Only.

KEROSENE LAMPS



ROSETTE

Stand and chimney moulded from one piece of highly colored and ornamented glass. No. 2 shrunk on collars; complete with chimney and No. 2 burner.

Assortment consists of 12 lamps, three each of assorted colors.

	Per Ass't
No. R12—Height over all 19 ins	$30 00

One ass't in barrel; wt per ass't 75 lbs.

ORION DECORATION

Clear glass moulded stand with decorated bowl and chimney. Complete with chimney and No. 2 burner.

Assortment consists of 15 lamps as follows: 9 stand lamps, height over all 18½ inches; 3 stand lamps, height over all 19 inches, and 3 sewing lamps, height over all 17½ inches.

	Per Ass't
No. 015—Wt per ass't 75 lbs	$30 00

One ass't in barrel.

GLASS HAND ASSORTMENTS

Jumbo Stand Lamps.

Moulded in one piece of clear white crystal glass, brass collar moulded in; height to top of collar 9½ inches; height complete with chimney and burner 19½, diameter of bowl 7 inches. Capacity 44 ozs. Assortment consists of 6 each of the 2 patterns illustrated complete with No. 2 burner and chimney.

	Per Ass't
No. 70—Wt per doz 110 lbs; pkgs will not be broken	$29 25

One ass't in barrel.

EXTRA CHIMNEYS

	Per Doz
No. 5—For No. 70 Jumbo hand lamps	$10 50

One doz in barrel; wt 40 lbs. Barrels will not be broken.

KEROSENE LAMPS

SEWING LAMP ASSORTMENTS

Price does not include burner and chimney.

Per Ass't

No. 68—Assortment contains 6 each of above patterns; size collar No. 2; height 8¼ ins; capacity oil, 25 ozs; wt per ass't 115 lbs..... $25 20

(Sold in full assortments of 24 lamps only.)

One ass't in barrel.

Per Ass't

No. 68-1—Assortment contains 3 each of above patterns; size collar No. 2; height 8¾ ins; capacity oil, 25 ozs; wt per ass't 57½ lbs..... $13 20

(Sold in full assortments of 12 lamps only.)

One ass't in carton.

GLASS HAND ASSORTMENTS

Moulded in one piece of clear, white crystal glass with glass collar, into which is moulded a threaded brass ferrule which is impossible to remove without breaking the lamp. This is a new feature and greatly superior to the old style pinched or shrunk on collars which come loose in a very short time.

Assortment consists of 6 each of the following lamps described. Price does not include burner and chimney.

	Stand.	Stand.	Stand.	Sewing.
Size Collar, No.	2	2	2	2
Height, ins	9⅛	9⅝	10¼	8¾
Capacity oil, oz	15	18	20	21

Per Ass't

No. 65—Wt per ass't 115 lbs..... $27 60

(Sold in full assortments of 24 lamps only.)

One ass't in barrel.

(C-Sewing) (A-Stand.) (B-Stand.) (C-Stand)

Assortment consists of 24 lamps, each fitted with No. 2 brass collars, 6 each of the following types and sizes: C-sewing 8¼ inches high, capacity 27 ounces, A-stand 9 inches high, capacity 16 ounces, B-stand 9½ inches high, capacity 20 ounces and C-stand 10¼ inches high, capacity 26 ounces. Per Ass't

No. 66—Ass't complete as above described..... $19 80

(Sold only in full assortments of 24 lamps.)

One ass't in bbl; wt per ass't 105 lbs.

KEROSENE LAMPS

GLASS HAND LAMP ASSORTMENTS

Moulded in one piece of clear, white crystal glass with clinch on collars, free from the objection of plaster which readily disentegrates.

Price does not include burner and chimney.

Per Ass't

No. 8012—Ass't consists of 12 each of the above patterns; size collar No. 2; height 9 ins; capacity oil 15 ozs..... $21 75

(Sold in full assortments of 36 lamps only.)

One ass't in barrel; wt per ass't 72 lbs.

C-SEWING LAMPS

Moulded in one piece of clear white crystal glass; with glass collar into which is moulded a No. 2 brass threaded ferrule which can not be removed without breaking lamp. This is a new feature and far superior to the old style of pinched or shrunk on collars which soon become loose

Per Doz

No. 69-1—Height 8¼ ins; capacity 27 ozs..... $9 75

(Sold in full cartons only.)

One doz in carton; wt per doz 55 lbs.

LOW HAND

One solid piece of clear glass, with glass collar, into which is moulded a threaded brass ferrule which is impossible to remove without breaking the lamp. No plaster paris to disintegrate.

Per Doz

No. LH1—No. 1 collar; height 8¼ ins; oil capacity 20 ozs..... $6 30

Six doz in barrel; wt per barrel 150 lbs.

PLANTATION HAND

Polished brass; burns without chimney; diameter of base 3½ inches; oil capacity 1 pint.

Per Doz

No. 2F Flat burner and wick; height over all 2½ ins..... $6 75

Half doz in cardboard box; wt per doz 5 lbs.

CONDULETS

VAPOR-PROOF—V SERIES

SCREW GUARD

Form 75 takes 75-Watt Mazda C Lamps, 60-Watt Mazda B Lamps, or any Lamp not exceeding 2⅝x6⅛ inches. Form 200 takes 200 Watt Mazda C Lamps, 100-Watt Mazda B Lamps, or any Lamp not exceeding 3⅝x8⅜ inches. Furnished with Receptacle, Sealing Plate, Gaskets, Globe and Guard.

TYPE V, SCREW GUARD, BROKEN-AWAY VIEW

TYPE V, SCREW GUARD, WITH REFLECTOR

TYPE VA, SCREW GUARD, WITH HOLOPHANE RE-FLECTOR REFRACTOR

TYPE VC, SCREW GUARD

Condulets of the V series, screw guard, are here illustrated and described, as they may interest users of vapor-proof Condulets

This series consists of eighteen types, although but eleven are here shown

The difference between the V series, screw guard, and the V and VH series, clamp guard, is that in the former the guard screws into the body, while in the latter, it clamps onto the body.

Two set screws are attached to the guard, either of which will secure it in position. A locking set screw, operated by a special key, can be substituted for either set screw to prevent theft of lamp and globe

Form 75 is regularly furnished with 6¾-inch globe, V-75. Form 200 is regularly furnished with a 9¼-inch globe, V-200.

TYPE VCA, SCREW GUARD

TYPE VL, SCREW GUARD

TYPE VT, SCREW GUARD

TYPE VTA SCREW GUARD

TYPE VF, SCREW GUARD

TYPE VD, SCREW GUARD

TYPE VJ, SCREW GUARD

TYPE VX, SCREW GUARD

CONDULETS

VAPOR-PROOF—V SERIES

SCREW GUARD

Iron—Galvanized Finish

Form 75 takes 75-Watt Mazda C Lamps, 60-Watt Mazda B Lamps, or any Lamp not exceeding 2¾x6⅛ inches.

Form 200 takes 200-Watt Mazda C Lamps, 100-Watt Mazda B Lamps, or any Lamp not exceeding 3¾x8⅝ inches.

Furnished with Receptacle, Sealing Plate, Gaskets, Globe, and Guard.

TYPE V

Form 75

Complete with Globe V-75 and Guard V-759

No.	Size, in	Std pkg	Wt. lbs. std pkg.	Each
V-1759	½	25	140.....	$4.50
V-2759	¾	25	150.....	4.55
V-3759	1	10	75.....	4.00

Form 200

Complete with Globe V-200 and Guard V-2009

V-12009	½	25	180.....	5.40
V-22009	¾	25	190.....	5.45
V-32009	1	10	100.....	5.50

TYPE VA

Form 75

Complete with Globe V-75 and Guard V-759

No.	Size, in	Std pkg	Wt. lbs. std pkg	Each
VA-1759	½	25	140....	$4.50
VA-2759	¾	25	150.....	4.55
VA-3759	1	10	75.....	4.60

Form 200

Complete with Globe V200 and Guard V 2009

VA-12009	½	25	180..	5 40
VA-22009	¾	25	190.....	5.45
VA-32009	1	10	100.....	5.50

TYPE VC

Form 75

Complete with Globe V-75 and Guard V-759

No.	Size, in.	Std. pkg.	Wt. lbs. std pkg.	Each
VC-1759	½	25	145.....	$4.60
VC-2759	¾	25	155.....	4.70
VC-3759	1	10	80.....	4.80

Form 200

Complete with Globe V-200 and Guard V 2009

VC-12009	½	25	185.....	5.50
VC-22009	¾	25	195.....	5.60
VC-32009	1	10	100.....	5.65

If specified, lamp receptacle with lamp grip will be furnished at an advance in the list price. High temperature wire should be used with lamps larger than 100 watts. With Key Receptacle: Add $1.00 to the list prices. Special Assortments: Any Assortment of 100 black enameled and galvanized iron Condulets of the V series screw guard, will be considered a standard package.

Condulets are regularly furnished with clear globes. Colored globes can be furnished at an advance in the list prices, if specified on the order.

Accessories and Parts, see end of series. Wiring devices, page 432, Condulet Catalog No. 2000.

SCREW GUARD

Iron—Galvanized Finish

Form 75 takes 75-Watt Mazda C Lamps, 60-Watt Mazda B Lamps, or any Lamp not exceeding 2¾x6⅛ inches.

Form 200 takes 200-Watt Mazda C Lamps, 100-Watt Mazda B Lamps, or any Lamp not exceeding 3¾x8⅝ inches.

Furnished with Receptacle, Sealing Plate, Gaskets, Globe and Guard.

TYPE VL

Form 75

Complete with Globe V-75 and Guard V-759.

No.	Size, in	Std pkg	Wt. lbs. std pkg	Each
VL-1759	½	25	145 ..	$4.60
VL-2759	¾	25	155 ...	4.70
VL-3759	1	10	80 ..	4.80

Form 200

Complete with Globe V-200 and Guard V-2009.

VL-12009	½	25	185.....	5.50
VL-22009	¾	25	195.....	5.60
VL-32009	1	10	100.....	5.65

TYPE VT

Form 75

Complete with Globe V-75 and Guard V-759.

No.	Size, in	Std pkg	Wt. lbs. std. pkg.	Each
VT-1759	½	25	150.....	$4.75
VT-2759	¾	25	160.....	4.85
VT-3759	1	10	85.....	5.05

Form 200

Complete with Globe V-200 and Guard V-2009

VT-12009	½	25	190.....	5.60
VT-22009	¾	25	200.....	5.75
VT-32009	1	10	105.....	5.85

TYPE VX

Form 75

Complete with Globe V-75 and Guard V-759

No.	Size, in.	Std. pkg.	Wt. lbs. std. pkg	Each
VX-1759	½	25	155....$4.85	
VX-2759	¾	25	165....	5.05
VX-3759	1	10	85....	5.20

Form 200

Complete with Globe V-200 and Guard V-2009.

VX-12009	½	25	195...	5 70
VX-22009	¾	25	205 ...	5.90
VX-32009	1	10	105....	6.05

If specified, lamp receptacle with lamp grip will be furnished at an advance in the list price. High temperature wire should be used with lamps larger than 100 watts. With Key Receptacle: Add $1.00 to the list prices. Finishes and Assortments, see end of Condulet listing. Special Assortments. Any assortment of 100 black enameled and galvanized iron Condulets of the V series, screw guard, will be considered a standard package.

Condulets are regularly furnished with clear globes. Colored globes can be furnished at an advance in the list prices, if specified on the order.

Accessories and Parts, see end of series. Wiring devices, page 432, Condulet Catalog No. 2000.

CONDULETS

VAPOR-PROOF—V SERIES

SCREW GUARD

Iron—Galvanized Finish

Form 75 takes 75-Watt Mazda C Lamps, 60-Watt Mazda B Lamps, or any Lamp not exceeding 2¾x6⅛ inches. Form 200 takes 200-Watt Mazda C Lamps, 100-Watt Mazda B Lamps, or any Lamp not exceeding 3¾x8⅜ inches.

Furnished with Receptacle, Sealing Plate, Gaskets, Globe, and Guard

TYPE VE

Form 75

Complete with Globe V-75 and Guard V-759.

No.	Size, in.	Std. pkg.	Wt. lbs. std. pkg.	Each
VE-1759	½	25	175	$4.75
VE-2759	¾	25	180	4.85
VE-3759	1	10	90	4.95

Form 200

Complete with Globe V-200 and Guard V-2009.

VE-12009	½	25	200	5.50
VE-22009	¾	25	210	5.60
VE-32009	1	10	105	5.70

TYPE VF

Form 75

Complete with Globe V-75 and Guard V-759.

No.	Size, in.	Std. pkg.	Wt. lbs. std. pkg.	Each
VF-1759	½	25	180	$4.90
VF-2759	¾	25	190	5.00
VF-3759	1	10	95	5.10

Form 200

Complete with Globe V-200 and Guard V-2009.

VF-12009	½	25	220	5.75
VF-22009	¾	25	220	5.85
VF-32009	1	10	110	5.95

TYPE VJ

Form 75

Complete with Globe V-75 and Guard V-759.

No.	Size, in.	Std. pkg.	Wt. lbs. std. pkg.	Each
VJ-1759	½	25	220	$5.15
VJ-2759	¾	25	230	5.25
VJ-3759	1	10	120	5.35

Form 200

Complete with Globe V-200 and Guard V-2009.

VJ-12009	½	25	250	5.90
VJ-22009	¾	25	260	6.00
VJ-32009	1	10	130	6.10

If specified, lamp receptacle with lamp grip will be furnished at an advance in the list price. With Key Receptacle: Add $1.00 to the list prices.

High temperature wire should be used with lamps larger than 100 watts.

Finishes and Assortments, see end of Conduit listing. Special Assortments: Any assortment of 100 black enameled and galvanized iron Condulets of the V series, screw guard, will be considered a standard package.

Condulets are regularly furnished with clear globes. Colored globes can be furnished at an advance in the list prices, if specified on the order. Accessories and Parts, see opposite column. Wiring devices, page 432, Conduit catalog No. 2000.

SCREW GUARD

Iron—Galvanized Finish

Form 75 takes 75-Watt Mazda C Lamps, 60-Watt Mazda B Lamps, or any Lamp not exceeding 2¾x6⅛ inches. Form 200 takes 200-Watt Mazda C Lamps, 100-Watt Mazda B Lamps, or any Lamp not exceeding 3¾x8⅜ inches.

Furnished with Receptacle, Sealing Plate, Gaskets, Globe, and Guard

TYPE VG

Form 75

Complete with Globe V-75 and Guard V-759.

No.	Size, in.	Std. pkg.	Wt. lbs. std. pkg.	Each
VG-1759	½	25	175	$4.75
VG-2759	¾	25	190	4.85
VG-3759	1	10	100	4.95

Form 200

Complete with Globe V-200 and Guard V-2009.

VG-12009	½	25	245	5.50
VG-22009	¾	25	260	5.60
VG-32009	1	10	130	5.70

If specified, lamp receptacle with lamp grip will be furnished at an advance in the list price. With Key Receptacle. Add $1.00 to the list prices.

High temperature wire should be used with lamps larger than 100 watts.

Finishes and Assortments, see end of Conduit listing. Special Assortments: Any assortment of 100 black enameled and galvanized iron Condulets of the V series, screw guard, will be considered a standard package.

Condulets are regularly furnished with clear globes. Colored globes can be furnished at an advance in the list prices, if specified on the order. Wiring devices, page 432, Conduit catalog No. 2000.

GLOBES AND GUARDS

For Condulets of the V Series, Screw Guard, and GS Vapor-proof Fixtures

GLOBES—CLEAR

Form 75

No.	Length, in.	Std. pkg.	Wt. lbs. std. pkg.	Each
V-75	6¾	25	30	$0.80

Form 200

V-200	9¼	25	60	.80

GUARDS—BRASS, MARINE FINISH

Serve as Reflector Holders

Form 75—For 6¾-Inch Globe

No.	Std. pkg.	Wt. lbs. std. pkg.	Each
V-759	25	35	$1.80

Form 200—For 9¼-Inch Globe

V-2009	25	45	2.25

CONDULETS

VAPOR-PROOF—V AND VH SERIES

CLAMP GUARD

Iron—Galvanized Finish

V Series takes 75-Watt Mazda C Lamps, 60 Watt Mazda B Lamps, or any Lamp not exceeding 2¾x6⅛ inches.

VH Series takes 200 Watt Mazda C Lamps, 100-Watt Mazda B Lamps, or any Lamp not exceeding 3¾x8⅝ inches.

Furnished with Receptacle, Sealing Plate, Gaskets, Globe, and Guard

TYPE V

Complete with Globe V-75 and Guard V-97.

No.	Size, in.	Std pkg.	Wt. lbs std. pkg.	Each
V-189	½	25	120	$4.50
V-289	¾	25	130	4.55
V-389	1	10	65	4.60

TYPE VH

Complete with Globe V-200 and Guard VH-99.

VH-189	½	25	160	5.40
VH-289	¾	25	170	5.45
VH-389	1	10	90	5.50

TYPE VA

Complete with Globe V-75 and Guard V-97.

No.	Size, in.	Std pkg	Wt. lbs, std. pkg	Each
VA-189	½	25	120	$4.50
VA-289	¾	25	130	4.55
VA-389	1	10	65	4.60

TYPE VHA

Complete with Globe V-200 and Guard VH-99.

VHA-189	½	25	160	5.40
VHA-289	¾	25	170	5.45
VHA-389	1	10	90	5.50

TYPE VC

Complete with Globe V-75 and Guard V-97.

No.	Size, in.	Std pkg	Wt. lbs std. pkg.	Each
VC-1189	½	25	125	$4.60
VC-2289	¾	25	135	4.70
VC-3389	1	10	70	4.80

TYPE VHC

Complete with Globe V-200 and Guard VH-99.

VHC-1189	½	25	165	5.50
VHC-2289	¾	25	175	5.60
VHC-3389	1	10	90	5.65

If specified on the order, lamp receptacle with lamp grip will be furnished at an advance in the list price.

Finishes and Assortments, see end of Condulet listing.

Special Assortments: Any assortment of 100 black enameled and galvanized iron Condulets of the V and VH series, clamp guard, will be considered a standard package

Condulets are regularly furnished with clear globes. If specified on the order, colored globes will be substituted at the difference in the list prices.

Accessories and Parts, see end of series. Wiring devices, page 432, Condulet catalog No. 2000.

CLAMP GUARD

Iron—Galvanized Finish

V Series takes 75-Watt Mazda C Lamps, 60-Watt Mazda B Lamps, or any Lamp not exceeding 2¾x6⅛ inches.

VH Series takes 200-Watt Mazda C Lamps, 100-Watt Mazda B Lamps, or any Lamp not exceeding 3¾x8⅝ inches.

Furnished with Receptacle, Sealing Plate, Gaskets, Globe, and Guard.

TYPE VL

Complete with Globe V-75 and Guard V-97.

No.	Size, in.	Std pkg	Wt. lbs std pkg	Each
VL-1189	½	25	125	$4.60
VL-2289	¾	25	135	4.70
VL-3389	1	10	70	4.80

TYPE VHL

Complete with Globe V-200 and Guard VH-99.

VHL-1189	½	25	165	5.50
VHL-2289	¾	25	175	5.60
VHL-3389	1	10	90	5.65

TYPE VT

Complete with Globe V-75 and Guard V-97.

No.	Size, in.	Std. pkg.	Wt. lbs std pkg	Each
VT-11189	½	25	130	$4.75
VT-22289	¾	25	140	4.85
VT-33389	1	10	75	5.05

TYPE VHT

Complete with Globe V-200 and Guard VH-99.

VHT-11189	½	25	170	5.60
VHT-22289	¾	25	180	5.75
VHT-33389	1	10	95	5.85

TYPE VX

Complete with Globe V-75 and Guard V-97.

No.	Size, in.	Std. pkg.	Wt. lbs. std. pkg.	Each
VX-111189	½	25	135	$4.85
VX-222289	¾	25	145	5.05
VX-333389	1	10	75	5.20

TYPE VHX

Complete with Globe V-200 and Guard VH-99.

VHX-111189	½	25	175	5.70
VHX-222289	¾	25	185	5.90
VHX-333389	1	10	95	6.05

If specified on the order, lamp receptacle with lamp grip will be furnished at an advance in the list price.

Finishes and Assortments, see end of Condulet listing.

Special Assortments: Any assortment of 100 black enameled and galvanized iron Condulets of the V and VH series, clamp guard, will be considered a standard package.

Condulets are regularly furnished with clear globes. If specified on the order, colored globes will be substituted at the difference in the list prices.

Accessories and Parts, see end of series. Wiring devices, page 432, Condulet catalog No. 2000.

CONDULETS

VAPOR-PROOF—V AND VH SERIES

CLAMP GUARD

Iron—Galvanized Finish

V Series takes 75-Watt Mazda C Lamps, 60-Watt Mazda B Lamps, or any Lamp not exceeding 2¾x6½ inches.

VH Series takes 200 Watt Mazda C Lamps, 100-Watt Mazda B Lamps, or any Lamp not exceeding 3¾x8⅝ inches.

Furnished with Receptacle, Sealing Plate, Gaskets, Globe, and Guard.

TYPE VE

Complete with Globe V-75 and Guard V-97.

No.	Size, in	Std pkg	Wt. lbs std pkg.	Each
VE-189	½	25	150	$4.75
VE-289	¾	25	160	4.85
VE-389	1	10	80	4.95

TYPE VHE

Complete with Globe V-200 and Guard VH-99.

VHE-189	½	25	180	5.50
VHE-289	¾	25	190	5.60
VHE-389	1	10	95	5.70

TYPE VF

Complete with Globe V-75 and Guard V-97.

No.	Size, in	Std. pkg.	Wt lbs std pkg	Each
VF-189	½	25	160	$4.90
VF-289	¾	25	170	5.00
VF-389	1	10	85	5.10

TYPE VHF

Complete with Globe V-200 and Guard VH-99.

VHF-189	½	25	190	5.75
VHF-289	¾	25	200	5.85
VHF-389	1	10	100	5.95

TYPE VJ

Complete with Globe V-75 and Guard V-97.

No	Size, in.	Std. pkg	Wt lbs std pkg	Each
VJ-1189	½	25	200	$5.15
VJ-2289	¾	25	210	5.25
VJ-3389	1	10	110	5.35

TYPE VHJ

Complete with Globe V-200 and Guard VH-99.

VHJ-1189	½	25	230	5.90
VHJ-2289	¾	25	240	6.00
VHJ-3389	1	10	120	6.10

If specified on the order, lamp receptacle with lamp grip will be furnished at an advance in the list price.

Finishes and Assortments, see end of Conduiet listing.

Special Assortments: Any assortment of 100 black enameled and galvanized iron Condulets of the V and VH series, clamp guard, will be considered a standard package.

Condulets are regularly furnished with clear globes. If specified on the order, colored globes will be substituted at the difference in the list prices.

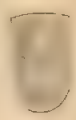
Accessories and Parts, see opposite column. Wiring devices, page 432, Conduiet catalog No. 2000.

GLOBES, GUARDS AND HOLDERS

For Conduiets of the V and VH Series

Clamp Guard

GLOBES—CLEAR



For V Series, Clamp Guard

No.	Length, in.	Wt lbs Std. pkg.	std. pkg.	Each
V-8	6	25	30	$0.80

For VH Series, Clamp Guard

VH-8	8¼	25	60	.80

GUARDS

Brass, Marine Finish

For V Series

Length of globe, 6 or 6¾ inches.

No	Wt lbs Std. pkg.	std. pkg.	Each
V-97	25	35	$1.80

For VH Series

Length of globe, 8¼ or 9¼ inches.

VH-99	25	40	2.25

GUARDS WITH REFLECTOR HOLDERS

Brass, Marine Finish

For V Series

No.	Length globe, in.	Std. pkg.	Wt lbs std. pkg	Each
V-71	6	25	50	$2.00
V-771	6¾	25	60	2.00

For VH Series

VH-71	8¼	25	70	2.50
VH-791	9¼	25	80	2.50

REFLECTOR HOLDERS

Brass, Marine Finish

For V Series

No	Std. pkg	Wt lbs std pkg	Each
V-61	25	20	$1.40

For VH Series

VH-61	25	30	1.65

For V Series

No	Std. pkg	Wt lbs std pkg	Each
V-62	25	25	$1.40

For VH Series

VH-62	25	35	1.65

Finishes and Assortments, see end of Conduiet listing.
Reflectors, page 432, Conduiet catalog No. 2000.

PORTABLE HAND LAMPS

VAPOR-PROOF

TYPE V8 SCREW GUARD

Aluminum—Scratch Brush

Takes 60-Watt Mazda B Lamps or any Lamp not exceeding 2¾x5⅝ inches.

No.	Length of globe, in.	Std. pkg.	Wt. lbs std. pkg.	Each
V8-060	5⅝	25	70	$6.15

Furnished with Receptacle, Gaskets, Globe, Guard, Cord Guard Spring, and Watertight Stuffing Box in Handle.

ELECTRICAL TOY TRAINS

IVES

Trains shown on this page will operate on 110 A. C. or D. C. when transformed 8 to 11 volts.

Trains shown below operate on "0" gauge track, 1⅜ inches wide.

Locomotive bodies are of sheet steel, enameled and ornamented in gold with hand rails, bells, headlights and other fittings of nickeled steel. All cars are handsomely lithographed; have removable roofs. Being made of heavy gauge steel, they are very durable. Trucks are flexible, enabling cars to stay on track at high speed. Track is rigidly constructed. Track ties are wide. Insulated third rail makes short circuits impossible.

Each

No. 504—Comprises one four-wheel reversible locomotive with headlight, 1 baggage car, 1 chair car and 1 parlor car, all equipped with electric lights; complete with 8 pieces curved track, 3 pieces straight track, 1 terminal section, 1 control switch and connecting wires; length of train 35¾ inches **$33 00**

One outfit in cardboard box; wt each 9¼ lbs.

Per Set

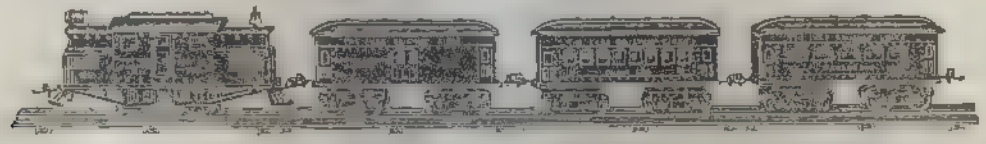
No. 611—Comprises one four-wheel locomotive with headlight, 1 baggage car, 1 chair car and 1 parlor car; complete with 8 pieces curved track, 6 pieces straight track, 1 station size 5¼x11¼ inches, 1 signal, 1 tunnel, 6 telegraph poles, 1 control switch and connecting wires; length of train 30 inches **$33 00**

One set in cardboard box; wt each 11 lbs.

Per Set

No. 610—Comprises four wheel locomotive with headlight, 1 baggage car, 1 parlor car, 8 pieces curved track, two pieces straight track, including terminal section, control switch and wires, passenger station, tunnel and signal; length of train 21½ ins **$24 00**

One set in cardboard box; wt each 8½ lbs.



Each

No. 502—Comprises one four-wheel locomotive with headlight and reverse, 1 baggage car, 1 chair car 1 parlor car; complete with 8 pieces curved track, 5 pieces straight track, 1 terminal section, 1 control switch and connecting wires; length of train 28 inches **$25 50**

One outfit in cardboard box, wt each 7½ lbs.

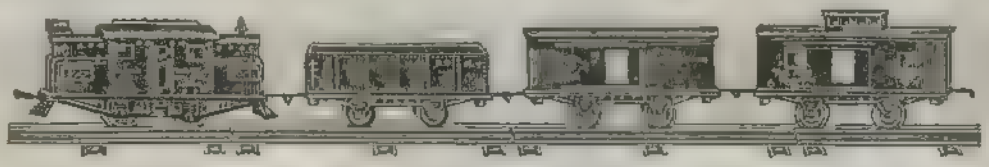
ELECTRICAL TOY TRAINS

IVES

Trains shown on this page will operate on 110 A. C. or D. C. when transformed 8 to 11 volts.

"0" gauge track, 1⅜ inches wide.

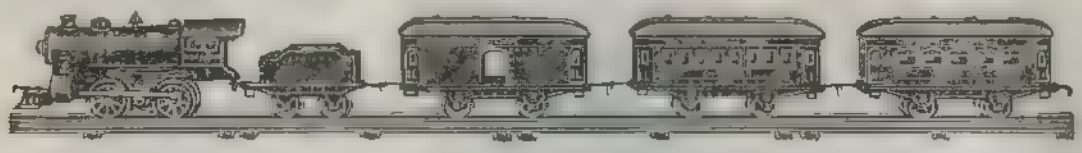
Locomotive bodies are of sheet steel, enameled and ornamented in gold with hand rails, bells, headlights and other fittings of nickeled steel. All cars are handsomely lithographed; have removable roofs. Being made of heavy gauge steel, they are very durable. Trucks are flexible, enabling the cars to stay on track at high speed. Track is rigidly constructed, track ties are wide. Insulated third rail makes short circuit impossible.



Each

No. 510—Comprises one four-wheel locomotive with headlight, 1 gravel car, 1 merchandise car, 1 caboose; complete with 8 pieces curved track, 3 pieces straight track, 1 terminal section, 1 control switch and connecting wires, length of train 27½ inches..... **$21 00**

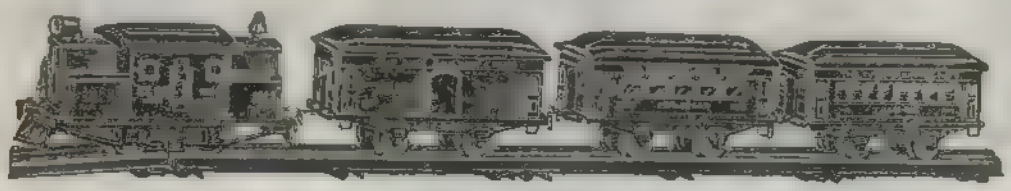
One outfit in cardboard box, wt each 8½ lbs.



Each

No. 401—Comprises one steam type locomotive with headlight, 1 tender, 1 baggage car, 1 chair car, 1 parlor car, complete with 8 pieces curved track, 3 pieces straight track, 1 terminal section, 1 control switch and connecting wires, length of train 27 ins..... **$21 00**

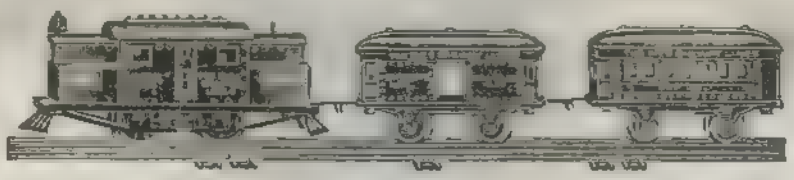
One outfit in cardboard box, wt each 7 lbs.



Each

No. 501—Comprises one four wheel locomotive with headlight, 1 baggage car, 1 chair car, 1 parlor car, complete with 8 pieces curved track, 3 pieces straight track, 1 terminal section; 1 control switch connecting wires; length of train 27 ins **$21 00**

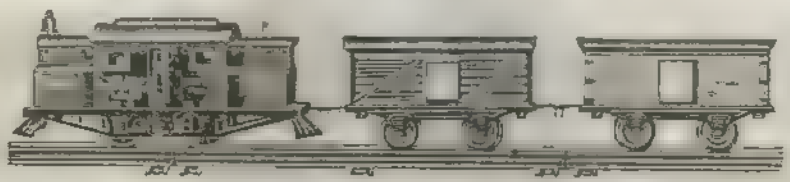
One outfit in cardboard box; wt each 7 lbs



Each

No. 505—Comprises one four wheel locomotive with headlight, 1 baggage car, 1 parlor car, complete with 8 pieces curved track with terminal section and connecting wires; length of train 18½ ins..... **$12 00**

One outfit in cardboard box; wt each 5 lbs.



Each

No. 506—Comprises one four wheel locomotive with headlight, 1 freight car and caboose; complete with 8 pieces curved track with terminal section and connecting wires, length of train 18½ ins..... **$12 00**

One outfit in cardboard box; wt each 5 lbs.

TOY TRANSFORMERS "Also Dept. 5."

IVES

For Alternating Current, 110 Volts, 75 Watts, 60 Cycles Delivers Up To 25 Volts.

Suitable for operating "0" and "2¼" gauge electric trains where a rheostat is used for speed variations. Mounted in black enameled steel case and immersed in an insulating compound which renders it indestructible and impervious to moisture. Complete with 7 feet of cord, attachment plug and diagram for connecting.

Each

No. M204 (Old No. 204) Size 4x3½ ins **$7 50**

One in cardboard box; wt each 4 lbs.

THORDARSON "DANDYTOY" "See Dept 5"

For Alternating Current 110 Volts, 60 Cycles.

Suitable for operating any of the "O" gauge train outfits.

Mounted in black enameled steel case and immersed in an insulating compound which renders it indestructible and impervious to moisture.

While primarily intended for operating electric toys of all kinds from the house lighting circuit, it can also be used to excellent advantage for many other purposes, such as operating annunciators, burglar alarms, induction coils, etc.

The range of voltage is from 2½ to 27½ volts in steps of 2½ volts each.

The rheostat which controls the various voltages is conveniently mounted in front of the apparatus.

Length 3¼ inches; width 3 ins; 2½ inches high. Complete with 7 ft of flexible cord and attachment plug.

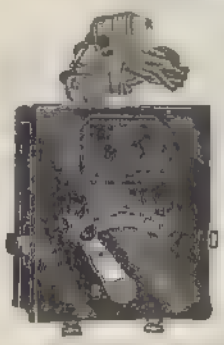
Each

No. D-T—Capacity 75 watts; wt each 4 lbs **6 75** *$3 00*

One in box, with complete directions for using, wt each 4 lbs

THORDARSON—Standard Type. "See Dept 5"

For Alternating Current 100 to 125 Volts, 60 Cycles.



Mounted in black enameled steel case and immersed in an insulating compound which renders it indestructible and impervious to moisture.

Designed to operate all classes of electrical toys such as miniature trains, small signs, motors, light small lamps, operate Ruhmkorff and other types of induction coils.

The range of voltage is from 2 to 28 volts in steps of 2 volts each. The constant voltages are 4, 6, 8, 10, 14 and 18 and any of these several voltages can be used simultaneously.

The rheostat which controls the various voltages is mounted in front of the apparatus.

Will operate all trains operating on "2" gauge track.

Nos.	1D	2D	3D
Voltage	2-28	2-28	2-28
Watts	100	150	200
Length, ins	5¼	6	5½
Width, ins	6	5	4½
Height, ins	4¾	4¼	5½
Wt lbs	8½	11	10½
Each	11 40	14 85	18 45
	$6 00	*7 00*	*8 00*

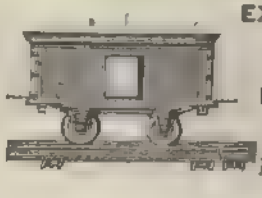
One in box.

ELECTRIC TOY TRAINS

D 7

IVES

EXTRA CARS



Freight.

Each

No. 53—For "0" gauge track; gray enameled; length 5 ins; 4 wheels **$0 81**

Half doz in cardboard box; wt each 4 ozs.

Stock.
Brown Enameled.

Each

No. 65—For "0" gauge track; length 6½ ins; 8 wheels; double trucks. **$1 65**

Half doz in cardboard box; wt each 4 ozs. (Illustration No. 193)

Each

No. 193—For "2" gauge track; length 11½ ins; spring automatic couplers; sliding doors; 8 wheels; swivel trucks; and hand brake **$8 25**

One in cardboard box; wt each 2¼ lbs.

TANK
Yellow Enameled.

Each

No. 66—For "0" gauge track length 6½ ins; 8 wheels double trucks . . **$1 65**

(Illustration No. 190) *Half doz in cardboard box; wt each 6 ozs.*

Each

No. 190—For "2" gauge track; length 11 ins; spring automatic couplers; 8 wheels; swivel trucks; hand brake **$9 75**

One in cardboard box; wt each 2¼ lbs.

Gravel.

Black enameled.

Each

No. 54—For "0" gauge track; length 5 ins; 4 wheels; wt each 4 ozs **$0 81**

(Illustration No. 194)

Each

No. 63—For "0" gauge track; length 6½ ins; 8 wheels; wt each 5 ozs. **$1 65**

Half doz in cardboard box.

No. 194—For "2" gauge track; length 11½ ins; 8 wheels; swivel truck; spring automatic couplers; hand brake; equipped with automatic dumping device **9 75**

One in cardboard box; wt each 2¼ lbs.

(Illustration No. 195)

Caboose.

Red enameled. Each

No. 67—For "0" gauge track; length 6½ ins; 8 wheels **$1 65**

Half doz in cardboard box; wt each 5 ozs.

Each

No. 195—For "2" gauge track; length 11¼ ins; spring automatic couplers; 8 wheels; swivel trucks; hand brake **$9 75**

One in cardboard box; wt each 2¼ lbs.

KRAEUTER PLIERS

SMALL DISPLAY CASE NO. 50

Very often customers for pliers and nippers do not know the exact name of the tool they need. Neither are they able to describe it so the clerk behind the counter understands—but it is a simple matter for such customers to select from a display case just what they want, without wasting valuable time.

This display case enables the dealer to show a line of staple numbers without investing a large amount of capital.

No. 50

No.	Length	Name of Tool	Each
2601	5 in.	Diagonal	$1.40
1596	4½ in.	Milliners'	1.40
1611	4½ in.	Round Nose	.85
1601	4½ in.	Flat Nose	.85
1880	10½ in.	Staple Puller	2.50
1781	7 in.	Flat Nose, Very Long Reach, Side Cutting	1.75
1751	6 in.	Flat Nose, Long Reach, Side Cutting	1.50
1621	6 in.	Needle Nose, Fine	1.50
1661	6 in.	Needle Nose, Side Cutting	1.75
1641	5 in.	Milliners'	1.20
18-4	tube	Revolving Punches	1.50
2801	8½ in.	Dreadnaught Linemen's	2.75
1841	8 in.	Button's Pattern	1.05
1821	7½ in.	Universal, Wire Cutting	1.55
1831	6½ in.	Lineman's	1.25
1851	7 in.	Nippers, End	1.50
1973	5½ in	Combination "Gripkut"	1.85
356	5½ in.	Combination "Griptite"	.90
305	7 in.	Combination "Victor"	1.35
1903	7 in.	Combination Thin Nose	1.25
1913	7 in.	Combination Thin Bent	1.40
356	6 in.	Combination "Griptite"	1.00
1973	7 in.	Combination "Gripkut"	1.60
1923	8 in.	Combination Bent Nose	1.50
356	10 in.	Combination	1.50
50	Oak Display Case.		3.00
		List value of stock	$39.05

Size of case, 33x17x3 inches Green, weathered oak finish. Front door frame, with brass hinges.

NOTE—Case is always furnished without glass.

No		Per asst
50	**Display Case**, complete	$39.05

Many sales are lost in so far as the individual dealer is concerned if the public does not know he has the goods for sale in his place of business. Therefore, a most important link in the merchandising chain is the **Display of Goods.**

There is no better way to display **Pliers** than in handsome, attractive cases. They furnish an important link between seller and buyer. Very often, customers do not know the exact name of the tool they need. Neither are they able to describe it so the clerk understands—but it is a simple matter for customers to select just what they want from a **Display Case.**

This case ties up only a small amount of money, but the dealer is assured of his goods being constantly in view of customers, thereby insuring sales which perhaps would otherwise be lost.

KRAEUTER PLIERS

COMBINATION

No. 356

"Griptite"

Full nickel plated. Screw driver and wire cutter. "Don't Slip" handles.

No.	Length	Wt. each	Each
356	5½ in.	4 ozs.	$0.80
	6 in.	8 ozs.	1.00
	8 in.	10 ozs.	1.25
	10 in.	1 lb.	1.50

No. 360

Jaws full polished. Handles black with raised surfaces polished, otherwise same as No. 356.

No.	Length	Wt. each	Each
360	6 in.	8 ozs.	$0.55

No. 1863

"Grip-all"

Full nickel plated. Small teeth for burners and larger teeth for gas pipe. "Don't Slip" handles.

No.	Length	Wt. each	Each
1863	6 in.	8 ozs.	$1.10
	9 in.	1 lb.	1.40

No. 1978

"Gripkut"

Full nickel plated. Little groove for holding pins. Gripkut "Don't Slip" handles.

No.	Length	Wt. each	Each
1978	5½ in.	5 ozs.	$1.35
	7 in.	8 ozs.	1.60

No. 1903

"Thin Nose"

Full nickel plated. Thin nose. Screw driver and wire cutter. Knurled handles.

No.	Length	Wt. each	Each
1903	7 in.	8 ozs.	$1.25

No. 1933

"Thin Nose"

Full nickel plated. Victor slip joint, thin nose. "Don't Slip" handles.

No.	Length	Wt. each	Each
1933	5½ in.	4 ozs.	$1.10

No. 1923

"Bent Nose"

Full nickel plated. Bent nose. Knurled handles.

No.	Length	Wt. each	Each
1923	8 in.	10 ozs.	$1.50
	10 in.	1 lb.	1.75

No. 1913

"Bent Thin Nose"

Full nickel plated. Bent thin nose. "Don't Slip" handles.

No.	Length	Wt. each	Each
1913	5½ in.	4 ozs.	$1.10
	7 in.	8 ozs.	1.40

No. 1821

"Universal"

Kraeuter finish. Screw driver, wire cutter and reamer. "Don't Slip" handles.

No.	Length	Wt. each	Each
1821	5½ in.	5 ozs.	$1.35
	6½ in.	8 ozs.	1.40
	7½ in.	10 ozs.	1.55
	8 in.	12 ozs.	1.70

All the above, six in a box.

KRAEUTER PLIERS

UNIVERSAL

No. 305

Full nickel plated. Screw driver and wire cutter. Knurled handles.

No.	Length	Wt. each	Each
305	5½ in.	5 ozs.	$1.10
	7 in.	8 ozs.	1.25

ELECTRICIANS'

No. 1831

Kraeuter finish. Side cutting. Knurled handles.

No.	Length	Wt. each	Each
1831	4 in.	3 ozs.	$1.05
	5 in.	4 ozs.	1.15
	6½ in.	8 ozs.	1.25
	7 in.	10 ozs.	1.40
	8 in.	12 ozs.	1.50

No. 1934

Side cutting. Black knurled handles. Polished jaws.

No.	Length	Wt. each	Each
1934	7 in.	9 ozs.	$1.00

No. 1731

Kraeuter finish. Long nose. Knurled handles. Hole in handle to fasten to belt.

No.	Length	Wt. each	Each
1731	6 in.	4 ozs.	$1.35

No. 1721

Kraeuter finish. Long nose. Side cutting. Knurled handles. Hole in handle to fasten to belt.

No.	Length	Wt. each	Each
1721	6 in.	4 ozs.	$1.60

LINEMEN'S

NOS. 2801 AND 4801

DREADNAUGHT

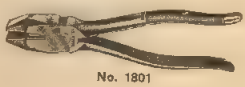
Kraeuter finish. Chrome nickel steel. Side cutting. "Don't Slip" handles.

No.	Length	Wt. each	Each
2801	6 in.	8 ozs.	$2.00
	7 in.	10 ozs.	2.50
	8½ in.	1 lb.	2.75

SUPREME

Kraeuter finish. Drop forged from special alloy steel. Hardened and tempered with great accuracy.

No.	Length	Wt. each	Each
4801	6 in.	8 ozs.	$2.80
	7 in.	11 ozs.	3.35
	8½ in.	15 ozs.	3.75



No. 1801

Kraeuter finish. Side cutting. Knurled handles.

No.	Length	Wt. each	Each
1801	6 in.	8 ozs.	$1.70
	7 in.	10 ozs.	2.00
	8½ in.	1 lb.	2.35

DIAGONAL CUTTING

No. 2601

Kraeuter finish. For close cutting. Knurled handles.

No.	Length	Wt. each	Each
2601	5 in.	3 ozs.	$1.40
	5½ in.	4 ozs.	1.50
	6 in.	5 ozs.	1.65

No. 2611

Kraeuter finish. Extra heavy diagonal cutting. "Don't Slip" handles.

No.	Length	Wt. each	Each
2611	6½ in.	8 ozs.	$1.90

All the above, six in a box.

KRAEUTER PLIERS

BUTTON'S PATTERN

No. 1841

Kraeuter finish. Three wire cutters. Knurled handles.

No.	Length	Wt. each	Each
1841	6½ in.	8 ozs.	$0.90
	8 in.	12 ozs.	1.05
	10 in.	1 lb.	1.40

No. 1844

Black knurled handles. Polished jaws. Three wire cutters.

No.	Length	Wt. each	Each
1844	8 in.	12 ozs.	$0.85

FENCE

No. 1880

Black knurled handles, polished head. Combined hammer, staple puller, wire twister and cutter. Will grip bolts, nuts, rods, etc. Two eyes are placed in the end of the head for twisting and splicing fence wire.

No.	Length	Wt. each	Each
1880	10½ in.	2 lbs.	$2.50

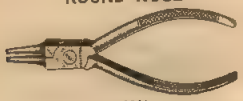
FLAT NOSE

No. 1601

Kraeuter finish. Knurled handles.

No.	Length	Wt. each	Each
1601	4 in.	3 ozs.	$0.80
	5 in.	4 ozs.	.90
	6 in.	5 ozs.	1.05

ROUND NOSE



No. 1611

Kraeuter finish. Knurled handles

No	Length	Wt. each	Each
1611	4 in.	3 ozs.	$0.80
	4½ in.	3½ ozs.	.85
	5 in.	4 ozs.	.90
	6 in	5 ozs.	1 05

NEEDLE NOSE

No. 1671

Kraeuter finish. Fine tapered points. Knurled handles. Hole in the handle to fasten to belt.

No	Length	Wt. each	Each
1671	6 in	4 ozs.	$1.40

No. 1621

Kraeuter finish. Long fine nose. Knurled handles. Hole in handle to fasten to belt.

No	Length	Wt. each	Each
1621	6 in	4 ozs.	$1.50

No. 1661

Kraeuter finish. Side cutting. Fine tapered points. Knurled handles Hole in handle to fasten to belt.

No	Length	Wt. each	Each
1661	6 in	4 ozs	$1.75

No. 1831

Kraeuter finish. Long curved nose. Knurled handles.

No.	Length	Wt. each	Each
1631	5½ in.	3 ozs.	$1.75

WEAVERS' AND KNITTERS'

No. 1651

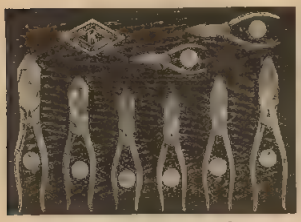
Kraeuter finish. Slim flat nose. For textile work. Knurled handles. Hole in handle to fasten to belt.

No	Length	Wt. each	Each
1651	6 in.	4 ozs.	$1.40

All the above, six in a box.

KRAEUTER PLIERS

DISPLAY BOARDS



No. 1831
5 in
4 in

No.	1801	1801	1801	1831	1831	1831
Length, in.	8½	7	6	6½	7	8

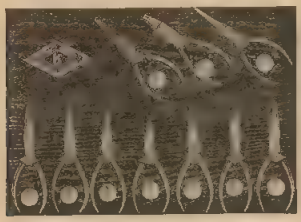
No. 1 ..... Per asst $12.40

No. 365
7 in.

No.	1841	1841	1841	1821	1821	1821	1821
Length, in	6½	8	10	8	7½	6½	5½

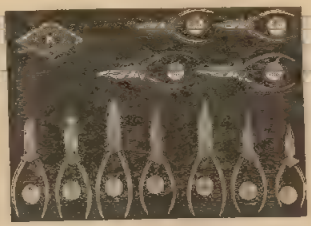
No. 2 ..... Per asst $10.85

No.	1621	1611	1651
Length, in.	6	5½	6



No.	1721	1731	1661	1631	1671	1681	1691
Length, in	5	6	6	5½	6	6	6

No. 3 ..... Per asst. $14.40



No. 1701

No. 1711

No.	2601	2601	2601	1641	1601	1601	1601
Length, in	5	5½	6	5	6	5	4½

No. 4 ..... Per asst. $13.15

No.	4460	1851	1851	1851	1851	450	1880
Length, in	8	8	7	6	5	8	10½

No. 5 ..... Per asst. $12.00

No. 1913

No. 356

No.	1973	356	1853	356	1923	305	1903	356
Length, in	7	8	9	10	8	7	7	6

No. 6 ..... Per asst. $12.95

One board in a package.

HAY CARRIERS

DIRECTIONS FOR RIGGING HAY CARRIERS

Directions for reversing all our Swivel Carriers.

Pull the carrier to stop block or bumper, allowing the lifting pulley to drop out of the carrier. Take rope out of pulley at end of barn and while standing on the floor beneath the carrier give the rope a little slack from the hand to the carrier and give it a little throw to obtain a half turn in the swivel. Rethread the pulleys in the end of the barn you wish to operate in, then the carrier is ready for operation. Before pulling large rope out of pulleys tie a small rope to the end of it so the small rope will be through pulleys, for pulling up the large rope, the reverse, see cut above.

Directions For Putting Up Track.

Support track to every rafter by means of track eyes and rafter irons. Place stop block or bumper directly over unloading place, and to prevent carrier from running off track bolt carrier stop or pulley fastener to end of the track, tie a rope from one rafter to the other, letting rope hang four or five inches under the track, or nail a board to the rafters close to and over it.

Material Required for a Steel Track Outfit for Different Length Barns.

For a 40 Foot Barn—One hay carrier fork or hay sling with sling pulley, one reversable carrier, 40 feet steel track, 21 hanging hooks, 21 rafter brackets, 5 knot passing pulleys, 6 floor hooks, 110 feet ¾ inch manila rope, 50 feet ⅜ inch check rope, 40 feet ⅜ inch reverse rope.

For a 50 Foot Barn—One hay carrier fork or hay sling with sling pulley, one reversible carrier, 48 feet steel track, 25 hanging hooks, 25 rafter brackets, 5 knot passing pulleys, 6 floor hooks, 130 feet ¾ inch manila rope, 55 feet ⅜ inch check rope, 50 feet ⅜ inch reverse rope.

For a 60 Foot Barn—One hay carrier fork or hay sling with sling pulley, one reversible carrier, 60 feet steel track, 31 hanging hooks, 31 rafter brackets, 5 knot passing pulleys, 6 floor hooks, 160 feet ¾ inch manila rope, 60 feet ⅜ inch check rope, 60 feet ⅜ inch reverse rope.

Material Required for Wood Track Outfits.

Material required for wood track outfits for different length barns, same as for steel track, except hanging hooks. Use No. 71 wood track hanging hooks in place of these.

Different lengths of barn will use track, hanging hooks and rope in same ratio as above.

If required to take hay in at end of barn and have rope pass down at far end, figure same amount of draft rope. If draft rope be returned to same end of barn and then down, this requires about one fourth more draft rope.

HAY CARRIERS

—BLUE GRASS—

Swivel Reversible, For Double Angle Steel Track.

Made of malleable iron, finished in blue and gold. The travelers and sheaves throughout revolve upon bushings, thus reducing friction and wear. The lifting pulley is supplied with new patent hook, by means of which the fork can be easily removed without the use of a wrench, at the same time locking it in perfectly when in use.

The throat has an exceptionally large opening and the simple locking mechanism is so arranged that the lifting head or fork pulley cannot fail to enter and lock securely to the carrier under all conditions. The locks are operated without the use of springs and engage projections upon the lifting head practically in a line with the axis of the pulley. The lifting head is thus free to swing to a horizontal position very near to the track. This permits the load to drag over obstructions and enables the carrier to work under conditions where any other carrier would necessarily fail.

Diameter of track wheels 3¼ inches; 1 inch tread; height over all 11 inches, length 14 inches. Each

No. BG10—With trip block and lifting pulley, **less rope** $21 30

Packed loose; wt each 23 lbs.

Hay Carrier Outfits.

Hay carrier, track, track fixtures and hay fork pulleys included in this outfit. This does not include Hay Fork, Sling or Rope.

For prices on Forks, see page 423.
For prices on Slings, see page 424.
For prices on Rope, see page 491.

	Each
No. 10-40BG—For 40 ft barn	$63 00
No. 10-50BG—For 50 ft barn	68 25
No. 10-60BG—For 60 ft barn	80 25

NEY'S

Swivel Reversible, For Double Angle Steel Track.

This carrier cannot pass the bumper or trip block while in operation and is quickly and easily reversed from floor. Constructed entirely of malleable iron; travelers and sheaves revolve on turned steel bushings. Diameter of track wheels 3¼ inches; tread ⅝ inch; height over all 12 inches; length 13½ inches.

	Each
No. 5—With trip block and lifting pulley, **less rope**; wt each 23 lbs	$21 30
No. 15—**Extra trip block**, for No. 5 carrier; wt each ¾ lb	1 14

Packed loose.

Hay Carrier Outfits.

Hay carrier, track, track fixtures and hay fork pulleys included in this outfit. This does not include Hay Fork, Sling or Rope.

For prices on Forks see page 423.
For prices on Slings see page 424.
For prices on Rope see page 491.

	Each
No. 5-40—For 40 ft barn	$63 00
No. 5-50—For 50 ft barn	68 25
No. 5-60—For 60 ft barn	80 25

HAY CARRIERS

NEY'S

Reversible, For Single Rail Steel Track.

Both swivel and rope reversible—meets all requirements; constructed entire of malleable iron, all sheaves and travelers revolve on evenly turned bushings; handsomely finished in black japan and bronze; bumper can be easily located and quickly changed to any desired point on the track; diameter of track wheels 3 inches, tread ¾ inch, height over all 10 inches, length 13½ inches.

	Each
No. 45—With trip block and lifting pulley, less rope; wt each 25 lbs	$21 30
No. 46—Extra trip block, for No. 45 carrier, wt each ¾ lbs	1 14
No. 47—Extra lifting pulley, for No. 45 carrier; wt each 5 lbs	2 85

Packed loose.

Hay Carrier Outfits.

Hay carrier, track, track fixtures and hay fork pulleys included in this outfit. This does not include Hay Fork, Sling or Rope.

For prices on Forks, see page next column.
For prices on Slings, see page 424.
For prices on Rope, see page 491.

	Each
No. 45-40—For 40 ft barn	$63 00
No. 45-50—For 50 ft barn	68 25
No. 45-60—For 60 ft barn	80 25

CLIMAX

Swivel Reversible, For 4x4 inch Wood Track.

With this carrier the fork can be carried within seven inches of the track, which makes it possible to fill the mow closer to the comb of the roof.

The throat has an exceptionally large opening and the simple locking mechanism is so arranged that the lifting head or pulley locks directly on the sides or frame of the carrier, not depending on separate dogs or lugs to hold the load.

Diameter of track wheels 5¼ inches; tread 1¼ inches; height over all 18½ inches; length 19 inches.

	Each
No. 115 With trip block and lifting pulley, less rope; wt each 16 lbs	$21 30
No. 116 Extra trip block, for No. 115 carrier, wt each ¾ lbs	1 14
No. 117—Extra lifting pulley, for No. 115 carrier, wt each 3¼ lbs	2 85

Packed loose.

Hay Carrier Outfits.

Hay carrier, wood track hanging hooks for wood track, floor hooks, rafter brackets and hay fork pulleys included in this outfit. This does not include Wood Track, Fork, Sling or Rope.

For prices on Forks, see page 423.
For prices on Slips, see page 424.
For prices on Rope, see page 491.

	Each
No. 115-40—For 40 ft barn	$39 00
No. 115-50—For 50 ft barn	41 25
No. 115-60—For 60 ft barn	43 50

HAY CARRIER FORKS

NEY'S

Nellis Single Harpoon.

Single malleable iron head, wrought steel blade with tool steel point and barbs, neatly painted. Has spring latch which holds the load securely; when tripped the load is discharged by its own weight.

	Each
No. 1—Length blade 36 ins	$11 25

Packed loose; wt each 11 lbs.

NEY'S

Canton Single Harpoon, Nellis Pattern.

Malleable iron head, wrought steel blade with tool steel point and barbs; neatly painted. Has lock lever latch which holds the load securely until tripped, then the load is discharged by its own weight.

	Each
No. 3—Length of blade 36 ins	$9 45

Packed loose; wt each 11 lbs.

NEY'S

Harris Double Harpoon.

Spear point steel, malleable iron trip lever, japanned. Locking and tripping device constructed on the lever principle which is simple and positive.

	Each
No. 2—Length 25 ins from cross bar to point; 19 ins wide; 3 in harpoon points	$5 10

Packed loose; wt each 17 lbs.

GRAPPLE FORKS

With Center Spears.

Made from spring steel, japanned; with polished points. The trip lock being very simple is not liable to get out of order.

Nos.	4	6
Number of tines	4	6
Length of tines, ins	28	28
Width, ins	28	40
Thickness, ins	17	17
Spread, ins	64	40
Wt each, lbs	36	50
Each	$23 55	27 00

Packed loose.

HAY FORK PULLEYS

NEY'S

Hay wood sheave, 5 ins in diameter, 1¼ inches thick; turning on self-oiling hollow loose pin, for 1 inch rope or smaller; cast iron frame, swivel eye with inside flanges to protect rope; finished in black japan.

	Per Doz
No. 114—Height over all 10 ins	$16 20

Packed loose; wt per doz 40 lbs.

HAY FORK PULLEYS

NEY'S

Cast iron sheave, 5 inches in diameter; 1⅜ inches thick, turning on loose pin, for ⅞ inch rope or smaller, cast iron frame, swivel eye; finished in black japan.

	Per Doz
No. 115—Height over all 9 ins	$15 30
No. 1150—5 in iron sheave loose pin; swivel eye; nicely finished in black enamel	14 25

Packed loose; wt per doz 45 lbs.

NEY'S

Hard maplewood sheave, 6 inches in diameter; 1½ inches thick, turning on loose pin, for 1 inch rope or smaller, steel frame, swivel eye, with flanges to protect rope; finished in black japan.

	Per Doz
No. 121—Height over all 10 ins	$15 30

Packed loose; wt per doz 40 lbs.

NEY'S

Hard maplewood sheave, boiled in oil, 5 inches in diameter, 1½ inches thick; turning on loose pin, for 1¼ inch rope or smaller, wood frame with inside strap, made of steel, swivel eye.

	Per Doz
No. 111—Height over all 10 ins	$16 20

Packed loose; wt per doz 35 lbs.

NEY'S

Knot Passing.

Hard maplewood sheave, 6 inches in diameter; 1½ inches thick, turning on hollow loose pin, for 1 inch rope or smaller, cast iron frame, swivel eye with inside flanges to protect rope; finished in black japan.

	Per Doz
No. 118—Height over all 11 ins	$17 25

Packed loose; wt per doz 50 lbs.

HAY SLINGS

NEY'S STANDARD

Center Trip, Adjustable.

Made of the very best material, ½ inch rope attached to wood cross bars which allows the bars to be shifted where desired; the center trip is plain malleable iron. The slings are adjustable to any size rack.

Normal length 17 feet; adjustable from 15½ to 19½ feet.

	Each
No. 5—4 ft wide	$8 55

One in bdle; wt each 20 lbs.

SLING PULLEYS

NEY'S SELF LOCKING

Malleable iron; takes ¾ inch rope.

	Each
No. 10—For Nos. 5 and 45 Ney's hay carriers	$9 45
No. 300-R24X—For No. 10BG Blue Grass hay carrier	9 45

Packed loose, wt each 10 lbs.

SWIVEL ROPE HITCH

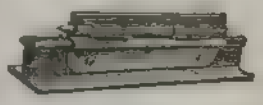
Malleable iron. A very convenient device for taking up and letting out rope. Does away with the untieing of hard knots and wasting of rope by cutting hard knots.

	Per Doz
No. 12—Length over all 8 ins	$9 45

Packed loose; wt per doz 20 lbs.

STEEL TRACK

NEY'S



Single Rail Steel Track, for No. 45 carrier, quick to attach and positively secure.

Nos.	1-6	1-8	1-12
Length, ft	6	8	12
Wt per length about, lbs	10	14	20
Per Ft	$0 54	54	54

Shipped loose.

NEY'S

Double Angle Steel Track.

For No. 5 and No. BG10 carriers; easily put up. Put up in sections and further additions can be made without taking down the track.

Nos.	2-6	2-8	2-12
Length, ft	6	8	12
Wt per length about, lbs	12	16	24
Per Ft	$0 54	54	54

Shipped loose.

HAY CARRIER FIXTURES

NEY'S

Single Rail Track Eyes.

Malleable iron, can be placed at any desired location after coupling.

	Per Doz
No. 65—Length 5 ins	$4 20

Packed loose; wt per doz 6 lbs.

NEY'S

Double Angle Track Eyes.

Malleable iron, they are inserted by driving in from the under side of the track midway between the space blocks, then moved to the desired point.

	Per Doz
No. 67—Length 5½ ins	$4 20

Packed loose; wt per doz 4 lbs.

NEY'S

Floor Hooks For Use With Hay Fork Pulleys.

	Per Doz
No. 69—¾ in. wrought iron, with a coarse, sharp thread, which will hold in either hard or soft wood	$4 50

Packed loose; wt per doz 14 lbs.

NEY'S

Hanging Hooks For Hanging Wood Track.

	Per Doz
No. 71—½ in. wrought iron, with nut; length 14 ins	$3 90

Packed loose; wt per doz 12 lbs.

NEY'S

Rafter Brackets. For wood or steel track hanging brackets. Made of steel and so crimped that the track eye hangs on a round surface, thereby preventing wear.

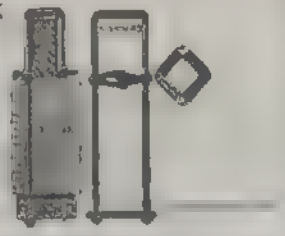
	Per Doz
No. 10—Wt per doz 3 lbs	$2 25

Packed loose.

BRACKETS AND CLAMPS

FOR HAY RACK

Partial view of hayrack made with brackets and clamps



Section showing manner of construction.

These brackets make the strongest kind of hay racks, as the wood is not weakened by boring holes for bolts where strength is most essential. By their use lighter material can be used. A hay rack made with these brackets is stronger and much more rigid than one made in the old way.

Set consists of 8 steel clamps, 4 left and 4 right brackets, 8 upper grooved steel washers, 8 lower clips or washers, and 16 nuts.

Per Set

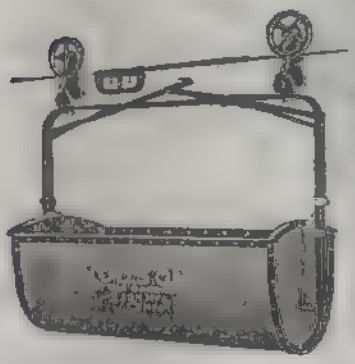
No. 1—With 14 in. clamps, for sills 2x8 ins, and cross pieces 2x4 ins; wt per set 15 lbs..... $4 20

No. 2—With 16 in. clamps, for sills 2x8 ins, and cross pieces 2x6 ins; wt per set 17 lbs..... 4 35

One set in wood box.

LITTER CARRIERS

HUDSON



20 gauge galvanized steel tub closely riveted to angle steel frame 1x1 inch. Ends reinforced at center by malleable pivot castings. All joints welded. Heavy angle iron reinforcement completely around top, bottom and sides. Latches at both ends of tub, lock and unlock simultaneously. The tub dumps automatically by means of a trip and is self-cleaning when dumped.

Track wheels made from gray iron, 5½ inches in diameter, roller bearings, steel axles mounted on swiveled wheel frame to permit wheels to take curves without binding on track.

This carrier can be used on 0000 rod track both inside and outside of barn. It can also be used on rigid track inside barn and rod outside track if so desired. **Price does not include track.**

Each

No. 70—Capacity tub 6 bu; length 40 ins; width 22 ins; depth 16 ins..... ✚$60 75

Packed loose; ship wt each 81 lbs.

ROD TRACK EQUIPMENT FOR NO. 70 LITTER CARRIER

ROD TRACK

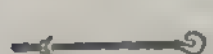
Made of No. 0000 special drawn steel wire, cut to fit, with ends properly looped.

Per 100 Ft

No. C—Wt per 100 ft about 60 lbs..... ✚$11 70

Packed loose.

TENSION BOLTS



Each end of every stretch of track must be securely anchored with a tension bolt, wrought iron.

Each

No. L11—Length 30 ins; diam ⅜ ins ✚$3 45

Packed loose; wt each 5 lbs.

✚F. O. B. Minnesota Factory Only.

LITTER CARRIERS

AUTOMATIC STOP AND RETURNING DEVICE

Absolutely insures the return of the carrier and makes it impossible for carrier to run off the track.

Each

No. SES—Wt each 3½ lbs ✚$4 05

Packed loose.

AUTOMATIC SPRING TRACK SUPPORT

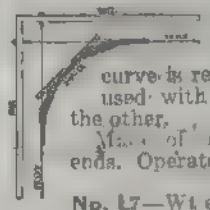
When track is longer than 100 feet, this support should be used [illegible] support is required for every additional 50 feet of track.

Each

No. L12—Wt each about 8¼ lbs..... ✚$2 49

Packed loose.

CURVE OR SWITCH



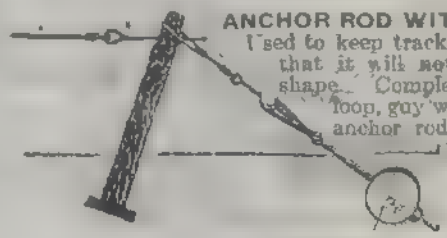
When it is necessary to change direction of rod track around the corner of a building, or any other place where a curve is required, two stretches of track should be used with switch to connect one line of track with the other.

Made of one piece angle iron, with malleable iron ends. Operates equally well as right or left hand switch.

Each

No. L7—Wt each about 25 lbs..... ✚$13 35

Packed loose.



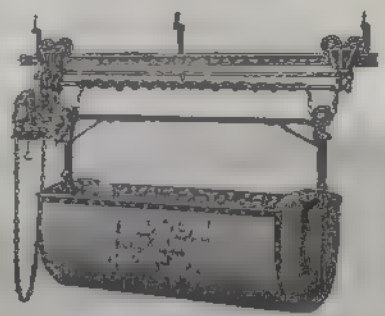
ANCHOR ROD WITH TURNBUCKLE

Used to keep track properly secured so that it will not sag or get out of shape. Complete including post loop, guy wire, turnbuckle and anchor rod. Each

No. L3—Wt each about 15 lbs..... ✚$4 85

Packed loose.

HUDSON



Chain Hoist.

20 gauge galvanized steel tub closely riveted to angle steel frame 1x1 inch. Ends doubly reinforced at center by malleable 3¼ inch pivot malleable on which tub turns. Heavy angle iron reinforcement completely around top, bottom and sides. Latches at each end of tub lock and unlock simultaneously.

The tub dumps automatically to either side and is self-cleaning when dumped. Track wheels made from gray iron, 4 inches in diameter, mounted on tandem, in malleable swivel wheel frame to take curve without binding on track.

This carrier operates on rigid track inside and outside of barn.

Nos.	58	58B
Capacity tub, bu	9	13
Length tub, ins	42	42
Width tub, ins	28	28
Depth tub, ins	18	22
Wt each, lbs	161	176
Each	✚$104 25	✚107 70

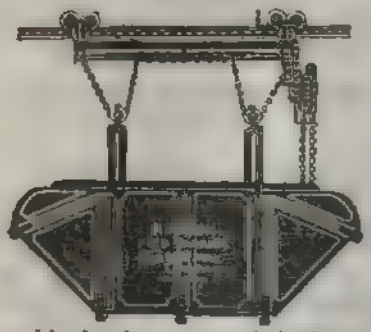
Packed loose.

✚F. O. B. Minnesota Factory Only.

LITTER AND FEED CARRIERS

HUDSON

For use on I Beam Track.



Made from clear selected, seasoned and dressed hardwood. Sides ¾ inch thick, ends and cleats 1 inch thick; 24 gauge galvanized steel bottom and ends. Two 1½x3½x¼ inch channel steel rails extend to bottom of feed-box.

Hoist chain and sprocket geared to give easy lift of load with quick ascent and decent. Combination control clutch and brake gives easy and absolute controle of raising and lowering feed-box. Solid steel chaft, cold rolled to 1 15/16 inch diameter, strength reinforced by heavy angle irons teel bar to which shaft is attached. Lifting chain tested to carry several times the weight of loaded feed-box; winds on sqaft in open spiral, preventing rubbing and wear on links. Gray iron track wheels 4 inches in diameter, mounted tandem in malleable swivel wheel frame to take curves without binding tack.

	Each
No. 40C—Capacity 16 bu; length 69 ins; width 30 ins; depth 24 ins	+$108 75

Packed loose; ship wt each 200 lbs.

TRACK EQUIPMENT FOR NO. 40C LITTER AND FEED CARRIERS

I beam type, bends without heating to any desired curve, narrow rounding tread easily bolted to hangers holding track firm and rigid.

	Per Ft
No. 102—Furnished in 6, 9 and 15 ft lengths	+$0 51

Packed loose; wt per foot 1½ lbs.

HANGERS FOR NO. 40C LITTER AND FEED CARRIERS

	Each
No. 90B—Bolt equipment	+$0 72
No. 90F—Frame equipment	+ 84
No. 90L—Lag screw equipment	+ 87
No. 90P—Plate attachment	+ 96

Packed loose.

TRACK HANGERS

	Each
No. 90A—With nailing plate and nails, no extension	+$0 66
No. 90—With lag screw, no extension plate or nails	+ 51

Packed loose.

+F. O. B. Minnesota Factory Only.

TRACK SWITCH

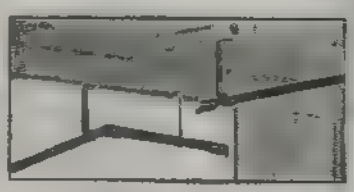
HUDSON

All steel, mounted switches easy acting, assembled and ready for installation. An easy pull on chain from below transfers track to connecting track with perfect alignment and automatically bars open track with safety stop, making it impossible for carrier to be pushed off track at open switch. The operation of three-way switch is the same as the operation of a two-way switch except it connects with three different sections of two different tracks from main line.

	Each
No. 103—Two-way—Wt each 26 lbs	+$18 60
No. 104—Three-way—Wt each 29 lbs	+ 23 25

Packed loose.

REMOVABLE SECTION



Designed to allow the barn doors to close where the track passes out of doorway, this removable section is used. This section is furnished with splice clamps that fit exactly to ends of adjoining track sections.

The removable section can be easily lifted out to allow door to close or easily replaced when carrier is used

	Each
No. 105—Wt each 4½ lbs	+$4 35

Packed loose.

FEED TRUCKS

Box made of selected seasoned hardwood. Bottom and ends 24 gauge galvanized steel. 1 inch cleats at sides, bottoms and ends. Corners at end, bottom and sides bound with ⅛ inch bar iron. Large wheels 20 inches in diameter, 2 inch face; 1 inch solid cold rolled steel axles. Swivel wheel 7 inches in diameter. One load feeds 20 cows.

	Ea.
No. 41—Capacity 16 bu; length 70 ins; width 24 ins; depth 30 ins	+$86 25

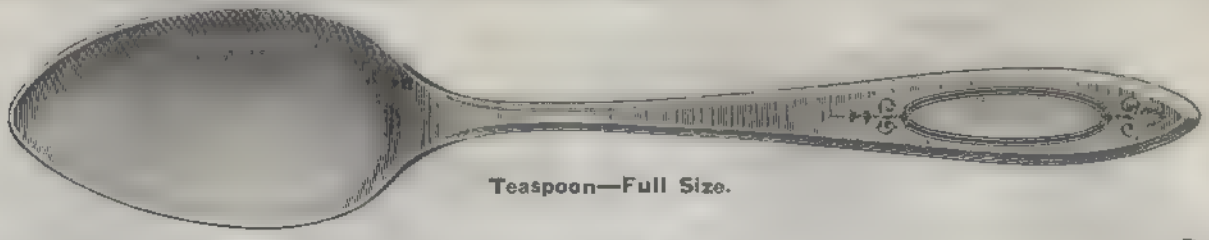
Packed loose; wt each 145 lbs.

+F. O. B. Minnesota Factory Only.

ONEIDA COMMUNITY PLATE SILVERWARE

ADAM PATTERN—BRIGHT FINISH

A design of unusual grace and refinement, embodying the very essence of that delicate beauty for which the work of those two great masters, Robert Adam and his brother James, is noted.

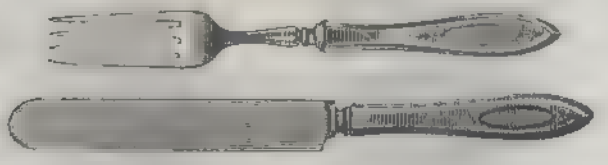


Teaspoon—Full Size.

			Per Doz
No. 10602	(Old No. OCA5)	Teaspoons, length 6 ins; wt per doz 9 ozs	$14 25
No. 10603	(Old No. OCA9)	Dessert spoons, length 7¼ ins; wt per doz 12 ozs	27 30
No. 10604	(Old No. OCA10)	Soup spoons, round bowl, length 7⅛ ins; wt per doz 13 ozs	28 50
No. 10605	(Old No. OCA12)	Tablespoons, length 8¼ ins; wt per doz 15 ozs	28 50

Half doz in cardboard box.

HOLLOW HANDLE KNIVES AND FORKS



Medium. Lgth knives 9¾ ins; lgth forks 7½ ins.

	Per Set
No. OCAHKF—Medium knives and forks, in sets of 6 each	$42 00
	Per Doz
No. 10611 (Old No. OCAHK)—Medium knives only	$42 00
No. 10613 (Old No. OCAHF)—Medium forks only	42 00
No. 10665 (Old No. OCAHSSK)—Medium De Luxe knives only, with stainless steel blades	51 60

Half doz in flannel roll; wt per doz pieces about 1½ lbs.

Dessert. Lgth knives 8¾ ins; lgth of forks 7 ins.

	Per Set
No. OCAHDKF—Dessert knives and forks, in set of 6 each	$41 25
	Per Doz
No. 10612 (Old No. OCAHDK)—Dessert knives only	$41 25
No. 10614 (Old No. OCAHDF)—Dessert forks only	41 25

Half doz in a flannel roll; wt per doz pieces about 1¼ lbs.

MODEL HANDLE KNIVES AND SPOON HANDLE FORKS

Medium. Lgth knives 9⅛ ins; lgth forks 7¼ ins.

	Per Set
No. 10803 (Old No. OCAMMKF)—Model handle knives and spoon handle forks, in sets of 6 each	$27 75
	Per Doz
No. 10615 (Old No. OCAMMK)—Medium knives only	$27 75
No. 10607 (Old No. OCA12F)—Medium forks only	27 75
No. 10594 (Old No. OCAMMSSK)—Model handle knives only, with stainless steel blades	32 40

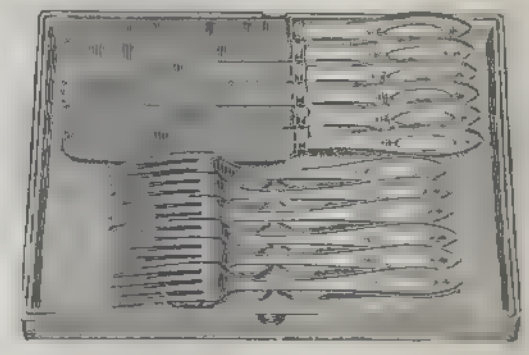
Half doz in racked box; wt per doz pieces about 1½ lbs.

Dessert. Lgth knives 8⅛ ins; lgth fork 7 ins.

	Per Set
No. OCAMDKF—Model handle knives and spoon handle forks, in sets of 6 each	$27 15
	Per Doz
No. 10616 (Old No. OCAMDK)—Model handle knives only	$27 15
No. 10606 (Old No. OCA9F)—Spoon handle forks only	27 15

Half doz in racked box; wt per doz pieces about 1¼ lbs.

HOLLOW HANDLE KNIFE AND FLAT FORK SETS



Medium

Length of knives 9¾ inches; length of fork 7½ inches.

	Per Set
No. 10742 (Old No. OCAHK12F) Medium knives and forks in sets of 6 each	$34 80

One set in racked box; wt per set 2⅛ lbs.

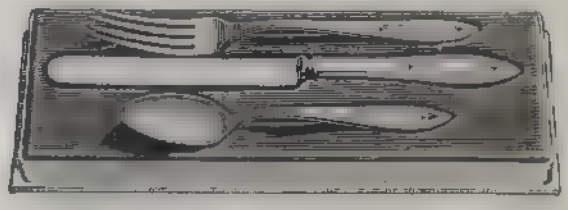
Dessert

Length of knives 8¾ inches; length of forks 7 inches.

	Per Set
No. 10743 (Old No. OCAHDK9F)—Dessert knives and forks in sets of 6 each	$33 75

One set in racked box; wt per set 2⅛ lbs.

CHILD'S SETS



An appropriate gift for the child.

	Per Set
No. 10735 (Old No. OCA3)—With hollow handle knife; length of knife 7⅛ ins; wt per set 8 ozs	$7 89
No. 10737 (Old No. OCA2)—With flat handle knife; length 7¼ ins, wt per set 7 ozs	5 91

One set in blue velvet lined box.

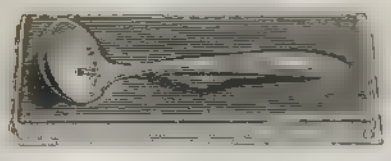
ONEIDA COMMUNITY PLATE SILVERWARE

CORRECT SERVICE PIECES

ADAM PATTERN—BRIGHT FINISH

All correct service pieces of Community Plate are packed in blue velvet gift cases.

LADLES



Each

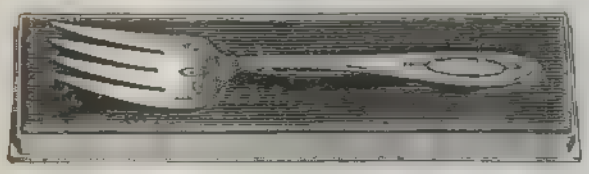
No. 10715 (Old No. OCA13)—**Cream;** length 5⅝ ins. For serving salad dressing, whipped cream and pudding sauces; wt each 4 ozs $3 93

No. 10717 (Old No. OCA14)—**Gravy;** length 6¾ ins. For deep dish serving of gravy, preserved fruits, sauces etc.; wt each 7 ozs 4 92

No. 10721 (Old No. OCA16)—**Medium Soup;** length 10⅝ ins. For serving soups, crushed fruits, etc.; wt each 14 ozs 14 76

One in blue velvet lined box.

COLD MEAT FORKS



Each

No. 10667 (Old No. OCA17)—**Large;** length 8¾ ins. For serving sliced fowl, cold meat, fish, asparagus, macaroni and spaghetti. Also used with berry spoon for salad serving; weight each 6 ozs $4 44

No. 10668 (Old No. OCA33)—**Small;** length 6⅛ ins. For serving sliced fowl, cold meat, sardines, etc; wt each 3 ozs 3 42

One in blue velvet lined box.

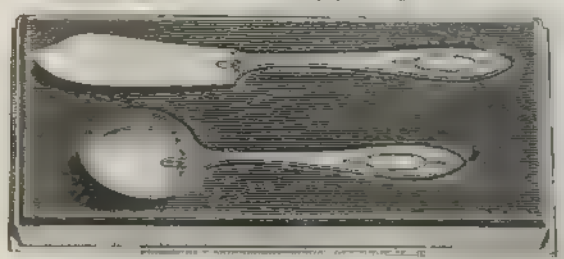
BERRY SPOONS

For serving from casserole or baking dishes. Also used with the cold meat fork for salad serving. Each

No. 10620 (Old No. OCA20)—Length 9½ ins $6 39

One in blue velvet lined box; wt each about 10 ozs.

BUTTER AND SUGAR SETS



An attractive, practical gift. Per Set

No. 10729 (Old No. OCA 47)—Two piece set $4 92

One in blue velvet lined box; wt each about 8 ozs.

BABY SPOONS

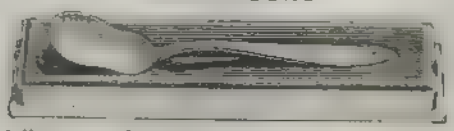
Especially designed to meet the requirements for bread and milk and cereal feasts.

Each

No. 10619 (Old No. OCA1)—Length 4 ins $1 95

One in blue velvet lined box; wt each about 2 ozs.

JAM SPOONS

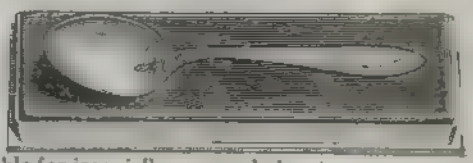


For jam, jelly marmalade, conserves, honey, etc. Each

No. 10483 Old No. OCA54—Length 5¼ ins $2 46

One in blue velvet lined box; wt each about ¼ ozs.

SUGAR SPOONS



Desirable for jam, jelly, marmalade, etc. Each

No. 10650 (Old No. OCA4)—Length 5⅞ ins $2 46

One in blue velvet lined box; wt each about ¼ ozs.

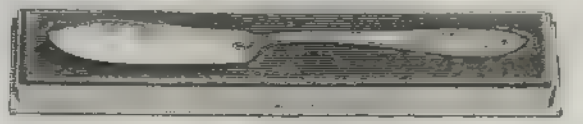
SUGAR TONGS

Each

No. 10708 (Old No. OCA51)—Length 4 ins $2 97

One in blue velvet lined box; wt each about ⅛ lb.

BUTTER KNIVES



Butter server, an attractive, practical gift. Each

No. 10695 (Old No. OCA7)—Length 7½ ins. $2 46

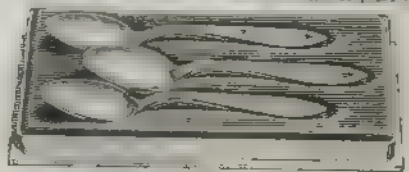
One in blue velvet lined box; wt each about ¼ ozs.

PRESERVE SPOONS

For serving from casserole or baking dishes. Also used with the cold meat fork for salad serving. Each

No. 10647 Old No. OCA50—Length 7⅜ ins $4 92

One in blue velvet lined box; wt each 5 ozs



COFFEE SPOONS

For small cup service.

Per Set of Six

No. 10625 Old No. OCA5—Length 4¼ ins $7 38

Set of six in blue velvet lined box; wt per set 6 ozs.

ONEIDA COMMUNITY PLATE SILVERWARE

CORRECT SERVICE PIECES

ADAM PATTERN—BRIGHT FINISH

All correct service pieces of Community Plate are packed in blue velvet gift cases.

PIERCED SERVERS

For serving tomatoes, pineapples, cucumbers, poached or fried eggs, fritters, waffles, fish cakes, croquettes, etc.

Each

No. 10690 (Old No. OCA52)—Length 7⅝ ins..... $5 91

One in blue velvet lined box; wt each 5 ozs.

BABY FORKS

An ideal gift for the baby.

Each

No. 10628 (Old No. OCA1F)—Length 4 ins..... $1 95

One in blue velvet lined box; wt each 2 ozs.

BABY SETS

Especially designed to meet the requirements for bread, milk and cereal feasts.

Per Set

No. 10738—Two piece set..... $3 90

One set in velvet lined box; wt per set 4 ozs.

OLIVE SPOONS

For serving olives, pickles, salted nuts, etc.

Each

No. 10656 (Old No. OCA67)—Length 5¾ ins..... $3 42

One in blue velvet lined box; wt each 4 ozs.

JELLY SERVERS

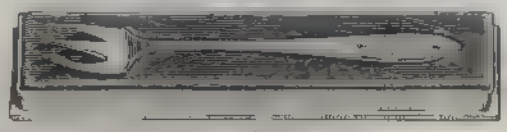
For serving jelly, cheese, honey, etc

Each

No. 10623 (Old No. OCA53)—Length 5¾ ins..... $2 97

One in blue velvet lined box; wt each 4 ozs.

PICKLE FORKS



For serving pickles, olives, relished, etc.

Each

No. 10646 Old No. OCA23)—Length 6⅛ ins..... $2 97

One in blue velvet lined box; wt each 3 ozs.

PIE SERVERS

For serving pie, brick ice cream, cake, etc.

Each

No. 10710 (Old No. OCA11)—Length 10⅜ ins..... $7 89

One in blue velvet lined box; wt each 8 ozs.

PASTRY SERVERS

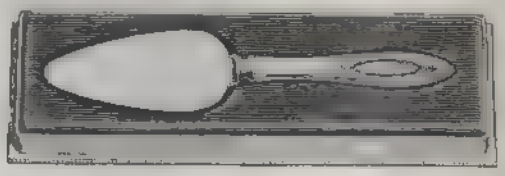
For serving pie, brick ice cream, cake, etc.

Each

No. 10484 (Old No. OCA39)—Length 11 ins..... $7 89

One in blue velvet lined box; wt each 5 ozs.

CHEESE SERVERS



For serving cheese, etc.

Each

No. 10815 (Old No. OCA38)—Length 6½ ins..... $4 92

One in blue velvet lined box; wt each 4 ozs.

CHEESE SCOOP

For serving grated and cottage cheese.

Each

No. 10610 Old No. OCA34)—Length 8 ins..... $8 85

One in blue velvet lined box; wt each 8 ozs.

PASTRY FORKS

For serving pie, pastry etc.

Each

No. 10990 (Old No. OCA27,—Length 8½ ins..... $4 92

One in blue velvet lined box; wt each 3 ozs.

ONEIDA COMMUNITY PLATE SILVERWARE

CORRECT SERVICE PIECES

ADAM PATTERN—BRIGHT FINISH

All correct service pieces of Community Plate are packed in blue velvet gift cases.

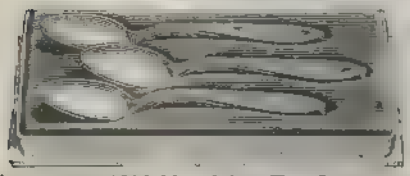
LEMON FORKS

For serving lemons, etc. — Each

No. 10661 (Old No. OCA43) Length 5½ ins. $1 95

One in blue velvet lined box; wt each 2 ozs.

FIVE O'CLOCK TEA SPOONS



For tea, sherbets, ices, sundaes, etc.

Per Set of Six

No. 10601 (Old No. OCA5T)—Length 5 ins. .. $7 38

One set in blue velvet lined box; wt per set 7 ozs.

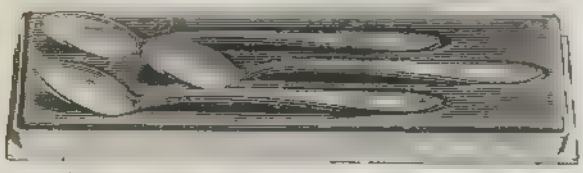
SALAD SERVING SETS

Combining the berry spoon and cold meat fork. — Per Set

No. 10741 (Old No. OCA1750)—Two piece set $9 36

One set in blue velvet lined box; wt per set 10 ozs.

ICE TEA SPOONS



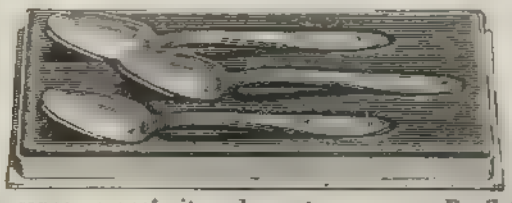
For iced tea and coffee, chocolate, lemonade and highballs.

Per Doz

No. 10629 Old No. OCA31) Length 7¼ ins. $23 64

Half doz in blue velvet lined box; wt per doz 1½ lbs.

ORANGE SPOONS

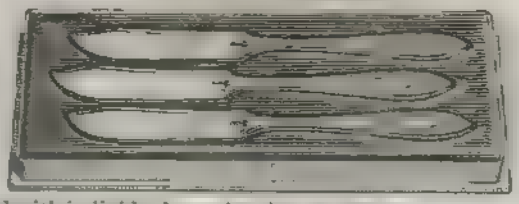


For oranges, grapefruit, melons, etc. — Per Set of Six

No. 10641 (Old No. OCA24) Length 5¾ ins. .. $10 83

Set of six in velvet lined box; wt per set 10 ozs.

BUTTER SPREADERS



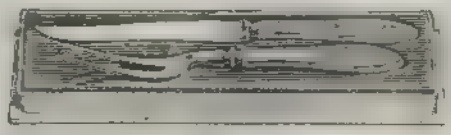
Used with individual bread and butter plates.

Per Set of Six

No. 10697 (Old No. OCA22)—Length 6¼ ins. $11 82

Set of six in velvet lined box, wt per set 15 ozs.

CARVING SETS



Steak, fowl or breakfast service.

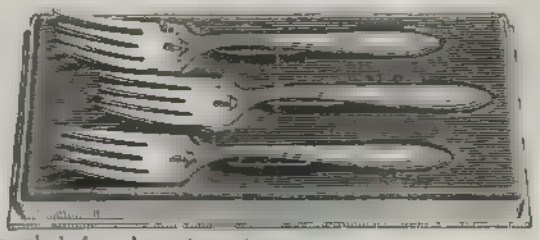
Per Pair

No. 10728 (Old No. OCA9SSC)—Hollow handle, stainless steel blade $13 68

No. 10596 (Old No. OCA19SSC)—Model handle, stainless steel blade 11 55

One set in blue velvet lined box; wt per set 11 ozs.

SALAD FORKS



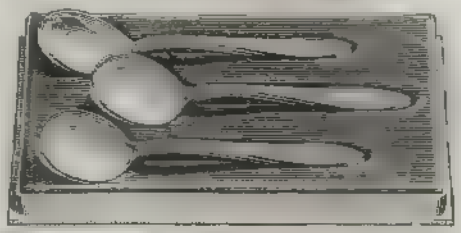
For salad, french pastry, etc.

Per Set of Six

No. 10688 (Old No. OCA28)—Length 6¼ ins. $13 80

Set of six in blue velvet lined box; wt per set 12 ozs.

BOUILLON SPOONS



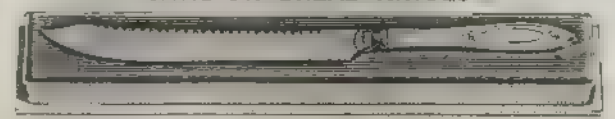
For bouillon, consomme and soups when served in cups.

Per Set of Six

No. 10622 Old No. OCA8 Length 4⅞ ins. .. $13 80

Set of six in blue velvet lined box; wt per set 10 ozs.

CAKE OR BREAD KNIVES



Each

No. 10989 Old No. OCA32) Length 11⅝ ins. $8 37

One in blue velvet lined box; wt each 6 ozs.

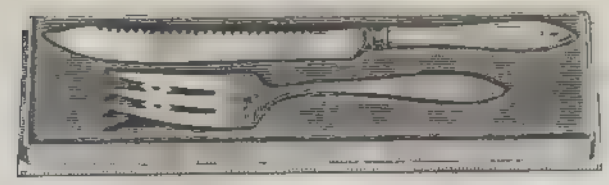
ONEIDA COMMUNITY PLATE SILVERWARE

CORRECT SERVICE PIECES

ADAM PATTERN—BRIGHT FINISH

All correct service pieces of Community Plate are packed in blue velvet gift cases.

CAKE SERVING SETS



Combining the cake serving fork and cake or bread knife. Per set

No. 10791 Old No. OCA29 Two piece set; length of knife 11⅛ ins **$13 29**

One set in blue velvet lined box; wt per set 10 ozs.

FRUIT KNIVES

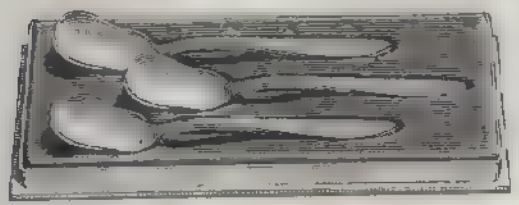
Per Set of Six

No. 10704 (Old No. OCA30SS)—Hollow handle; stainless steel blades **$21 27**

No. 10698 (Old No. OCA46SS) Model handle; stainless steel blades **13 92**

Set of six in blue velvet lined box; wt per set 1¼ ozs.

ICE CREAM SPOONS

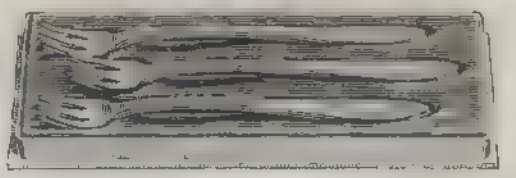


For sundaes sherbets ices, desserts, etc Per Set of Six

No. 10657 (Old No. OCA21) Length 5¾ ins **$10 83**

Set of six in blue velvet lined box; wt per set 10 ozs.

OYSTER FORKS



For oysters clams, lobsters, shrimps, etc. Per Set of Six

No. 10679 (Old No. OCA25)—Length 6⅛ ins **$9 84**

Set of six in blue velvet lined box, wt per set 8 ozs.

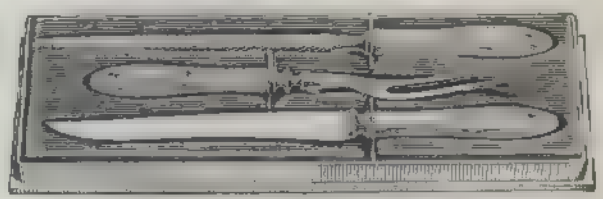
PIE FORKS

Pie server, an attractive, practical gift. Per Set of Six

No. 10660 (Old No. OCA8P)—Length 7½ ins..... **$15 75**

Set of six in blue velvet lined box; wt per set 1¼ ozs.

HOLLOW HANDLE CARVING SETS



For large roasts, turkeys, etc. Per Set

No. 10725 (Old No. OCA18SS) Stainless steel blade **$33 57**

One set in blue velvet lined box; wt per set 1⅞ lbs.

The Primble trademark represents quality through and through.

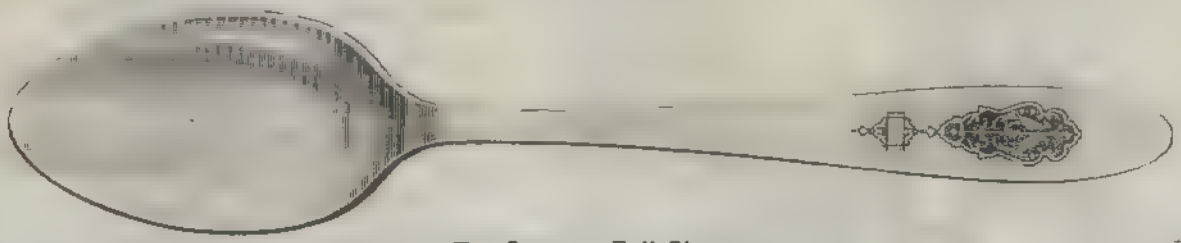
PRIMBLE

Quality is an important thing to consider when buying cutlery.

ONEIDA COMMUNITY PLATE SILVERWARE

BIRD OF PARADISE PATTERN—BRIGHT BUTLER FINISH

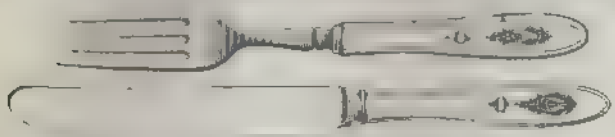
Presenting a New and Modern Note in Silverware Design. For Those who Seek in Their Homes Interesting, Colorful and Vogueish.



Tea Spoons—Full Size.

	Per Doz
No. 12602 (Old No. BP-6)—Teaspoons; length 6 ins; wt per doz 9 ozs	$14 25
No. 12603 (Old No. BP-9) Dessert spoons; length 7⅛ ins; wt per doz 12 ozs	27 30
No. 12605 (Old No. BP-12)—Table spoons; length 8⅛ ins; wt per doz 16 ozs	28 50
No. 12604 (Old No. BP-10)—Soup spoons; length 7 ins; wt per doz 16 ozs	28 50

HOLLOW HANDLE KNIVES AND FORKS



Length knives 9¼ inches; length forks 7½ inches.

	Per Set
No. BPHKF—Medium knives and forks in sets of 6 each	$42 00
	Per Doz
No. 12611 (Old No. BPHHK)—Medium knives only, plain plated blade	$42 00
No. 12613 (Old No. BPHF) –Medium forks only	42 00
No. 12665 (Old No. BPHSSK)—Medium De Luxe knives only, with stainless steel blades	51 60

Half doz in flannel roll; wt per doz pieces about 1½ lbs

Dessert.

Length knives 8¾ inches; length forks 7 inches.

	Per Set
No. BPHDKF—Dessert knives and forks in set of 6 each	$41 25
	Per Doz
No. 12612 (Old No. BPHDK)—Dessert knives only	$41 25
No. 12614 (Old No. BPHDF)—Dessert forks only	41 25

Half doz in flannel roll, wt per doz pieces about 1½ lbs.

MODEL HANDLE KNIVES & SPOON HANDLE FORKS

Medium.

Length knives 9⅛ inches; length forks 7½ inches; plated blades.

	Per Set
No. 12803 (Old No. BPMMKF)—Model handle knives and spoon handle forks in sets of 6 each	$27 75
	Per Doz
No. 12615 (Old No. BPMMK)—Medium knives only	$27 75
No. 12607 (Old No. BP12F) Medium forks only	27 75
No. 12594 (Old No. BPMMSSK)—Model handle knives only, with stainless steel blades	31 80

Half doz in packed box, wt per doz pieces about 1 ½ lbs.

Dessert.

Length knives 8⅛ inches; length forks 7 inches.

	Per Set
No. 12982 (Old No. BPMDKF)—Model handle knives and spoon handle forks in set of 6 each	$27 15
	Per Doz
No. 12616 (Old No. BPMDK)—Model handle knives only	$27 00
No. 12606 (Old No. BP9F, Spoon handle forks only	26 70

Half doz in racked box; wt per doz pieces about 1¼ lbs.

HOLLOW HANDLE KNIVES AND FLAT FORK SETS

Medium.

Length knives 9¾ inches; length forks 7½ inches.

	Per Set
No. 12742 (Old No. BPHK12F)—Medium knives and fork in sets of 6 each	$34 80

One set in racked box; wt per set 3[illegible] lbs

Dessert.

Length knives 8¾ inches; length forks 7 inches.

	Per Set
No. 12743 (Old No. BPHDK9F)—Dessert knives and fork in sets of 6 each	$33 75

One set in racked box; wt per set [illegible] lbs.

CHILD'S SETS

An appropriate gift for the child.

	Per Set
No. 12735 (Old No. BP3—With hollow handle knife, length knife 7⅛ ins; wt per set 8 ozs	$7 89
No. 12737 (Old No. BP2—With flat handle knife, length knife 7¼ ins; wt per set 7 ozs	5 91

One set in blue velvet lined box.

ONEIDA COMMUNITY PLATE SILVERWARE

CORRECT SERVICE PIECES

BIRD OF PARADISE PATTERN—BRIGHT BUTLER FINISH

All Correct Service Pieces of Community Plate are Packed in Blue Velvet Gift Cases.

LADLES

Each

No. 12715—(Old No. BP13) **Cream**; length 5⅜ ins. For serving salad dressing, whipped cream and pudding sauces, wt each 4 ozs. $3 93

No. 12717—(Old No. BP14) **Gravy**; length 6¼ ins. For deep dish serving gravy, preserved fruits, sauces, etc, wt each 7 ozs. 4 92

No. 12721—(Old No. BP16) **Medium Soup**; length 10⅝ ins. For serving soups, crushed fruits, etc; wt each 14 ozs. 14 76

One in blue velvet lined box.

COLD MEAT FORKS

Each

No. 12667—(Old No. BP17) **Large**; length 8¾ ins. For serving sliced fowl, cold meat, fish, asparagus, macaroni and spaghetti, also used with berry spoon for salad serving, wt each 6 ozs. $4 44

No. 12668—(Old No. BP53) **Small**; length 6 ins. For serving sliced fowl, cold meat, sardines etc; wt each, 3 ozs. 3 42

One in blue velvet lined box.

BERRY SPOONS

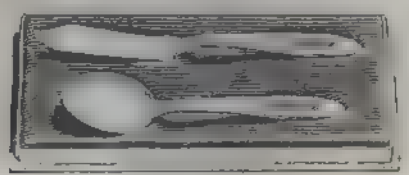
For serving from casserole or baking dishes. Also used with cold meat fork for salad serving.

Each

No. 12620—(Old No. BP20) Length 9⅛ ins. $6 39

One in blue velvet lined box; wt each 10 ozs.

BUTTER AND SUGAR SETS



An attractive, practical gift.

Per Set

No. 12729—Old No. BP47 Two-piece $4 92

One in blue velvet lined box; wt each about 8 ozs.

BABY SPOONS

Especially designed to meet the requirements for bread, milk and cereal feasts.

Each

No. 12619—(Old No. BP1) Length 4 ins. $1 95

One in blue velvet lined box; wt each 2 ozs.

BABY FORKS

An ideal gift for baby.

Each

No. 12628—(Old No. BP1F) Length 4 ins. $1 95

One in blue velvet lined box; wt each 2 ozs.

BABY SETS

Especially designed to meet the requirements for bread, milk and cereal feasts.

Per Set

No. 12738—Old No. BP4. Two piece set $3 90

FIVE O'CLOCK TEA SPOONS

For teas, sherbets, ices sundaes etc.

Per Set of 6

No. 12601—(Old No. BP5T) Length 5 ins. $7 38

One set in blue velvet lined box, wt per set 7 ozs.

COFFEE SPOON

For small cup service.

Per Set of 6

No. 12623—Old No. BP5 Length 4 ins. $7 38

Set of 6 in blue velvet lined box; wt per set 6 ozs.

BOUILLON SPOONS

For bouillon, consomme and soups when served in cups.

Per Set of 6

No. 12622—(Old No. BP8) Length 4½ ins. $13 80

Set of 6 in blue velvet lined box, wt per set 10 ozs.

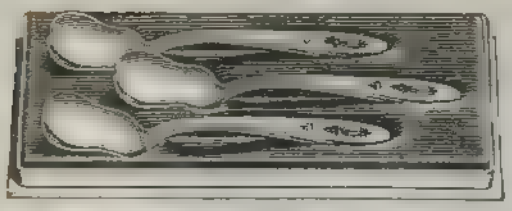
ONEIDA COMMUNITY PLATE SILVERWARE

CORRECT SERVICE PIECES

BIRD OF PARADISE PATTERN—BRIGHT BUTLER FINISH

All Correct Service Pieces of Community Plate are Packed in Blue Velvet Gift Cases.

ICE CREAM SPOONS

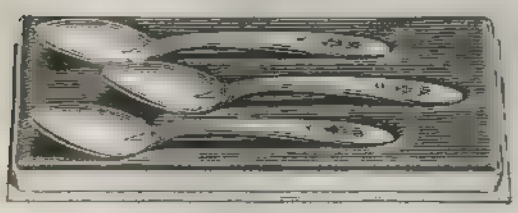


For sundaes, sherbets, ices, desserts, etc. Per Set of 6

No. 12657—(Old No. BP21) Length 5⅛ ins. $10 83

Set of 6 in blue velvet lined box; wt per set 10 ozs.

ORANGE SPOONS

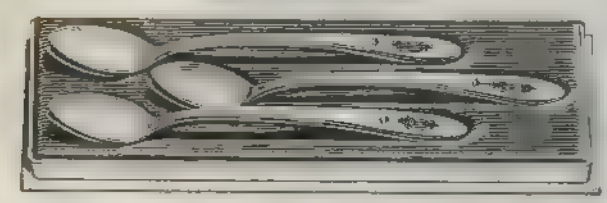


For oranges, grapefruit, mellons, etc. Per Set of 6

No. 12641 (Old No. BP24) Length 5⅜ ins. $10 83

Set of 6 in blue velvet lined box; wt per set 10 ozs.

ICE TEA SPOONS



For iced tea and coffee, chocolate, lemonade and light balls Per Doz

No. 12629—(Old No. BP31) Length 7½ ins $23 64

Set of 6 in blue velvet lined box; wt per set 1¼ lbs.

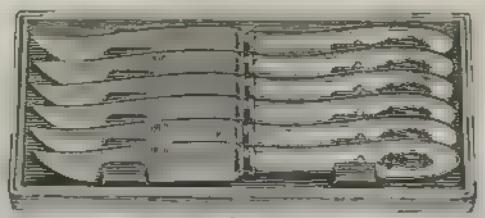
BUTTER SPREADERS

Used with individual bread and butter plates. Per Set of 6

No. 12697 Old No. BP22 Length 6¼ ins. . . . $14 82

Set of 6 in blue velvet lined box, wt per set 15 ozs

FRUIT KNIVES

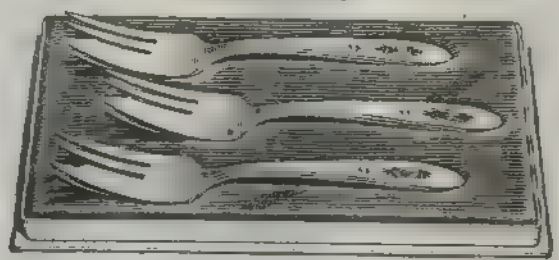


For serving oranges, grapefruit, etc. Per Set of 6

No. 12704 Old No. BP30SS) Hollow handle, stainless steel blades. $21 27

Set of 6 in blue velvet lined box, wt per set 16 ozs

PIE FORKS

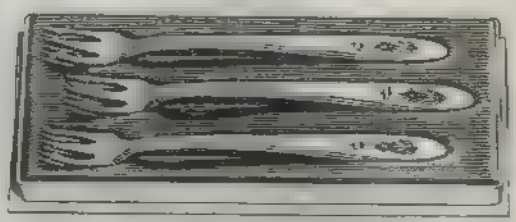


Pie server, an attractive, practical gift. Per Set of 6

No. 12660—(Old No. BP8P) Length 7½ ins . . $15 75

Set of 6 in blue velvet lined box; wt per set 16 ozs.

OYSTER FORKS

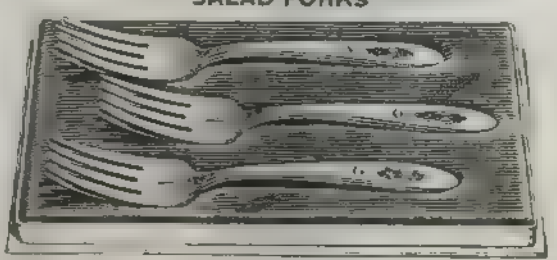


For oysters, clams, lobsters, shrimp, seafood, cocktails, etc. Per Set of 6

No. 12679 Old No. BP25) Length 6⅞ ins $9 84

Set of 6 in blue velvet lined box; wt per set ¾ lb

SALAD FORKS



For salad, french pastry, etc. Per Set of 6

No. 12688— Old No. BP28 Length 6½ ins. . . . $13 80

Set of 6 in blue velvet lined box; wt per set 12 ozs

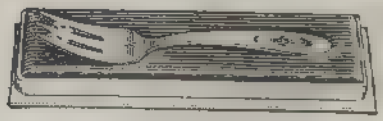
ONEIDA COMMUNITY PLATE SILVERWARE

CORRECT SERVICE PIECES

BIRD OF PARADISE PATTERN—BRIGHT BUTLER FINISH

All Correct Service Pieces of Community Plate are Packed in Blue Velvet Gift Cases.

PASTRY FORK



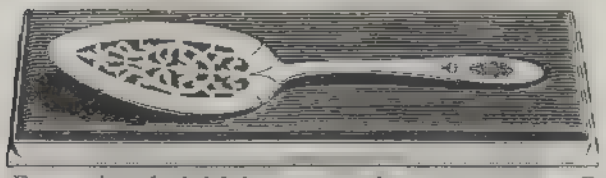
For serving pie, pastry, etc.

Each

No. 12990—(Old No. BP27) Length 8¼ ins $4 92

One in blue velvet lined box; wt each 2 ozs.

PASTRY SERVERS



For serving pie, brick ice cream, cake, etc. Each

No. 12484—(Old No. BP39) Length 11 ins $7 89

One in blue velvet lined box; wt each 5 ozs.

HOLLOW HANDLE CARVING SETS

Two-piece. Steak, fowl or breakfast service.

Per Set

No. 12728—(Old No. BP9SS) Hollow handle stainless steel blade $13 68

No. 12596—(Old No. BP19SS) Model handle stainless steel blade 11 55

One set in blue velvet lined box; wt per set 11 ozs.

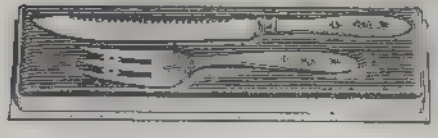
Three-piece. For large roasts, turkey, etc.

Per Set

No. 12725—(Old No. BP18SS) Length knife 15 ins, stainless steel blades $33 57

One set in blue velvet lined box; wt per set 2 lbs

CAKE SERVING SETS



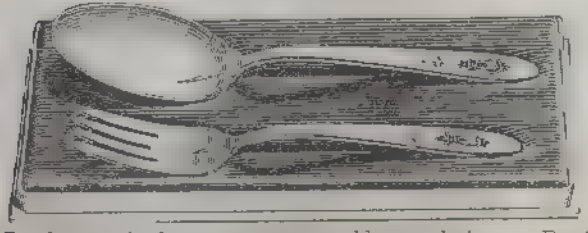
Combining the cake serving fork and cake or bread knife.

Per Set

No. 12791—(Old No. BP29) Lgth knife 11⅝ ins $13 29

One set in blue velvet lined box; wt per set 10 ozs.

SALAD SERVING SETS



Combining the berry spoon and cold meat fork. Per Set

No. 12741—(Old No. BP17S) Two-piece set $9 36

One set in blue velvet lined box; wt per set 10 ozs.

CHEESE SERVERS

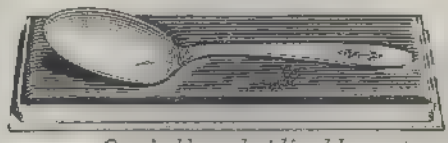
For serving cheese, etc.

Each

No. 12815—(Old No. BP38) Length 6⅛ ins. $4 92

One in blue velvet box; wt each 4 ozs.

SUGAR SPOONS



Desirable for jam, jelly, marmalade, etc. Each

No. 12650—(Old No. BP4) Lgth 5⅞ ins $2 46

One in blue velvet lined box; wt each 4 ozs.

BUTTER KNIVES

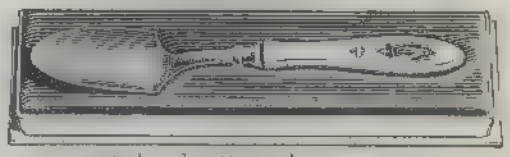
Butter server, an attractive, practical gift.

Each

No. 12695—(Old No. BP7) Length 7½ ins $2 46

One in blue velvet lined box; wt each 4 ozs

CHEESE SCOOPS



For serving grated and cottage cheese.

Each

No. 12610—(Old No. BP34) Length 8 ins $8 85

One in blue velvet lined box; wt each 8 ozs.

PIE SERVERS

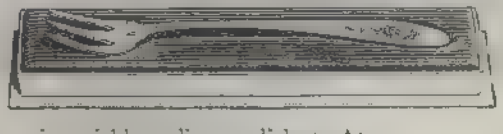
For serving pie, brick ice cream, cake, etc.

Each

No. 12710—(Old No. BP11) Length 10⅛ ins $7 89

One in blue velvet lined box; wt each 8 ozs.

PICKLE FORKS



For serving pickles, olives, relishes, etc.

Each

No. 12646—(Old No. BP23) Length 6⅜ ins $2 97

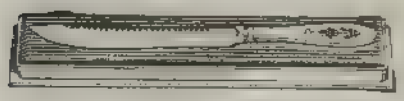
ONEIDA COMMUNITY PLATE SILVERWARE

CORRECT SERVICE PIECES

BIRD OF PARADISE PATTERN—BRIGHT BUTLER FINISH

All correct Service Pieces of Community Plate are Packed in Blue Velvet Gift Cases.

CAKE OR BREAD KNIVES

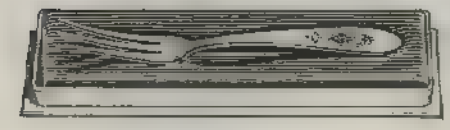


Each

No. 12939 Old No. BP32 Length 11⅜ ins $8 37

One in blue velvet lined box, wt each 6 ozs.

LEMON FORKS



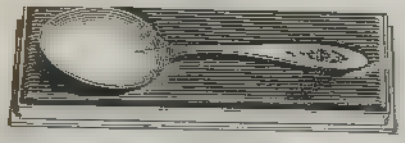
For serving lemons, etc.

Each

No. 12661 Old No. BP43 Length 5⅛ ins $1 95

One in blue velvet lined box; wt each 2 ozs.

SMALL BERRY SPOONS



For serving from casserole or baking dishes. Also used with cold meat fork for salad serving.

Each

No. 12647—(Old No. BP50) Length 7¾ ins $4 92

One in blue velvet lined box; wt each 6 ozs.

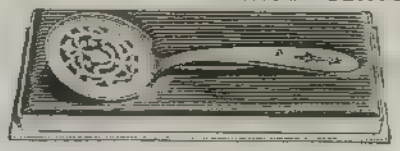
SUGAR TONGS

Each

No. 12708—(Old No. BP51) Length 4 ins $2 97

One in blue velvet lined box; wt each 2 ozs.

PIERCED SERVER



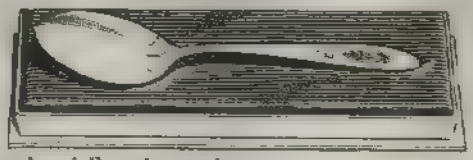
For serving tomatoes, pineapple, cucumbers, poached or fried eggs, fritters, waffles, fish cakes, croquettes, etc.

Each

No. 12690 Old No. BP52 Length 7⅝ ins $5 91

One in blue velvet lined box, wt each 5 ozs

JELLY SERVERS



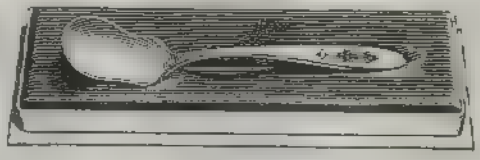
For serving jelly, cheese, honey, etc.

Each

No. 12623—(Old No. BP53 Length over all 5¾ ins $2 97

One in blue velvet lined box; wt each 4 ozs.

JAM SPOONS



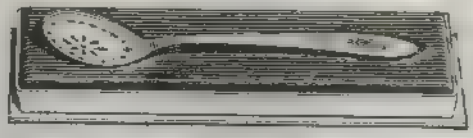
For jam, preserves, jelly, marmalade, etc.

Each

No. 12483 Old No. BP54) Length 5¾ ins $2 46

One in blue velvet lined box wt each 4 ozs.

OLIVE SPOONS



For serving olives, pickles, salted nuts, etc.

Each

No. 12656—(Old No. BP67 Length 5¾ ins $3 42

One in blue velvet lined box; wt each 4 ozs.

THE "PRIMBLE" TRADE MARK REPRESENTS THE BEST TO BE HAD IN CUTLERY.

RAZORS

—JOHN PRIMBLE—

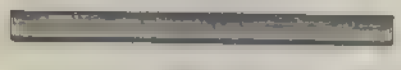


Fig. 1

Fig. 2

Fig. 3

Fig. 4

Fig. 5

Fig. 6

Fig. 7

Fig. 8

The Blade in the Making.

Fig. No. 1 represents the very finest quality of English bar steel, from which every Primble Razor Blade is made.

Fig. No. 2 represents the first forging of blade.

Fig. No. 3 represents the second forging of blade, including the marking of the rivet hole.

Fig. No. 4 represents Figure No. 3, but trimmed and shaped

Fig. No. 5 represents the blade after being hardened and tempered. It is impossible to show in an engraving an exact reproduction of No. 5, but the blade referred to shows the coloring of the steel after being tempered. The streak running through the center represents the test made to determine whether the blade has been perfectly tempered.

This is one of the most critical stages in the manufacture of the blade, as at this point the cutler is to determine whether he is to pocket a loss by throwing away a blade of imperfect temper, or look to the future for returns due to the honest manufacture, who produces only the highest type of goods sustained by finest material and skilled labor.

Between the processes represented by Figs. 4 and 5, the rivet hole is made, as it would be impossible to perform that operation after the razor is tempered.

Fig. No. 6 represents the first process of concaving.

Fig. No. 7 represents the blade fully sharpened and ground, and ready to pass to the purchaser. This, like Fig. No. 5, represents another critical stage in the manufacture of the blade.

Even in the process of grinding, the temper may be drawn and, therefore, the cutting quality spoiled, and as is the case with No. 5, the manufacturer must again determine as to whether he will incur a loss by discarding the blade rather than impair his reputation.

The Finished Blade.

Fig. No. 8 represents the full finished blade ready to be handled, after which the razor is honed, packed and boxed ready for the market. Primble Razors do not have to be rehoned before using, every blade being set ready for use before it is boxed.

It is only at this final stage that the moderate priced or still higher priced razor must be determined, the process of grinding being the most expensive of any.

Only those constantly connected with the manufacture of razors can accurately fix the value of the finished blade, the difference in the appearance of various forms of grinding being so slight.

"Hollow Ground" vs. "Full Concave."

The terms "Hollow Ground" and "Full Concave" are frequently confounded. Fig. No. 6 represents a blade that might be finished very quickly into a "Hollow Ground" razor. Fig. No. 8, however, represents a "Full Concave" razor requiring several times the amount of labor as would be necessary for a razor worthy of the term "hollow ground."

The same type of grinding may be produced in a different pattern of blade. For example, Full Concave razors may be had on either the "open heel" type, or "double heel" type, in either round, square or hollow point.

The Swedish pattern is not susceptible to full concaving. For some beards, however, the Swedish grinding is quite as satisfactory as full concave.

Figures 1 to 7 merely represent seven distinct stages in the converting of a bar of steel into a finished razor blade, whereas thirty operations are required to produce the finished blade as shown in Fig. No. 8.

How to Strop a Razor.

Many people spoil a good razor by using a poor strop. The majority of people strop a razor too much, and bear too hard on the strop. When you first get a razor from us, it is in perfect condition and ready to shave at once. It will shave you well the first time you use it, and if you keep it in the same condition, it will always shave you satisfactorily.

The first thing after buying a razor, is to get a good strop A cheap strop is dear at any price. They will ruin the best razor, made. To strop a razor always lay the blade flat, so that the back and edge rest on the strop, drawing from heel to point with a firm, steady stroke, turning on the back.

—A PRIMBLE RAZOR BLADE—

At each stage, every blade is subjected to a most rigid test and inspection, all blades not coming up to the standard being discarded. These illustrations are shown in order that Primble Razors will not be classed with goods made up under cheaper processes. We guarantee every Primble blade to be made in the manner described above.

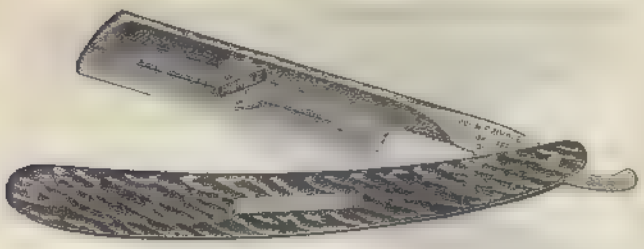
How to Use a Razor.

Use warm water and rub the lather well into the face to soften the beard. Draw the razor with an easy diagonal motion against the beard. Do not scrape with the razor, or hold it at almost right angles to the face, as you will spoil the cutting edge, irritate the skin and cause the best razor to fail.

People who know nothing at all about handling a razor are liable to condemn a good razor when they do not know how to use it.

RAZORS

—JOHN PRIMBLE—



Hollow Ground.

Crocus polished. Enclosed in a gold lettered folding leather case.

Patent Stag.

	Per Doz
No. 1021 —⅝ inch blade, oval point	$57 00

One in gold lettered leather folding case; wt per doz 1¼ lbs.

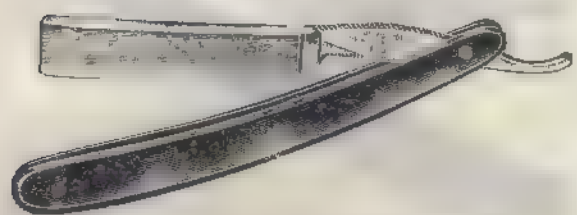
Plain blade, glazed.

Hollow Ground. Rubber Handle.

	Per Doz
No. 1004SP-½—½ in. blade, square point	$37 50
No. 1004SP-⅝—⅝ in. blade, square point	37 50
No. 1004RP-½—½ in. blade, round point	37 50
No. 1004RP-⅝—⅝ in. blade, round point	37 50

One in box; wt per doz 1¾ lbs.

—OLD HONESTY—



This razor is made from the very best steel and by the most skillful mechanics in the art of razor manufacturing

	Per Doz
No. 1091⅝SP—Rubber handle; ⅝ in blade, square point	$66 00
No. 1091⅝RP—Rubber handle; ⅝ in blade; round point	66 00

One in box; wt per doz 1¾ lbs.

RAZORS

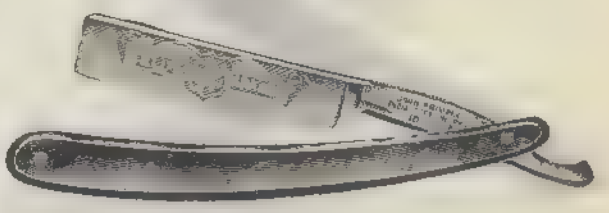
—GOLDEN PRIMBLE—

Extra fine blade, hollow ground, damescene (frosted) etching. Steel tang, gold plated; golden amber handle.

	Per Doz
No. 1100-$^{3}/_{16}$**S**—$^{3}/_{16}$ in. blade; square point	$75 00
No. 1100-$^{3}/_{16}$**R**—$^{3}/_{16}$ in. blade; round point	75 00
No. 1100-⅝S—⅝ in. blade; square point	75 00
No. 1100-⅝R—⅝ in. blade; round point	75 00

One in box; wt per doz 1¾ lbs.

—BLUE GRASS—



Steel Tang. Regulation weight. Flat rubber handle, all steel tang.

	Per Doz
No. 1030-½—½ in blade; square point	$63 00
No. 1030-⅝—⅝ in blade; square point	63 00
No. 1030-¾—¾ in. blade; square point	63 00

One in box; wt per doz 1¾ lbs.

—BLUE GRASS—

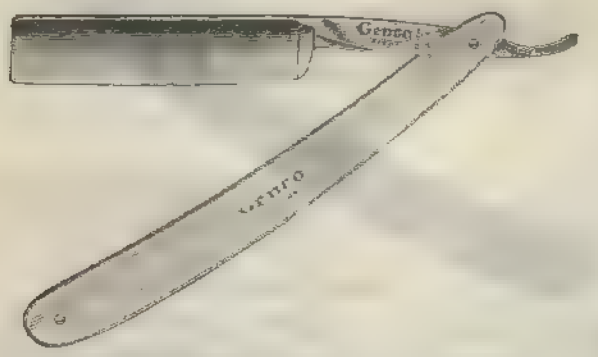
Steel Tang. Regulation weight, flat rubber handle, all steel tang.

	Per Doz
No. 1032-½—½ in. blade; round point	$63 00
No. 1032-⅝—⅝ in. blade; round point	63 00
No. 1032-¾—¾ in. blade; round point	63 00

One in box.

RAZORS

GENCO EXPERT



Hollow Ground, Extra Full Concave.

Extremely fine polished blade, highly colored; flat imitation ivory handle, with beveled edges and round ends.

		Per Doz
No. E4/8SP—1/2 in. blade, square point	72 00	$60 00
No. E5/8SP—5/8 in. blade, square point	72 00	60 00
No. E4/8RP—1/2 in. blade, round point	72 00	60 00
No. E5/8RP—5/8 in. blade, round point	72 00	60 00

One in box.

WADE AND BUTCHER SPECIAL

Full Hollow Ground.

Highest grade English razor steel, uniformly forged, hardened and tempered, carefully ground, honed and tested. Flat white celluloid handles, gold lettering.

	Per Doz
No. 251C 5/8 in. blade, square point	$82 50
No. 251C-RP—5/8 in. blade, round point	82 50

One in box

SPECIAL

Full Hollow Ground.

Highest grade English razor steel, uniformly forged, hardened and tempered, carefully ground, honed and tested. Flat black rubber handle, gold lettering.

	Per Doz
No. 25B—5/8 in. blade, square point	$76 50
No. 25B-RP —5/8 in. blade, round point	76 50

One in box.

RAZOR HANDLES

FLAT PATTERN

	Each	Per Doz
No. 1—Black rubber, with rivets and washers	$0 45	4 50

Packed loose.

RAZOR HANDLES

OVAL PATTERN

	Each	Per Doz
No. 2—Black rubber, with rivets and washers	$0 60	6 00

Packed loose.

SAFETY RAZORS

SUPREME

Flat French ivory case with nickel hinge and catch.

Brass, triple nickel plated frame, handle and blade box.

Case size, 2 1/8x2 3/4x1/8 inches. Complete with 5 blades.

No.	50S
Wt per doz, lbs.	3
Less than 3 doz, Per Doz	$25 20
3 doz, or more, Per Doz	24 00

One in cardboard box; one doz in carton.

TRIUMPH

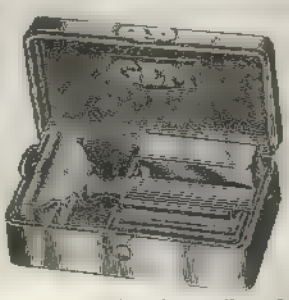
Engraved pattern design, brass case, highly nickel plated, purple velvet and satin lined. Brass triple nickeled frame, handle and blade box.

Case size 3x3x3/4 inches. Complete with 5 blades.

No.	54T
Wt per doz, lbs.	5 1/2
Less than 3 doz, Per Doz	$25 20
3 doz, or more, Per Doz	24 00

One in cardboard box, one doz in carton.

PEERLESS



Brass case, highly nickel plated, purple velvet and satin lined. Brass, triple nickeled frame, handle and blade box.

Case size 3 1/8x2x1 1/4 inches. Complete with 5 blades.

No.	55P
Wt per doz, lbs.	6
Less than 3 doz, Per Doz	$25 20
3 doz or more, Per Doz	24 00

One in cardboard box; one doz in carton.

WINNER

Wood case, black artificial leather covered, purple velvet and satin lined. Brass, triple nickeled frame, handle and blade box.

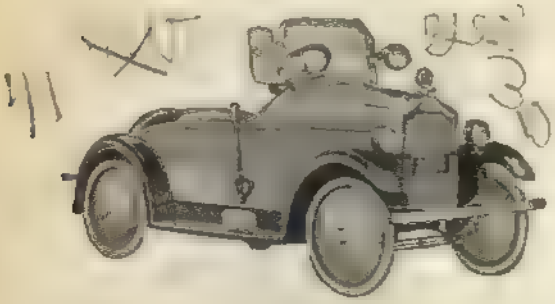
Case size 3x2 3/4x1 1/4 inches. Complete with 5 blades.

No.	52W
Wt per doz, lbs	4 1/2
Less than 3 doz, Per Doz	$25 20
3 doz or more, Per Doz	24 00

One in cardboard box; one doz in carton.

STEELCRAFT JUVENILE AUTOMOBILES

PACKARD STRAIGHT EIGHT

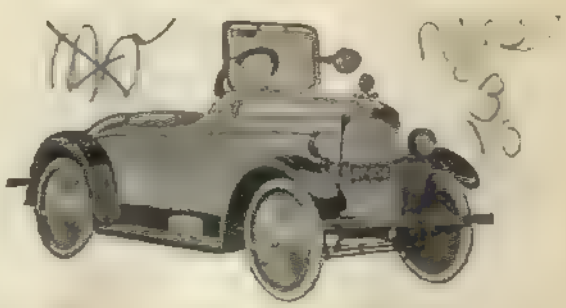


Packard Straight Eight. A De Luxe model, will accommodate children from 3 to 10 years of age. Size of car, 56½ inches over all by 25 inches wide. The body, hood, frame and wheels are entirely of heavy stamped automobile steel. The heavily nickel plated radiator conforms exactly to that on the latest type Packard car. The springs of a highly tempered steel extending from front to rear axle insure ease in riding. The body, hood and wheels are enameled liberty red and are attractively striped. The fenders, fender aprons, running board, running board shields and working parts are black enamel.

Equipment: Pedals, adjustable for from 3 to 10 years of age; fenders, double crown heavy steel with aprons; running boards and running board shields, heavy stamped steel; lamps, large De Luxe headlamps, spotlight and tail light, nickeled all over; steering wheel; brake assembly; windshield; bumpers, front and rear, nickeled bar; instrument board; spare wheel and tire; padded cushions, back and seat; wheels, 12-inch double disc with contained roller bearing and 1-inch rubber tires. Weight, 120 pounds.

Steelcraft Packard Straight Eight.....each $55 00

JORDAN PLAYBOY

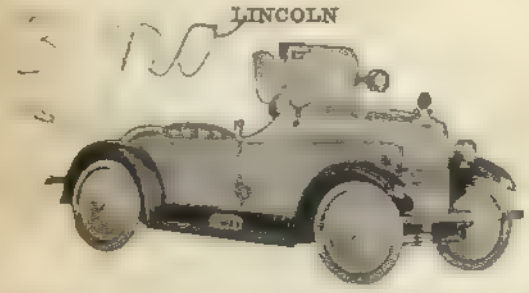


Jordan Playboy. A De Luxe model, will accommodate children from 3 to 10 years of age. Size of car, 56½ inches over all by 25 inches wide. The body, hood, frame and wheels are entirely of heavy stamped automobile steel. The heavily nickel plated radiator conforms exactly to that on the latest type Jordan car. The springs of a highly tempered steel extending from front to rear axle insure ease in riding. The body, hood and wheels are enameled light green and are attractively striped.

Equipment: Pedals, adjustable for from 3 to 10 years of age; fenders, double crown heavy steel with aprons; running boards and running board shields, heavy stamped steel; lamps, large De Luxe headlamps, spotlight and tail light; steering wheel, moulded rubber with control box and spark and gas levers; windshield; bumpers, front and rear; instrument board, with designed speedometer, clock, switches and gauges; spare wheel and tire, same as wheels on car; cushions, back and seat, padded. Wheels, 12-inch double disc with contained roller bearings and 1-inch rubber tires. Weight, one in a box, 120 pounds.

Steelcraft Jordan Playboy.....each $45 00

LINCOLN

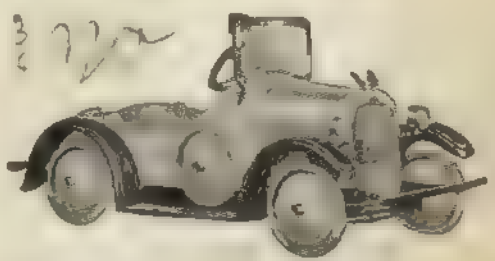


Lincoln. Will accommodate children from 3 to 6 years of age. Size of car, 56½ inches over all by 25 inches wide. The body, hood, frame and wheels are entirely of heavy stamped automobile steel. The heavily nickel plated radiator conforms exactly to that on the latest type Lincoln car. The springs of a highly tempered steel extending from front to rear axle insure ease in riding. The body, hood and wheels are enameled light blue and are attractively striped. The fenders, fender aprons, running board, running board shields and all working parts of car are black enamel. All enameled parts are hard baked.

Equipment: Pedals, adjustable for from 3 to 6 years of age; fenders, double crown heavy steel with aprons; running boards and running board shields, heavy stamped steel; lamps, De Luxe spotlight and tail light, nickeled all over; steering wheel; brake assembly; windshield; bumpers, front and rear, nickeled bar; instrument board; spare wheel and tire; padded cushions, back and seat. Wheels, 12-inch double disc with contained roller bearings and 1-inch rubber tires. Weight, one in a box, 120 lbs.

Steelcraft Lincoln.....each $55 00

CHRYSLER ROADSTER



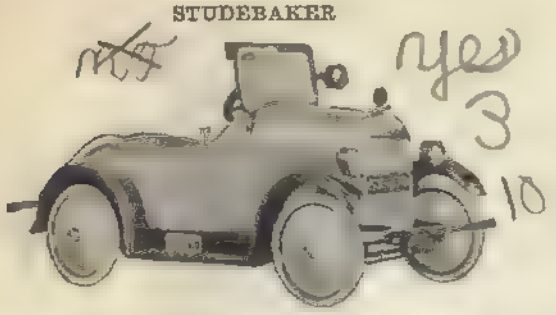
Chrysler Roadster. A De Luxe model, will accommodate children from 3 to 6 years of age. Size of car, 52 inches over all by 24½ inches wide. The body, hood, frame and wheels are entirely of heavy stamped automobile steel. The heavily nickel plated radiator with Chrysler winged radiator cap conforms to that on the latest type Chrysler. The springs of a highly tempered steel extending from front to rear axle insure ease in riding. The body, hood and wheels are enameled fawn and are attractively striped. Fenders, running boards, etc., black enamel. All enameled parts are hard baked.

Equipment: Pedals, adjustable for from 3 to 6 years of age; fenders, double crown heavy steel; running boards and running board shields, heavy stamped steel; De Luxe headlamps and tail light; steering wheel, large, good grip; brake assembly, with nickel plated handle; windshield, very solid; bumpers, front and rear; instrument board, with designed speedometer, clock, switches and gauges; spare wheel and tire, same as wheels on car; seat cushion, padded, and other items adding materially to the appearance of the car. Wheels, 12-inch double disc with roller bearings and ¾-inch rubber tires. Weight, 107 pounds.

Steelcraft Chrysler Roadster.....each $40 00

STEELCRAFT JUVENILE AUTOMOBILES

STUDEBAKER

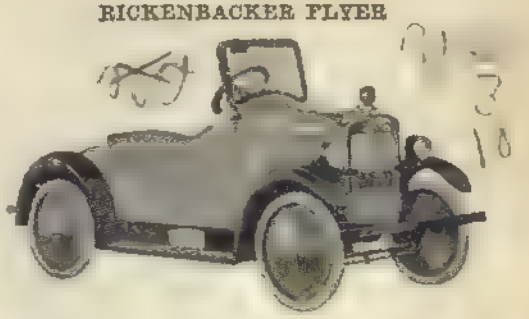


Studebaker A De Luxe model, will accommodate children from 3 to 10 years of age. Size of car, 52 inches over all by 24½ inches wide. The body, hood, frame and wheels are entirely of heavy stamped automobile steel. The heavily nickel plated radiator conforms exactly to that on the latest type Studebaker car. The springs of a highly tempered steel extending from front to rear axle insure ease in riding, operation and eliminate the possibility of tipping. The body, hood and wheels are enameled vermilion and are attractively striped. The fenders, running board, running board shields and all working parts of car are black enamel. Enameled parts are hard baked.

Equipment: Pedals, adjustable for from 3 to 10 years of age; fenders, double crown heavy steel; running boards and running board shields, heavy stamped steel; large De Luxe headlamps, spotlight and tail light; steering wheel, large size, affording good grip; hand brake with nickel plated handle; windshield, very solid; bumpers, front and rear; instrument board; spare wheel and tire; padded seat cushion. Wheels, 12-inch double disc with roller bearings and ¾-inch rubber tires. Weight, 109 pounds.

Steelcraft Studebaker .....each $40 00

RICKENBACKER FLYER

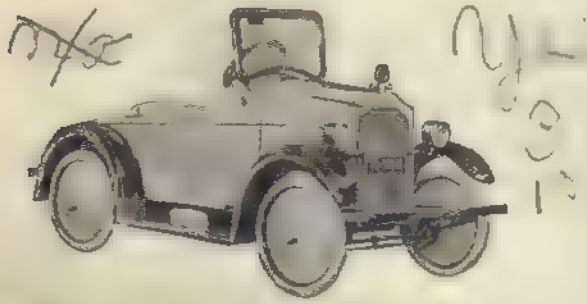


Rickenbacker Flyer. Will accommodate children from 3 to 10 years of age. Size of car, 52 inches over all by 24½ inches wide. The body, hood, frame and wheels are entirely of heavy stamped automobile steel. The heavily nickel plated radiator conforms exactly to that on the latest type Rickenbacker car. The springs of a highly tempered steel insure an ease in riding and operation. The body, hood and wheels are enameled red and are attractively striped. The fenders, running board, running board shields and all working parts of car are black enamel. All enameled parts are hard baked.

Equipment: Pedals, adjustable for from 3 to 10 years of age; fenders, double crown heavy steel; running board and running board shields, heavy stamped steel; large De Luxe headlamps; steering wheel, large, easy grip; windshield; bumpers, front and rear; instrument board; seat cushion, padded, and other items adding materially to the appearance of the car. Wheels, 12-inch double disc with contained roller bearings and ¾ inch rubber tires. Weight, one in a box, 104 pounds.

Steelcraft Rickenbacker Flyer..... each $35 00

BUICK SIX



Buick Six. Will accommodate children from 3 to 10 years of age. Size of car, 52 inches over all by 24½ inches wide. The body, hood, frame and wheels are entirely of heavy stamped automobile steel. The heavily nickel plated radiator conforms exactly to that on the latest type Buick car. The springs of a highly tempered steel insure an ease in riding and operation. The body, hood and wheels are enameled light blue and are attractively striped. The fenders, running board, running board shields and all working parts of car are baked black enamel.

Equipment: Pedals, adjustable for from 3 to 10 years of age; fenders, double crown heavy steel; running board and running board shields, heavy stamped steel; large De Luxe headlamps; steering wheel, large easy grip; windshield; bumpers, front and rear; instrument board; seat cushion, padded, and other items adding materially to the appearance of the car. Wheels, 12-inch double disc with contained roller bearings and ¾-inch rubber tires. Weight, one in a box, 105 pounds.

Steelcraft Buick Six..... .....each $35 00

FLINT SIX

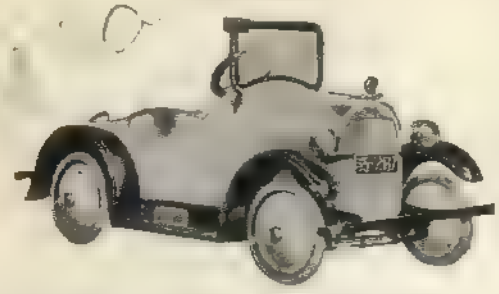
Flint Six. Will accommodate children from 3 to 6 years of age. Size of car 52 inches over all by 24½ inches wide. The body, hood, frame and wheels are entirely of heavy stamped automobile steel. The heavily nickel plated radiator conforms exactly to that on the latest Flint car. The springs of a highly tempered steel insure an ease in riding and operation. The body, hood and wheels are enameled vermilion and are attractively striped. The fenders, running board, running board shields and all working parts of car are black enamel. All enameled parts are hard baked.

Equipment: Pedals, adjustable for from 3 to 6 years of age; fenders, double crown heavy steel; running boards and running board shields, heavy stamped steel; large De Luxe headlamps; steering wheel, large size affording good grip; windshield, very solid; bumpers, front and rear; instrument board; seat cushion, padded, and other items adding materially to the appearance of the car. Wheels, 12-inch double disc with contained roller bearings and ¾-inch rubber tires. Weight, one in a box, 105 pounds.

Steelcraft Flint Six.....each $35 00

STEELCRAFT JUVENILE AUTOMOBILES

CHANDLER

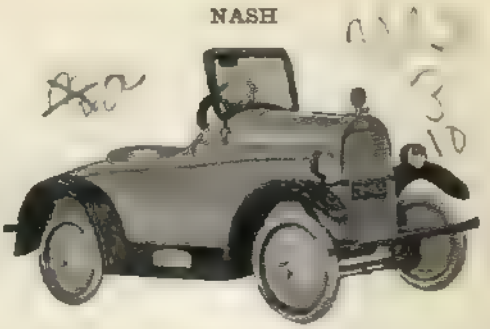


Chandler. Will accommodate children from 3 to 6 years of age. Size of car, 52 inches over all by 24½ inches wide. The body, hood, frame and wheels are entirely of heavy stamped automobile steel. The heavily nickel plated radiator conforms to that on the Chandler car. The springs of a highly tempered steel insure an ease in riding and operation. The body, hood and wheels are enameled light green and are attractively striped. The fenders, running board, running board shields and all working parts of car are black enamel. All enameled parts are hard baked.

Equipment: Pedals, adjustable for from 3 to 6 years of age; fenders, double crown heavy steel; running boards and running board shields, heavy stamped steel; large De Luxe headlamps; steering wheel, large easy grip; windshield, very solid; bumpers, front and rear; instrument board; seat cushion, padded, and other items adding materially to the appearance of the car. Wheels, 12-inch double disc with contained roller bearings and ¾-inch rubber tires. Weight, one in a box, 104 pounds.

Steelcraft Chandler .....each $35 00

NASH



Nash. Will accommodate children from 3 to 10 years of age. Size of car, 52 inches over all by 24½ inches wide. The body, hood, radiator, frame and wheels are entirely of heavy stamped automobile steel. The radiator conforms to the latest type car. The springs of a highly tempered steel insure an ease in riding and operation. The body, hood, radiator and wheels are enameled fawn and are attractively striped. The fenders, running board, running board shields and all working parts of car are black enamel. All enameled parts are hard baked.

Equipment: Pedals, adjustable for from 3 to 10 years of age; fenders, double crown heavy steel; running boards and running board shields, heavy stamped steel; large De Luxe headlamps; steering wheel, large size affording good grip; windshield, very solid; bumpers, front and rear; instrument board; seat cushion, padded, and other items adding materially to the appearance of the car. Wheels, 10½-inch double disc with contained roller bearings and ¾-inch rubber tires. Weight, one in a box, 105 pounds.

Steelcraft Nash .....each $30 00

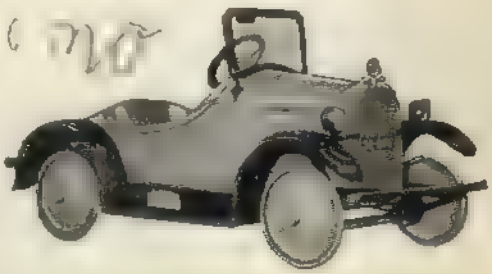
FIRE CHIEF

Fire Chief. Will accommodate children from 3 to 6 years of age. Size of car, 52 inches over all by 24½ inches wide. The body, hood, radiator, frame and wheels are entirely of heavy stamped automobile steel. The springs of a highly tempered steel insure an ease in riding and operation. The body, hood, radiator, wheels and fenders with running board and running board shields are enameled vermilion and are attractively striped. All working parts of the car underneath are black enamel. All enameled parts are hard baked.

Equipment: Pedals, adjustable for from 3 to 6 years of age; fenders, double crown heavy steel; running boards and running board shields, heavy stamped steel; large De Luxe headlamps; steering wheel, large easy grip; bumpers, front and rear; instrument board; seat cushion, padded; large brass bell on radiator with cord attached. Front and rear license tags, scuff plates and switch on instrument board. Wheels, 12-inch double disc with contained roller bearings and ¾-inch rubber tires. Weight, one in a box, 93 pounds.

Steelcraft Fire Chief.....each $31 35

JEWETT



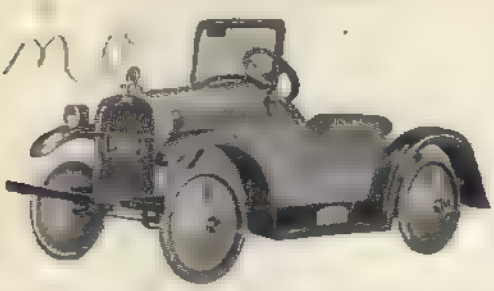
Jewett. Will accommodate children from 3 to 6 years of age. Size of car, 52 inches over all by 24½ inches wide. The body, hood, radiator, frame and wheels are entirely of heavy stamped automobile steel. The springs of a highly tempered steel insure an ease in riding and operation. The body, hood, radiator and wheels are enameled red and are attractively striped. The fenders, running board, running board shields and all working parts of car are black enamel. All enameled parts are hard baked.

Equipment: Pedals, adjustable for from 3 to 6 years of age; fenders, double crown heavy steel; running boards and running board shields, heavy stamped steel; large De Luxe headlamps; steering wheel, large easy grip; windshield, very solid; bumpers, front and rear; instrument board; seat cushion, padded, and other items adding materially to the appearance of the car. Wheels, 10½-inch double disc with contained roller bearings and ¾-inch rubber tires. Weight, one in a box, 96 pounds.

Steelcraft Jewett .....each $30 00

STEELCRAFT JUVENILE AUTOMOBILES

CLEVELAND RACER

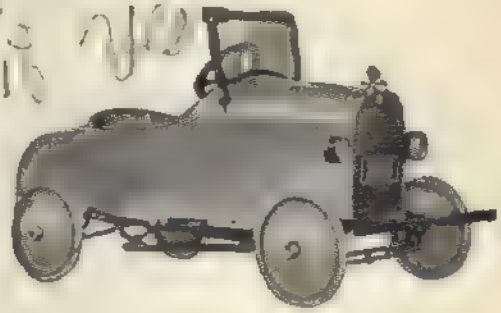


Cleveland Racer. Will accommodate children from 3 to 6 years of age. Size of car, 48 inches over all by 24½ inches wide. The body, hood, radiator, frame and wheels are entirely of heavy stamped automobile steel. The springs of a highly tempered steel insure an ease in riding and operation. The body, hood, radiator and wheels are enameled blue and are attractively striped. The fenders, running board, running board shields and all working parts of car are black enamel. All enameled parts are hard baked.

Equipment: Pedals, adjustable for from 3 to 6 years of age; fenders, double crown heavy steel; running boards and running board shields, heavy stamped steel; radiator, heavy steel stamped; large De Luxe headlamps; steering wheel, large size affording good grip; windshield, very solid; instrument board; seat cushion, padded, and other items adding materially to the appearance of the car Wheels, 12-inch double disc with contained roller bearings and ¾-inch rubber tires. Weight, one in a box, 93 pounds.

Steelcraft Cleveland Racer.....each $30 00

DURANT



Durant. Will accommodate children from 3 to 10 years of age. Size of car, 48 inches over all by 24½ inches wide. The body, hood, radiator, frame and wheels are entirely of heavy stamped automobile steel. The springs of a highly tempered steel insure an ease in riding and operation. The body, hood, radiator and wheels are enameled fawn and are attractively striped. All working parts of car are black enamel. All enameled parts are hard baked.

Equipment: Pedals, adjustable for from 3 to 10 years of age; large De Luxe headlamps; steering wheel, large size affording good grip; windshield, very solid; instrument board, with designed speedometer, clock, switches and gauges; other items adding materially to the appearance of the car; nickel plated motometer, horn, front and rear license tags, bumper, seat cushion, rear vision mirror, luggage bars and switch on instrument board. Wheels, 10-inch double disc with contained roller bearings and ¾-inch rubber tires. Weight, one in a box, 86 pounds.

Steelcraft Durant .....each $25 00

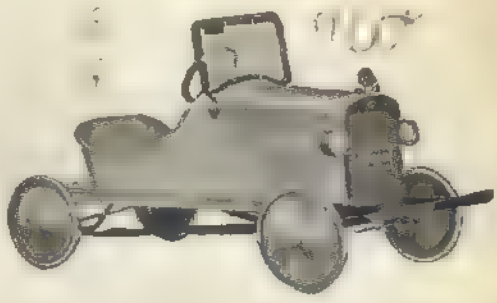
DODGE

Dodge. Will accommodate children from 3 to 6 years of age. Size of car, 48 inches over all by 24½ inches wide. The body, hood, radiator, frame and wheels are entirely of heavy stamped automobile steel. The springs of a highly tempered steel insure an ease in riding and operation. The body, hood, radiator and wheels are enameled light green and are attractively striped. All working parts of car are black enamel. All enameled parts are hard baked.

Equipment: Pedals, adjustable for from 3 to 6 years of age; Lamps, large De Luxe headlamps; steering wheel, large size affording good grip; windshield, very solid; instrument board; other items adding materially to the appearance of the car; nickel plated motometer, horn, front and rear license tags, bumper, seat cushion, rear vision mirror and switch on instrument board. Wheels, 10-inch double disc with contained roller bearings and ¾-inch rubber tires. Weight, one in a box, 81 pounds.

Steelcraft Dodge .....each $25 00

OVERLAND



Overland. Will accommodate children from 3 to 6 years of age. Size of car, 48 inches over all by 24 inches wide. The body, hood, radiator, frame and wheels are entirely of heavy stamped automobile steel. The radiator conforms to design on latest type Overland car. The springs of a highly tempered steel insure an ease in riding and operation. The body, hood, radiator and wheels are enameled vermilion and are attractively striped. All working parts of car are black enamel. All enameled parts are hard baked.

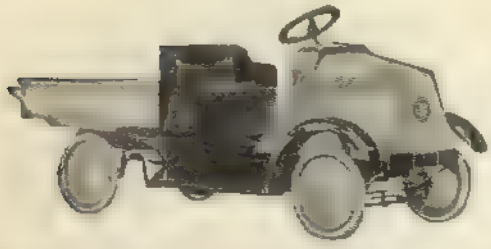
Equipment: Pedals, adjustable for from 3 to 6 years of age; large De Luxe headlamps; steering wheel, large size affording good grip; windshield, very solid; instrument board; other items adding materially to the appearance of the car; nickel plated motometer, horn, front and rear license tags, bumper, seat cushion, rear vision mirror and switch on instrument board. Wheels, 10-inch double disc with ½-inch rubber tires. Weight, one in a box, 80 pounds.

Steelcraft Overland .....each $20 00

STEELCRAFT JUVENILE AUTOMOBILES

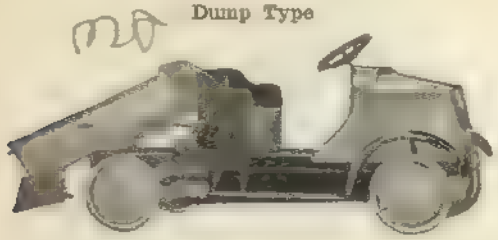
MACK BULLDOG TRUCK

Standard Type



Mack Bulldog Truck. Pedal propelled, for child 3 to 10 years of age. It is not a toy truck that is pulled with a string or cord. It is a pedal propelled truck that can be operated by children from 3 to 10 years of age. A boy can operate with ease this truck carrying a load of 200 pounds in the body. The construction of the truck is of the usual Steelcraft sturdy design. It will not fall apart It will sustain its maximum load with ease and in addition to this strength is provided with springs (of a real truck design) which permits exceeding ease of operation and riding for its owner. The design is that of the real Mack Bulldog Heavy Duty Truck and resembles exactly the famous Mack Truck seen daily on the streets. It is a car that is a source of pleasure to the boy as in it he can have the pleasure of running his own truck and can at the same time perform the numerous light delivery services required in the household. In operation a load of 200 pounds can be placed in the body and it is of a size sufficient to carry more than a bushel basket. The Standard type shown above is identical to that of the Dump type shown below with the exception that the body cannot be raised and lowered as on the Dump type.

Dump Type

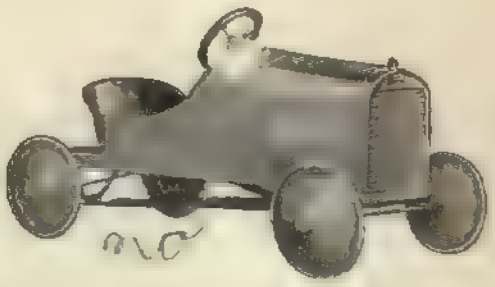


Specifications for both dump and standard trucks are as follows: Size of car, 2[illegible] inches wide by 41 inches long; size of body, 24 inches long, 14½ inches wide by [illegible] inches deep; capacity, one tenth of a ton, (200 lbs. Frame of heavy channel steel. Fenders, hood, radiator and cowl, seat and body of heavy stamped automobile steel. The special springs (of a real truck design) are of a highly tempered steel permitting exceeding ease in operation as well as ease in its riding qualities. The radiator, hood, cowl, seat, body, wheels and all working parts of truck are finished in hard baked enamel.

Equipment: The pedals are adjustable for from 3 to 10 years of age; fenders, double crowned heavy steel; radiator and cowl, heavy steel stamped in distinct Mack type; steering wheel, malleable iron; on dump type a special mechanism for raising and lowering body of truck; instrument board, with designed speedometer, clock, gauges and with an operating switch; tail gate of body, special design; furnished with horn. Wheels, 12 inch double disc with contained roller bearings and 1-inch rubber tires; enameled red with yellow stripings. Weight, one in a box, 117 pounds.

Mack Bulldog Truck, Standard Type. ...each $30 00
Mack Bulldog Truck, Dump Type. ... 32 65

FORD

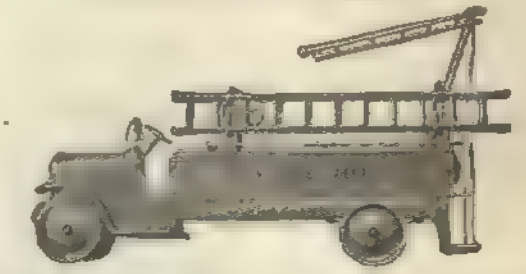


Ford. Will accommodate children from 3 to 6 years of age. Size of car, 42 inches over all by 24 inches wide. The body, hood, radiator, frame and wheels are entirely of heavy stamped automobile steel. The radiator resembling exactly a Ford. The springs of a highly tempered steel insure an ease in riding and operation. The body, hood are enameled black. All working parts of car are black enamel. All enameled parts are hard baked.

Equipment: Pedals, adjustable for from 3 to 6 years of age; radiator, heavy steel stamped Ford type; steering wheel, large size affording good grip; instrument board, with designed speedometer, clock, switches and gauges; other items adding materially to the appearance of the car; nickel plated radiator cap Ford type, horn, front license tag, seat cushion and switch on instrument board. Wheels, 9-inch double disc and ½-inch rubber tires. Enameled red with black striping and nickel plated hub caps. Weight, one in a box, 74 pounds. Comes completely assembled except for wheels and steering wheel.

Steelcraft Ford .....each $15 00

GMC HOOK AND LADDER TOY



GMC Hook and Ladder. Mounted upon the Steelcraft GMC chassis such attention has been paid to the details of construction and operation that it makes an instant appeal to the child Built of the highest grade heavy automobile steel and is reinforced and electrically spotwelded. The body, radiator equipment, hose, bell, etc., are very realistic and so constructed that they will defy the hardest usage. The mechanism which elevates the first two sections of the ladder from the base of the body is very ingenious, fool proof, and will be of exceeding interest to the child. The reel of hose is another added feature. It is painted in very attractive colors to hold his interest. Construction, disc wheels, extra heavy channel steel frame, large heavy steering wheel and baked enamel finish. The Firestone tires will not scratch or mar polished floors.

Specifications: Length over all, 26 in.; width, 14½ in.; total ladder length, 52 in., in four sections; frame, channel steel; wheels, double disc heavy steel; tires, Firestone solid rubber; finish over all, fire engine red, baked enamel; bell, bronze; steering gear, direct connected. Shipping weight, 14 lbs.

Steelcraft GMC Hook and Ladder.....each $9 00

The American flag is flying here, properly, from the gaff at a yacht club station. The club burgee is at the masthead

M Rosenfeld

at Custom-houses. The third paragraph of the act provided "that all such licensed yachts shall *use a signal* of the form, size and colors prescribed by the Secretary of the Navy." (This paragraph has been subsequently re-enacted as Sec. 4215 Revised Statutes of the United States.) The Secretary of the Navy acted promptly, and on August 26, 1848, he requested the New York Yacht Club to submit a design for this signal. The design they submitted on January 9, 1849, was the then adopted American ensign, which carried thirteen stars in a circle in the blue field and the thirteen red and white stripes (the Betsy Ross flag), in which they placed a fouled anchor in the center of the circle of stars. The Secretary of the Navy accepted the suggestion of the New York Yacht Club and authorized the adoption of the design.

It is the design of the yacht "signal" that has resulted in the present confusion because its similarity in appearance to the national ensign promptly led yachtsmen to fly the "signal" now known as the yacht ensign in place of the national ensign and the custom has grown until at present nearly all pleasure craft, from outboard speedsters up, are flying the "signal" as an ensign. The yacht ensign was created only as a signal for yachts enrolled and licensed (documented) and exempted them from entering and clearing at Custom-houses. Presumably it was to be flown in addition to the national ensign on documented yachts. To fly it from a club mast ashore signifies nothing.

Another interesting fact is that in law the ensign of a vessel does not reveal her nationality, as the Supreme Court of the United States has rendered a decision that only the documents and papers of a vessel, duly complied with, reveal her nationality so the ensign reveals nothing and protects nobody.

As no laws of our land specify what flags are to be flown or not flown or where, then we must look elsewhere to discover the basis of our present practices. Lacking laws or "official" regulations, perhaps the natural conclusion would be to allow custom to dictate the proper procedure. This would be proper if the existing customs were at all uniform or consistent. However, it does not need to be mentioned that the prevailing customs of the flying of flags on small motor craft are anything but uniform and consistent as we find them today. With the boats of the type which the Long Island sailing skippers affectionately refer to as the "Bronx Navy" so far outnumbering the craft which attempt to follow an orderly procedure in the proper display of colors, then "custom" is no longer a worth while factor.

Most Yacht Clubs and yachting organizations have flag regulations as part of their by-laws thus making these regulations official as far as the particular club is concerned. It becomes the duty of the members of such a club to follow this stated routine. Undoubtedly the first club to adopt flag routine was the New York Yacht Club. Probably 99 per cent of all clubs have lifted the New York Yacht Club regulations from their year book without change for their own. While in some instances the New York Yacht Club routine is not applicable to small present day craft, yet in this discussion if we follow the New York Yacht Club rules, we will be nearly correct. We will be following the only established routine and authority for the present day customs.

Flags are simply an outward and visible sign that this or that boat, (1) belongs to this or that country, (2) is enrolled in this or that yacht club or yachting organization and (3) is owned by so and so, who is or is not an officer of (2) this or that yachting organization. If we tell that story by the flags we fly, we tell the whole story almost.

If we should want to say whether the owner is or is not on board so that visitors might be governed accordingly, whether guests are being entertained, whether the owner or crew are dining—or similar frivolities, these can be shown by flags also but fundamentally these are incidental only.

The next step in the progression after determining "what" flags to fly is the question of "where." Boats, as we find them today, all have at least two places where flags may be flown. Most boats have three places and a few four or more places (disregarding yardarms, etc.).

As all boats have two "hoists" and as the national and club flags rank one-two in importance it naturally follows that the "hoists" on which to fly each of these flags is easily determined. On the boat where a third "hoist" is available it is allotted to the identification flag of third importance namely the own- *(Continued on page 242)*

The Flag of Your Country

THE flying of flags and colors on motor craft, sailing and other yachts is governed largely by custom. Few, if any, laws or government regulations have ever been enacted on this subject. Mention has seldom if ever been made by Congress in all of its years, of any requirements for the flying of any flag on numbered, undocumented or unlicensed vessels or yachts. Documented yachts are expected to fly the yacht ensign but the enforcement of even this regulation is questionable.

A review or a brief history of the United States National Flag should permit one to better understand some of the fundamentals on which many of the customs of flags and colors are based, especially their evolution for use on the water.

The origin and early history of the use of national flags is very indefinite. This is especially true of the national ensign of the United States. Early Colonial and American history makes very little mention of our flag or flags. Our Navy seems to have begun the use of the Stars and Stripes immediately after the Continental Congress had passed an Act in June, 1777, establishing the Stars and Stripes as the flag of this country. However, it was not until 1895 or some 30 years after the close of the Civil War, that the United States cavalry was given the right to carry the Stars and Stripes as the national standard. It was in 1841 that the infantry first used the national colors. Not until 1876 did the Marines carry the Stars and Stripes.

As the Navy made use of the national flag from the beginning and the other branches of the U. S. government were slow in adopting it, it emphasizes that the Stars and Stripes as the national ensign is a flag of the sea and its right to be flown from yachts is clearly established.

On the subject of the origin and development of the flag from which the Stars and Stripes has been evolved, accounts are too conflicting to warrant placing much credence in them. Prince Edward, afterwards Edward I of England, about the middle of the last half of the 13th century, adopted the Red Cross of St. George, on a white field, as the national flag of England. After James VI of Scotland ascended the throne of England in 1603, as James I, he was much annoyed by the wrangling between the masters of English and Scotch ships when they met at sea as to which one should dip its colors to the other. Therefore, in 1606, he stopped this annoyance and to help unite the two kingdoms into one country, combined the two crosses into a new flag, which subsequently became known as the Union Jack. This he required all vessels of both countries to carry at their mainmast. A century later when the two countries agreed upon their union, a national agreement required the union of the crosses to be used on flags, banners, standards, and ensigns both at sea and on land.

Near the beginning of the revolution, General Washington assigned to the various officers as a distinction of rank, ribbons varying in color and these were worn by them until something more formal was designed. There were practically no flags or colors although some of the individual companies of the Colonial Army are supposed to have brought with them those which they had previously used. Later General Washington urged the various Colonels to provide for their regiments colors of such design as might appeal to them. This was frequently done and in many instances, some designs of 13 units were used to represent the 13 colonies.

Some of the colonies adopted flags of their own. Massachusetts adopted the Pine Tree, with the motto An Appeal to Heaven. Rhode Island selected one having an anchor and the word Hope and within the canton a union of 13 white stars on a blue field, said to be the first flag on which the 13 colonies were represented by 13 stars.

South Carolina's flag has an interesting history. In September 1775, the Committee of Safety of Charleston instructed Colonel William Moultrie to take possession of Fort Johnson on James Island, which he did. The uniforms of their troops were blue with a silver increscent in the cap. Soon realizing that a flag was needed, he improvised one having a blue field with a white increscent in the canton. This was the flag which sergeant Jasper so gallantly rescued on June 28, 1776, when the fort of palmetto logs on Sullivans Island was attacked by the British Fleet under Admiral Sir Peter Parker. It was under this flag that the Declaration of Independence was read to the people of Charleston on August 8, 1776. When the state came to officially adopt a flag, it took the one which Colonel Moultrie had designed and in recognition of the good services of the palmetto logs, placed upon it a palmetto tree.

While our first flag act was adopted June 14, 1777, by resolution of the Continental Congress and reading as follows: "Resolved, That the flag of the United States be thirteen stripes, alternate red and white; that the union be thirteen stars, white in a blue field, representing a new constellation" yet there is nothing to show that the Revolutionary Army ever carried any flags furnished by the American Congress. Those which were carried were purely personal, each made by or for some officer, company or regiment, and represented the sentiments of the makers. However, the United States Navy began to use the flag immediately after it was authorized by the Continental Congress.

History records only one Stars and Stripes that was carried by the American Army during the Revolutionary War. It was carried by the North Carolina Militia at the Battle of Guilford Courthouse, March 15, 1781, but the stripes were blue and red and the union had a white field with 13 eight-pointed stars. There is also another flag hanging in the State House at Annapolis, which it is claimed was carried by the Third Maryland Regiment in 1781. It has 13 five pointed stars, one in the center,

"Nothing in my boating experience has given as much satisfaction."

SAYS MR. W. G. STUBER
PROMINENT ROCHESTER EXECUTIVE

WILLIAM G. STUBER
ROCHESTER N.Y.

September 19, 1939.

Mr. Caleb Smith
The Synchronizer Company
Seneca Falls, New York

Dear Mr. Smith:

I have now completed two months' cruising since you put the Synchronizer on my pair of six cylinder Gray Diesels. There is nothing that I have had in my boating experience that has given me as much satisfaction and pleasure as this Synchronizer, and I can highly recommend it.

Yours very truly,
W. G. Stuber

• Other users of Synchro-Master are equally enthusiastic about this strictly mechanical device for keeping twin motors synchronized.

• Mr. Paul Myers, Washington, D. C.: "I want to tell you what a joy Synchro-Master is. I have used it eleven and twelve hours without stopping the engines in calm seas and in rough seas, and it has kept my matched Kermath Sea Kings humming in unison beautifully." Mr. John W. Stroh, Detroit: "The Skipper has always been pretty careful about this (synchronizing), but no matter how careful he might be, he could never come anywhere near accomplishing what the Synchro-Master does."

• Recommended by leading boat builders, for gasoline and Diesel engines. Easily installed in your boat. Not expensive.

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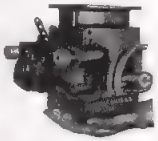


SYNCHRO-MASTER
DEPT. 201 . . . . . SENECA FALLS, N. Y.

frankly. "I worried all night for fear I'd caused you trouble, and this morning I telephoned your company, and took all the blame."

"Ha! Hence my suspended sentence!"

"And that disagreeable fellow you saw me with—I don't know how he ever got in the club. We're finding a way to get rid of him—and we didn't want him to turn up with that big flashy boat."

Further along the balcony, Toby's monitor man was waving to him from their new mike station. Toby waved back. He got Marilyn out of the crowd, into a little nook by a pennant and banner display. "I have to go on the air," he said. "Will you stand by until I finish? Then I could show you my favorite boat—"

She nodded, smiling. "I'd love to, Toby!"

"It's about the size of a wash-tub, with an outboard motor."

"We have a lot of out-board enthusiasts at Bowline Bay. Why, Toby, maybe I could interest you in a membership!"

Toby stepped nearer. "You're my favorite commodore—and a commodore rates a salute!" he said, and he kissed her.

Now her face was fiery but she still was smiling. "A commodore always returns a salute!" she said softly. "As they say in radio, take it away, Toby Milliken!" and she kissed him back.

Then she walked with him to the microphone, to stand by until they could look at boats together

THE FLAG OF YOUR COUNTRY

(*Continued from page* 45)

er's private signal. If the owner be a flag officer, his officer's flag is an even better means of identification and should be substituted for the private signal.

THE third part of the procedure is "when." Flags should be flown from 8 a.m. until sundown, during the period that the boat is in commission and manned. It is permissable when leaving or entering a harbor other than one's own anchorage to display flags during daylight before 8 a.m. or after sunset but they should be hauled down immediately upon coming to anchor.

We find in the New York Yacht Club rules that the Union Jack may be displayed while at anchor at the Jackstaff from 8 a.m. to sunset.

Note that this reads—(1) "at the Jackstaff" and (2) that nothing is mentioned about "only on Sundays or holidays."

The Yachtsman's Guide gives as the definition of the Jackstaff, "A short staff, raised at the bowsprit cap, upon which the Union Jack is hoisted."

It should be noted that the motor boat with one mast, quite obviously has no bowsprit cap and therefore, it might be said, can have no jackstaff. But what is more important is that in the definition of jackstaff, quoted above, it is specifically stated that it is a staff upon which the Union Jack is hoisted. The definition does not mention that any other flag is ever flown from this staff. The jack staff should not be confused with the "bow staff" of motor boats. They are not the same.

The New York Yacht Club rule in reference to the flying of the Club flag on a motor yacht with one mast and a staff at the bow specifies that the club flag shall be flown from the *bow staff*. Nothing is mentioned in this rule making an exception as "when at anchor" or "when at anchor on Sundays or holidays." In other words, the only flag to be flown at the bow staff of a motor yacht with one mast and staff at the bow is the Club flag according to the New York Yacht Club rule book.

The New York Yacht Club rules further provide that "the Club flag shall be displayed by yachts in commission, whenever the Ensign is hoisted." As the Ensign is prescribed to be hoisted from morning to evening colors, it must follow that the yacht club flag must never be lowered from the bowstaff and the Jack substituted therefore, while the Ensign is hoisted. In other words, it can never be proper to fly the Union Jack on a motor vessel with single mast and bowstaff.

CHRIS-CRAFT TO TURN OUT 1940 MODELS AT HOLLAND BRANCH

CHRIS-CRAFT started production today on 1940 motor boats in the newly completed Holland branch factory, it was revealed today by Harry Coll, local manager. The initial production schedule is for two hundred 15½-foot runabouts, the first to roll off the line about January 7, and two additional models to be completed every day thereafter

John Madigan

Rarely are the national colors flown at the stern staff of a yacht. Nevertheless, this practice is correct, even though the yacht ensign is commonly used

and 12 arranged in the form of a circle around it. In both of these cases, the flags were purely personal, not official.

The Stars and Stripes preserved in the State House of Boston is claimed to have flown over Fort Independence during the American Revolution but was not carried by the Army. In 1863 each battery of artillery and each company of cavalry was allowed to carry a small flag consisting of Stars and Stripes but that privilege was revoked at the end of the Civil War. The U. S. Marines did not carry the Stars and Stripes as national colors until 1876, yet those which they carried as such in the Mexican and Civil Wars had an eagle in the union.

In none of the three acts adopting the United States national flag is there any mention as to how the stars should be arranged or how many points they should have. In one of the first flags, the stars were sometimes arranged in a circle or with one star in the center and the remaining 12 either in the form of a circle or hollow square, or three horizontal rows of 4, 5 and 4 stars respectively. In a later flag, they were also arranged in several different orders, three horizontal rows of five each or three vertical rows of five each; sometimes in the quincunx order as was the flag that floated over Fort McHenry when Key wrote the Star Spangled Banner.

Apparently about 1841, when the United States Infantry was first given the right to carry the Stars and Stripes, there was a desire on the part of some to preserve their old national colors in the union of the new flag. One of these had an eagle with a bunch of arrows in one claw and the Indian pipe of peace in the other with 13 stars above and a like number below. During the Mexican War, the Fourth Indiana Volunteers carried a flag having in the union an eagle standing on a segment of the globe with a bunch of arrows in one claw, as though intending to conquer the earth.

Near the beginning of the 20th Century, the different departments of our National Government appointed representatives to confer and see if they could not bring order out of chaos. The proportions of Naval flags and Army colors were quite different, the former being much longer in proportion to its height, the latter being much shorter to avoid interfering with the color or standard bearer. It was decided to leave the Army colors alone but to fly the Naval flag from flagstaffs and from Government buildings. Accordingly, following the recommendations of this committee, on October 29, 1912, President Taft issued an executive order defining minutely the proportions and other details of the Stars and Stripes, at the same time approving a custom which had existed in the Navy of placing on their small boats flags having only 13 stars instead of the full complement. The use of only 13 stars on our small or boat flags, was discontinued by an executive order of President Wilson, dated May 29, 1916, and now all flags, colors, etc., used by the United States Government are required to have their full complement of 48 stars. In all of the discussion by the conference it does not appear that there was any mention whatsoever of the yacht ensign or the rights or duties of yachts or any other vessels to fly any particular flag.

From the foregoing it will be seen that the United States has only one flag. The use of the yacht ensign is misleading. England has, by law, created a flag for its navy, another for its merchant service, another for yachts and another for its land forces; each is a national flag and entitled to the position and courtesy due the colors of a nation. But, in the United States, wherever, whenever and for whatever purpose the national colors are flown, there is but one flag to fly.

The place of honor for the national colors on land and sea is as follows: on land on a straight mast, at the head, on a mast with a gaff, at the gaff. At sea and at anchor on a steam or motor vessel, at the flag staff aft; on vessels under sail, at the peak; and on vessels with a gaff, at this gaff when under way.

There has never been passed a law compelling boats to fly the national flag or none at all from the place of honor. It has probably never been contemplated that a loyal citizen would ever do otherwise. Yet, we are free to do as we like and in the use of this freedom there has grown the custom of flying the yacht ensign at the point of honor at shore stations and aboard yachts. There are today ardent yachtsmen in high places who believe this custom aboard yachts should be continued.

The yacht ensign had its beginning on August 7, 1848, when the Congress passed "an act to authorize the Secretary of the Treasury to license yachts and for other purposes" providing for the enrollment and licensing of yachts and exempting them from entering and clearing

PRESIDENT OF THE UNITED STATES
NATIONAL
ENSIGN AND MERCHANT FLAG
SECRETARY OF STATE
SECRETARY OF TREASURY
UNION JACK
NAVAL RESERVE
YACHT PENNANT
NAVAL MILITIA
SECRETARY OF WAR
ADMIRAL OF THE NAVY
BLUE FIELD INDICATES SENIOR RANK
RED FIELD INDICATES JUNIOR IN PRESENCE OF SENIOR OF SAME RANK
SECRETARY OF THE NAVY
SECRETARY OF INTERIOR
(LETTERING IN GOLD)
CORPS OF ENGINEERS
(U. S. ARMY)
U. S. COAST GUARD
RESERVE
MERCHANT MARINE
NAVAL RESERVE
SECRETARY OF COMMERCE
U. S. ARMY TRANSPORT
Flags
MARINE CORPS
BOAT FLAG
SECRETARY OF LABOR
MARINE CORPS
POST COMMANDER
BOAT PENNANT
YACHT ENSIGN
COAST GUARD ENSIGN
You May See on American Craft
YACHT,
GUEST FLAG
YACHT
OWNERS ABSENT
COAST GUARD COMMANDANT
U. S. POWER SQUADRONS
ENSIGN
NEW YORK YACHT CLUB
U. S. CUSTOMS
BUREAU OF MARINE
INSPECTION AND NAVIGATION
BUREAU OF FISHERIES
U. S. IMMIGRATION SERVICE
US
IS
QUARANTINE
INTERNATIONAL Q
COAST AND GEODETIC SURVEY
LIGHTHOUSE SERVICE
(U. S. COAST GUARD)

PLANES

STANLEY

GAGE SELF SETTING

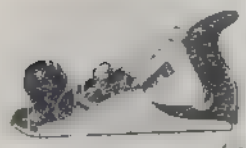
Japanned smooth iron castings, polished face and sides; varnished rosewood handle and knob; brass screw adjustment. The self setting feature lies in the fact that the plane iron if taken out to be sharpened goes back in exactly the same position as before removal. Likewise the plane cap when taken out to allow removal of cutter goes back in its same position.

The plane cap is so designed that by slight adjustment it connects the cutter to either single or double iron. The plane iron consists of three pieces, cutter, adjustment slide and binder plate, all being fastened by one screw. The adjustment slide is machined on its sides to accurately fit the groove machined in the frog and is permanently fixed both sideways and endwise.

Smooth, Corrugated Bottom.

Nos.	G3C	G4C
Length, ins	8¾	9
Width cutter, ins	1¾	2
Wt each, lbs	2¾	3
Each	$9 30	10 20

One in cardboard box.



Smooth, Plain Bottom.

Nos.	G3	G4
Length, ins	8¾	9
Width cutter, ins	1¾	2
Wt each, lbs	2¾	3
Each	$9 00	9 75

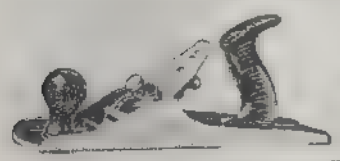
One in cardboard box.

Jack, Corrugated Bottom.

Each

No. G5C—Length 15 ins; width cutter 2 ins; wt each 4¼ lbs $11 70

One in cardboard box.



Jack, Plain Bottom.

Each

No. G5—Length 15 ins; width cutter 2 ins; wt each 4¼ lbs $10 80

One in cardboard box.

Corrugated Bottom.

Fore and Jointer.

Nos.	Style	Length Ins	Width Cutter Ins	Wt Each Lbs	Each
G6C	Fore	18	2	5¾	$15 00
G7C	Jointer	22	2 ⅜	6½	17 25

One in cardboard box.

Plain Bottom.

Fore and Jointer.

Nos.	Style	Length Ins	Width Cutter Ins	Wt Each Lbs	Each
G6	Fore	18	2	5¾	$14 25
G7	Jointer	22	2⅜	6½	16 50

One in cardboard box.

PLANES

BAILEY, Iron Block.

Cast iron frames, polished bottoms and sides, tool steel cutters, tempered and polished. True screw adjustment. Adjustable throat opening, lateral adjustment.

Adjustable, Without Handle.

Japanned Trimmings.

Nos.	9½	15
Length, ins	6	7
Width cutter, ins	1¾	1¾
Wt each, lbs	1	1 ½
Each	$4 80	5 10

One in cardboard box.

Per Doz

Extra Cutters, 1¾ in $10 80

Half doz in cardboard box; wt per doz 1½ lbs.

With Removable Rosewood Handle.

Japanned Trimmings.

No.	15½
Length, ins	7
Width cutter, ins	1¾
Each	$6 00

One in cardboard box; wt each ¾ lb.

Per Doz

Extra Cutters, 1¾ in $10 80

Half doz in cardboard box; wt per doz 1½ lbs.

This plane has the cutter set at a very low angle, which is of great advantage when working across the grain. Length 6 ins, width cutter 1⅝ ins.

Each

No. 60—Nickeled trimmings $5 70
No. 60½—Japanned trimmings 5 10

One in cardboard box, wt each 1¼ lbs.

Knuckle Joint.

Fitted with a new and patented form of lever or cap. The knuckle joint permits of great leverage, consequently the lever can be placed in position or removed. When clamped in place, it will hold the cutter firmly to its seat. Length 7 ins.; width cutter 1⅝ ins.

Each

No. 65—Nickel plated trimmings $6 60
No. 65½—Japanned trimmings 5 40

One in cardboard box; wt each 1½ lbs.

Per Doz

Extra Cutters, 1⅝ in $10 80

Half doz in cardboard box; wt per doz 1½ lbs.

Knuckle Joint.

Has a patented form of lever or cap, which, being made entirely of steel. A great improvement in this plane is the great leverage of the knuckle joint, which, when clamped in place will hold the cutter firmly to its seat. Nickel plated cap, lever and screws.

Each

No. 18—Length 6 ins; 1⅝ in. cutter $6 30

One in cardboard box; wt each 1½ lbs.

Per Doz

Extra Cutters, 1⅝ in. $10 80

Half doz in cardboard box; wt per doz 1½ lbs.

PLANES

Japanned cast iron frames and caps; tool steel cutters, tempered and polished.

STANLEY, Iron Block.

Toy Size. Not Adjustable.

Each

No. 101—Length 3½ ins; 1 in. cutter $1 05

Half doz in cardboard box; wt each ¾ lbs.

Per Doz

Extra Cutters, 1 in $3 30

Half doz in cardboard box, wt per doz 1 lb.

STANLEY, Iron Block.

Handled. Not Adjustable.

Each

No. 100—Length 3½ ins; 1 in. cutter $1 20

Half doz in cardboard box; wt each 1 lb.

Per Doz

Extra Cutters, 1 in $3 30

Half doz in cardboard box; wt per doz 1 lb.

STANLEY, Iron Block.

Not Adjustable.

Each

No. 102—Length 5½ ins; 1⅝ in. cutter $1 80

One in cardboard box; wt each 1 lb

Per Doz

Extra Cutters, 1⅝ in $5 40

Half doz in cardboard box; wt per doz 1 lb.

STANLEY, Iron Block.

Adjustable.

Each

No. 103—Length 5½ ins; 1⅝ in. cutter $2 55

One in cardboard box; wt each 1 lb.

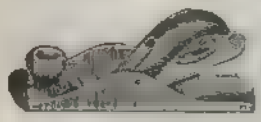
Per Doz

Extra Cutters, 1⅝ in $5 40

Half doz in cardboard box, wt per doz 1 lb

STANLEY, Iron Block.

Hardwood Knob. Not Adjustable.



Each

No. 110—Length 7½ ins; 1⅝ in. cutter $2 55

One in cardboard box, wt each 1½ lbs

Per Doz

Extra Cutters, 1⅝ in $8 25

Half doz in cardboard box; wt per doz 1 lb.

STANLEY, Iron Block.

Lever Adjustment.

Each

No. 120—Length 7 ins; 1⅝ in. cutter $3 45

One in cardboard box; wt each 1½ lbs.

STANLEY, Iron Block.
Rosewood Knob, Screw Adjustment.

Each

No. 220—Length 7 ins; 1⅝ in. cutter $3 60

One in cardboard box; wt each 1½ lbs.

Per Doz

Extra Cutters, 1⅝ in $10 80

Half doz in cardboard box, wt per doz 1 lb

PLANES

Japanned cast iron frame and caps, tool steel cutters, tempered and polished.

STANLEY, Iron Block.

Rosewood Knob, Screw Adjustment.

No. 203 Length 5½ ins; 1¾ in. cutter ..... Each $3 15

One in cardboard box; wt each 1 lb

Per Doz

Extra Cutters, 1¾ in $10 80

Half doz in cardboard box; wt per doz 1 lb

STANLEY, Iron Block.

Adjustable.
Low Angle.

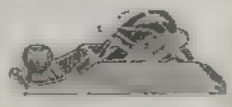
Hardwood handle and knob. Fitted with patent adjustable throat, which enables the user to work equally well on hard or soft wood.

Each

No. 62—Length 14 ins; 2 in. cutter $12 00

One in cardboard box; wt each 4 lbs.

STANLEY, Iron Block.



Double End.

Easily used as a block plane or cutter; may be reversed for planing in close corners not easily reached with other planes.

Not Adjustable, Hardwood Knob.

Each

No. 130—Length 8 ins; 1⅝ in. cutter $3 60

One in cardboard box; wt each 1¾ lbs.

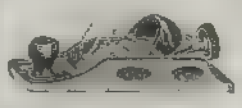
Per Doz

Extra Cutters—1⅝ in $8 25

Half doz in cardboard box; wt per doz 1½ lbs.

STANLEY, Iron Block.

Adjustable Double End.



Hardwood knob; has two slots and movable cutter seat. When it is desired to use it as a bull nose plane the cap and cutter can be removed and the adjustable cutter seat reversed.

Each

No. 131—Length 8 ins; 1⅝ in. cutter $5 85

One in cardboard box; wt each 1¾ lbs.

STANLEY, Rabbet and Block.

A detachable side will easily change this tool from a block plane to a rabbet plane or vice versa; the cutter is set on a skew.

Each

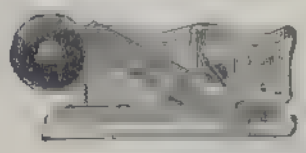
No. 140—Length 7 ins; 1¾ in. cutter $6 30

One in cardboard box; wt each 2 lbs.

PLANES

Japanned cast iron frame and caps, tool steel cutters, tempered and polished.

STANLEY, Side Rabbet.



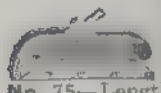
For side-rabbeting and trimming dados, mouldings and grooves of all sorts. A reversible nose piece will give the tool a form by which it will work close up into corners when required.

Each

No. 98—Length 4 ins; ½ in. cutter $4 65

One in cardboard box; wt each about ½ lbs.

STANLEY, Bull-nose Rabbet.



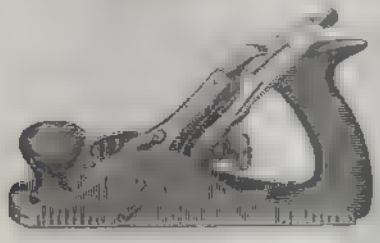
Non-adjustable, polished bottom, for general rabbeting and working into close corners.

Each

No. 75—Length 4 ins; 1 in. cutter $1 65

One in cardboard box; wt about ¾ lb.

STANLEY, Carriage Makers' Rabbet.



Varnished rosewood handle and knob; with screw and lever adjustments, adjustable throat.

Each

No. 10[illegible] Length 9 ins., [illegible] in. cutter. $11 40

One in cardboard box; wt each about 9 lbs

STANLEY, Scrub.

Japanned, cast iron frame; beech handle and knob. Designed for planing down to rough dimensions any board too wide to rip with saw. This is made possible by extra heavy cutter with rounded cutting edge.

Each

No. 40—Length 9¼ ins; 1⅛ in cutter $5 10

One in cardboard box; wt each 2⅛ lbs.

STANLEY, Improved Rabbet.

Japanned cast iron frame and handle. All fitted with detachable depth gauge. No. 190 with spur for working across grain.

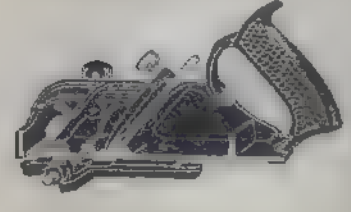
Each

No. 191—Length 8 ins; 1¼ in. cutter $5 85

No. 190—Length 8 ins; 1½ in. cutter 6 21

One in cardboard box; wt each 2½ lbs.

STANLEY, Duplex Rabbet and Filletster.



Japanned cast iron frame and handle, can be used as a bull nose rabbet. The arm to which the fence is secured can be screwed into either side of the stock, making a superior right or left hand filletster, with adjustable spur and depth gauge.

Each

No. 78—Length 8½ ins; 1½ in. cutter $6 90

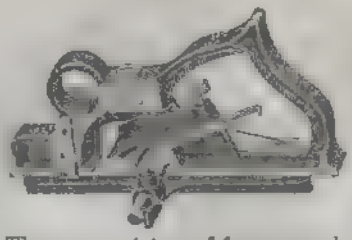
One in cardboard box; wt each about 3 lbs.

PLANES

D 1

Cast iron frame, tool steel cutters, tempered and polished.

STANLEY, Rabbet and Filletster.



Japanned cast iron frame, fence and handle. The arm to which the fence is secured can be screwed into either side of the stock, making a superior right or left hand filletster, with adjustable spur and depth gauge, allowing a groove to be cut any desired depth up to ½ inch. The screw at top of frame can be removed allowing the plane to be used as a bull nose rabbet. Plane is also equipped with spur for use in working across the grain.

Each

No. 278—Length 6¾ ins; 1 in. cutter $6 75

One in cardboard box; wt each 2 lbs.

STANLEY, Tongueing and Grooving.

Nickel plated cast iron frame and handle, rosewood knob. Has two plow cutters of the same width, and one extra wide cutter. When the guide or fence is set both cutters work and a tongue can be made. Fence hung on a pivot, can be swung around end for end. This movement covers one of the cutters.

Each

No. 48—Length 10½ ins; cuts 5/16 in. groove on boards ¾ to 1¼ ins; centers on ½ in. $10 95

One in cardboard box; wt each 3¾ lbs.

STANLEY, Double End Match.

Nickel plated cast iron frame, handle and cap. Provided with both tongue and groove irons, both governed by one permanent fence. With one side a tongue can be cut and by reversing ends the plane will cut a groove to fit. Tongueing tools made wide on one side for use on thicker stuff than plane will tongue and groove in the center.

Nos.	147	148
Length, ins	9	9
Size of cutter, ins	5/16	¼
For boards, ins	½ to ¾	¾ to 1
Centers on, ins	⅜	⅜
Wt each, lbs	2¼	2¾
Each	$9 00	9 60

One in cardboard box.

STANLEY, Adjustable Circular.

Japanned cast iron frames, caps and handles; polished bottom, can be adjusted to work on concave or convex surfaces; graduated scale on the gears, face can be set to work an arc of the same circle, both concave and convex.

Each

No. 113—Length 10 ins; 1⅜ in. cutter $15 75

One in cardboard box; wt each about 4 lbs.

PLANES

STANLEY, Plow, Dado, Filletster and Matching.

Nickel plated cast iron, rosewood handle and knob.

Has 8 plow and dado bits, 3/16 to 1¼ inch, one 1½ inch filletster cutter, 1 slitting blade, one ¼ inch tongueing tool. Is readily converted into a filletster, plow or matching plane. All the tools except the slitting blade are secured on the main stock askew.

	Each
No. 46—With 11 cutters; length 10½ ins.	$23 25

One in cardboard box; wt each 6 lbs.

STANLEY, Adjustable Beading, Rabbet and Matching.

Nickel plated cast iron, rosewood handle, knob and fence.

Fitted with an adjustable fence or guide and a depth gauge also with spurs for use when working across the grain.

Has one 1½ inch sash tool, one ¼ inch match tool, one slitting tool, one 1¼ inch filletster, eleven plow and dado tools, ⅛ to ⅞ inch, seven beading tools, ⅛ to ½ inch.

	Each
No. 45—With 22 cutters; length 11 ins.	$33 00

One in cardboard box; wt each 9½ lbs.

STANLEY, Adjustable. Beading and Matching.

Nickel plated cast iron stock and frame. For ordinary center beading. By adjusting fence, center beading can be done up to 6 inches from the edge of a board. Except for working across the grain, the spurs need not be used. Each plane furnished with ⅛, 3/16, ¼, 5/16, ⅜, 7/16 and ½ inch beading tools, ¼, 5/16, ⅜, 7/16, ½, ⅝, and ⅞ inch plow and dado bits, and a pair of ¼ inch, tongueing tools.

	Each
No. 50—With 15 cutters; length 9¼ ins.	$18 00

One in cardboard box; wt 8½ lbs.

STANLEY, Wood Workers' Handy Router.

Nickel plated, cast iron, beechwood knobs, open throat. Furnished with patented pointed cutters.

Perfectly adapted to smooth the bottom of grooves, panels or all depressions below the general surface of any wood work.

Bits can also be clamped to back side of upright post, and outside of stock. In this position will plane into corners, will router out mortises for sash frame pulleys, or will smooth surfaces not easily reached with any other tool.

	Each
No. 71—With one cutter each, ¼ and ½ in; length 7½ ins.	$8 55

One in cardboard box; wt each 2⅝ lbs.

PLANES

STANLEY, Patent, Universal.

Consists of a main stock with two sets of transverse sliding arms, a depth gauge adjusted by a screw and a sliding arm, and a sliding cutter with stop. The bottom is adjustable both vertically and laterally.

Has one 1½ inch sash tool, one 1¼ inch match tool, one slitting tool, one fillester, eleven plow and dado tools, ⅛ to ⅞ inch, nine beading tools, ⅛ to ¼ inch, foul fluting tools, ¼ to ¾ inch, four hollow cutters, ½ to 1 inch, four round cutters, ½ to 1 inch, two quarter hollow cutters, ½ and ¾ inch, two quarter round cutters, ⅝ and ⅞ inch, three reverse ogee cutters, ½ to 1 inch, two Roman ogee cutters, ⅝ and ⅞ inch, three Grecian ogee cutters, ½ to 1 inch, two ¼ round cutters with bead, ⅜ and ½ inch, three reeding tools, two beads, ⅛ to ¼ inch.

	Each
No. 55—Nickel plated, cast iron frame, rosewood handles, complete with 53 tool steel cutters tempered and polished, arranged in four separate cases	$64 50

One in cardboard box; wt complete about 15¼ lbs.

STANLEY

Adjustable Scraper.

Japanned cast iron frame, rosewood handle and knob. The blade is adjustable endwise and for angle and can be firmly locked in any position desired.

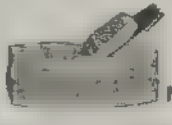
This tool is used for scraping and finishing veneers, cabinet work or hard wood in any form. Can be used equally well as a tooth plane and scraping off old paint and glue.

	Each
No. 112—Length 9 ins; 3 in cutter	$9 00

One in cardboard box, weight each 4 lbs.

WOOD BENCH PLANES

Selected seasoned beechwood, plain finish; extra quality cast steel cutters, tempered, polished starts.



Smooth.

Length 8 inches; width of cut 1⅝ to 2 inches.

	Each
No. 03—Double Iron	$3 90

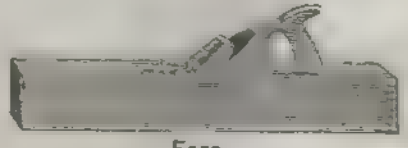
Packed loose; wt each about 2 lbs.

Jack.

Length 16 ins; width of cut 2⅛ to 2¼ inches.

	Each
No. 015—Double Iron	$4 50

Packed loose; wt each about 5 lbs.



Fore.

	Each
No. 021—Double Iron; length 22 ins; width of cut 2⅜ to 2½ ins	$7 35

Packed loose; wt each about 6 lbs.

PLANE IRONS

All orders for Plane Irons should specify the number of plane for which they are intended.

COMMON

Special steel bit, tempered and sharpened.

COMMON, Single.

For common wood bench planes.

Nos.	200-2	200-2⅛	200-2¼
Width cut, ins	2	2⅛	2¼
Wt per doz, lbs	6	6½	7½
Per Doz	$21 60	22 20	24 00

Nos.	200-2⅜	200-2½
Width cut, ins	2⅜	2½
Wt per doz, lbs	7¾	8
Per Doz	$25 50	27 00

Half doz in cardboard box.

COMMON, Double.

For common wood bench planes.

Nos.	201-2	201-2⅛	201-2¼
Width cut, ins	2	2⅛	2¼
Wt per doz, lbs	9½	10¼	11
Per Doz	$27 75	28 50	30 00

Half doz in cardboard box.

BAILEY

Tool steel, tempered and polished, sharpened ready for use.

BAILEY, Single.

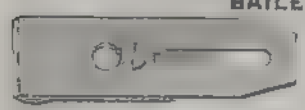
For iron and wood bottom bench planes.

Nos.	206-1⅝	206-1¾	206-2
Width cut, ins	1⅝	1¾	2
Wt per doz, lbs	2	2½	3
Each	$1 20	1 35	1 35

Nos.	206-2⅛	206-2¼	206-2⅜	206-2⅝
Width cut, ins	2⅛	2¼	2⅜	2⅝
Wt per doz, lbs	3¼	3¾	4	5
Each	$1 50	1 65	1 65	1 68

Half doz in cardboard box.

BAILEY, Double.



For iron and wood bottom bench planes.

Nos.	207-1¾	207-2	207-2⅛
Width cut, ins	1¾	2	2⅛
Wt per doz, lbs	4½	5½	6¼
Each	$2 10	2 40	2 46

Nos.	207-2¼	207-2⅜
Width cut, ins	2¼	2⅜
Wt per doz, lbs	7	7½
Each	$2 55	2 70

Half doz in cardboard box.

PLANE GAUGES

Gray cast iron, black japanned top frame; nickel plated fence connecting rod, thumb screw and nuts. For attaching to plane as shown in illustration and guiding it in planing bevels of any required angle, or in planing square joints entirely without the use of a try square or bevel.

Per Doz

No. 6—Wt per doz 18 lbs $43 50

One in cardboard box.

BEADERS

STANLEY UNIVERSAL

Nickel plated cast iron. For beading, reeding or fluting straight or irregular surfaces and for all kinds of light routering; square gauge for straight work; oval gauge for curved work; eight superior cutters go with each tool; both ends sharpened, embracing 6 ordinary sizes of beads ⅛ to ½ inch; 4 sets of reeds, 2 fluters, 1/10 and ¼ inch and double router iron, ⅜ and ½ inch and a ⅝ inch blank.

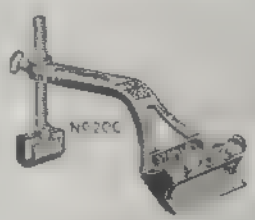
Each

No. 66—Length over all 10 inches; width of cutters ⅛ to 1 in assorted; wt each about 1½ lb $3 45

One in cardboard box.

CHISEL AND PLANE BIT GRINDERS

STANLEY



Made entirely of metal, nickel plated.

A device for holding plane irons, chisels and other similar cutting tools that they may be ground or honed to any desired angle or bevel.

Will take any size bit up to 2⅝ inches wide.

Each

No. 200—Lgth over all 8½ ins. *One in cardboard box; wt each about 1½ lbs.* $3 15

CABINET SCRAPERS

Warranted best cast steel.

Nos.	3-2	3-2½	3-3	3-4
Size, ins	2x4	2½x6	3x5	4x6
Wt per doz, lbs	1	2	3	4
Per Doz.	$2 16	2 52	3 00	3 90

One doz in pkg.

STANLEY, Wood Face.

Designed to do fine work, such as veneers, etc. The rosewood face reduces friction and also prevents the marring of the surface being worked upon. Face is detachable and can be removed, and either convex or irregular shaped blocks attached.

Per Doz

No. 81—Nickel plated; best English steel cutter, 2⅛ ins; length over all 10 ins $56 25

One in cardboard box; wt per doz 30 lbs.

No. 81B—**Extra irons** for No. 81 planes; 2⅛ in blade. $7 65

Half doz in box; wt per doz 1 lb.

CABINET SCRAPERS

STANLEY
Iron Face.

Per Doz

No. 80—Japanned cast iron, raised handles, tempered tool steel blade 2¾ inches; may be sprung to a slight curve by means of thumb screw in center of frame; length over all 11 ins $36 75
One in cardboard box; wt per doz 20 lbs.

Per Doz

No. 80B—**Extra Irons** for No. 80 planes 2¾ in blade . . $7 65
Half doz in box; wt per doz 1 lb.

STANLEY, Adjustable.

Japanned cast iron frame, polished maple wood handle, improved; adjustable to any desired pitch, works towards or from user; roller acts as a support to relieve the strain on the wrists; handles can be detached for working into corners.

Per Doz

No. 83—3¾ in. tempered tool steel blade; length over all 9½ ins $42 75
One in cardboard box; wt per doz 18 lbs.

No. 83B—**Extra Irons** for No. 83 scraper $7 65
Half doz in box; wt per doz 1 lb.

FLOOR OR CABINET SCRAPERS

—BLUE GRASS—

Best quality crucible steel blade, honed and burnished, ready for use. Front cap heavily nickel plated and polished, under cap blue enameled finish; handle made of birch, mahogany finish.

Handle works on ball and socket, and is adjustable to any angle, up and down, right and left.

Per Doz

No. 472—Length over all 9½ in; width blade 3 ins; height of head 3¼ ins $46 50
One in cardboard box; wt per doz 20 lbs.

Per Doz

No. 472B—**Extra Blades** for No. 472 plane; width 3 ins $15 00
One doz in cardboard box; wt per doz about 1 lb.

STANLEY

Cast iron frame and handle shank, japanned; tool steel blade sharpened at both ends, tempered and polished; hardwood handle securely fastened to shank. Can be used for all kinds of scraping. Especially recommended for scraping floors on account of its strength and form.

Each

No. 282—Width of blade 3 ins; length over all 13 ins $3 30

One in cardboard box; wt per doz 19½ lbs.

STANLEY

The tilting device permits the cutter to be easily and quickly adjusted to any angle required. The cutter stop screws can be adjusted to hold narrow cutters, and prevent their slipping back while working.

Per Doz

No. 82—Japanned cast iron frame and handle shank, polished maplewood handle and knob; length over all 14½ ins, 3 in tool steel cutter $50 25
One in cardboard box; wt per doz 20 lbs.

No. 82B—**Extra blades** for No. 82 scraper 7 65
Half doz in box; wt per doz 1 lb.

FLOOR OR CABINET SCRAPERS

BISHOP

Per Doz

No. 2—Plain beechwood handle, 12 inches long, tempered and polished, tool steel blade 3x3 inches, malleable iron clamp and screw $20 25
Half doz in cardboard box; wt per doz 9 lbs

ATKINS

Malleable iron frame and polished nickel plated cross-bar. 3 inch silver steel blade, length over all 11¾ ins

Per Doz

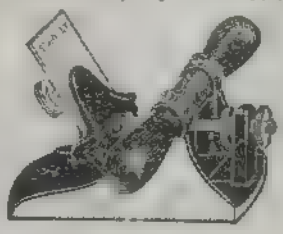
No. 86—**Perfection** $25 50
Half doz in cardboard box; wt per doz 11½ lbs.

Per Doz

No. 86B—**Extra Blades** for No. 86 scraper; width 3 ins $6 75
Half doz in box, wt per doz 1 lb.

STANLEY, Adjustable Veneer.

Japanned cast iron frame, face and clamp, steel adjusting screws, polished rosewood handles, tempered and polished tool steel cutter, adjustable to any angle, length 6¼ inches.



Iron Bottom.

Each

No. 12—Iron bottom; 3 in. steel cutter $10 50
One in cardboard box, wt each 3¾ lbs.

Rosewood Bottom.

Each

No. 12½—Rosewood bottom, suitable for fine work; 3 inch cutter $14 25
One in cardboard box, wt each 4 lbs.

FLOOR SCRAPER BLADES
For Nos. 12 and 12½ Scrapers.

Per Doz

No. 12B—Wt per doz 2 lbs $12 60

STEARNS
Lawn Mower Pattern.

Cast iron frame, finished in aluminum. The knife scrapes the floor when the machine is drawn towards the operator, and will therefore with the adjustable cross handle, which may be placed to one side or the other, work up to the wall and into the corners. Rubber tired wheels.

Each

No. 10—Width of blade 6 ins; diam of wheels 5 ins; length of handle and braces 38½ ins . $36 00
One in crate, handle wrapped; wt each 100 lbs.

EXTRA BLADES

Per Doz

No. 10B For No. 10 floor scraper $28 50
Packed loose; wt per doz about 2½ lbs.

AUTOMOBILE WRENCHES

BILLINGS & SPENCER DISPLAYBOARD

Display board 26 inches long, 9 5/16 inches wide. Hooks are premanently fastened and the board is ready for the dealer's immediate use. Set consists of 36 wrenches, 3 each as follows:

Thin Head Check Nut or Tappet, 15° Angle, Double Head Wrenches.

Nos.	Hex Head Cap Screw Size Ins	Size Screw S. A. E Head and Nut Ins	Milled Openings Ins	Length Ins
1325	5/16 & 1/2	1/2	3/8 & 7/16	4 1/2
1326	1/2 & 9/16	9/16 & 5/8	7/16 & 1/2	4 1/2
1327	9/16 & 5/8	5/8 & 3/4	1/2 & 9/16	4 1/2
1328	5/8 & 11/16	3/4 & 13/16	9/16 & 5/8	5 1/2
1329	3/4 & 13/16	13/16 & 7/8	5/8 & 3/4	5 1/2
1330	7/8 & 15/16	15/16 & 1	3/4 & 7/8	7

Automotive, 22½° Angle, Double Head Wrenches.

1557	1/4 & 5/16	1/4 & 5/16	7/16 & 1/2	4 3/4
1558	5/16 & 3/8	5/16 & 3/8	1/2 & 9/16	5 3/4
1562	3/8 & 7/16	3/8 & 7/16	9/16 & 5/8	5 3/4
1570	1/2 & 3/4	1/2 & 11/16	3/4 & 1	8 1/2

Long, Thin Head Tappet, 15° Angle, Double Head Wrenches.

For valve tappets, check nuts and adjusting screws.

Nos.	U. S. S. Nut, Ins	S. A. E. Nut, Ins	Milled Opening, In	Length Ins
1335	1/4	5/16 & 3/8	3/8 & 7/16	6
1336	5/8	7/16	9/16 & 11/16	7

	Each
No. A-11B—Black finish	29 10 $24 66
No. A-11N—Nickel finish	43 05 36 36

Board and wrenches in carton; wt complete 18 lbs.

AUTOMOBILE WRENCHES

BILLINGS & SPENCER DISPLAY BOARD

Set consists of 80 wrenches, 4 each as follows:

	Williams corresponding Number		Williams corresponding Number
No. 1107	23	No. 1557	
No. 1109	725	No. 1559	761A)
No. 1111	725B	No. 1562	
No. 1112	25	No. 1566	(762B)
No. 1116	(728	No. 1568	
No. 1118	27	No. 2000	(675B)
No. 1121	(730)	No. 2007	(677B)
No. 1123X	(29)	No. 2017	(679)
No. 1128	(31)	No. 2025	(681B
No. 1136		No. 2035	

Size board 46x10⅞ inches.

	Each
No. A-8N—Nickel finish	102 30 $86 48
No. A-8B Black finish	70 05 59 28

Board crated; wrenches packed in wood box; wt 25 lbs.

BILLINGS & SPENCER, DISPLAY BOARD

Set consists of 36 wrenches, 3 each as follows:

	Williams corresponding Number
No. 1107	23
No. 1109	725)
No. 1111	725B)
No. 1112	25
No. 1116	
No. 1118	27)
No. 1123	29)
No. 1128	
No. 2000	675B
No. 2007	677B)
No. 2017	679)
No. 2025	(681B)

	Each
No. A-10N Nickel finish	40 95 $34 62
No. A-10B Black finish	28 35 23 94

Size board 26x9 5/16 inches.

Board and wrenches packed in carton; wt each 20 lbs.

WRENCH SETS
In Canvas Rolls.
S. A. E. Standard.

Steel, drop forged.

Designed to meet the requirements of automobilists and machinists

Set consists of 5 double end wrenches, size 3/8&7/16, 1/2&9/16, 5/8&11/16, 3/4&7/8 and 15/16&1 1/16 inches.

	Per Set
No. A-8½BR—Black finish	5 70 $4 82
No. A-8½NR—Nickel plated; S.A.E. Standard	8 25 6 94

One set in heavy duck roll; wt per doz sets 36 lbs.

Set consists of 6 double end wrenches, size 3/8 & 7/16, 7/16 & 1/2 1/2 & 9/16, 9/16 & 5/8, 3/4 & 7/8, and 7/8 & 1 inches.

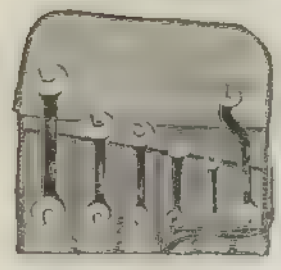
	Per Set
No. A-17½BR Black finish	5 61 $4 78
No. A-17½NR—Nickel plated; S.A.E. Standard	7 95 6 60

One in heavy duck roll; wt per doz sets 24 lbs.

AUTOMOBILE WRENCHES

BILLINGS & SPENCER

FOR FORD CARS



Steel, drop forged, black finish. Set consists of six double end wrenches with openings to fit practically all bolts, nuts and cap screws on a Ford car, included is a special reverse gear wrench.

Nos.	Milled Openings Ins	Fits U. S. Std Bolts Ins	Hex Head Cap Screw Size In	Thickness of Head Ins	Length Ins
1104	3/8		1/4		4 1/2
1111	1/2		3/8		5
1120	5/8		1/2	3/8	6 3/4
1123	7/8	5/8		3/8	8 3/4
1131	7/8	1/2	5/8	15/32	10
14 Reverse Gear	7/8	3/8		5/16	8 3/4

		Per Set
No. A-255CB—In canvas bags	6 45	*$5 46*
No. A-255—In cardboard boxes	5 55	*4 56*

Wt per set 3 lbs.

COUNTER DISPLAY CASES

Hardwood case, painted black; sheet metal front, lithographed in colors. Has rubber feet to prevent marring counter. One number 1123 wrench mounted on case.

Assortment consists of 84 nickel finish wrenches as follows:

Quantity	No.	U. S. S. Bolt Size	Hex. Head Cap Screw Size	Size, Sc. S. A. E. Head and Nut	Milled Openings
6	1104				
12	1107				
12	1109				
12	1111				
12	1112				
12	1116				
12	1118				
6	1123				

	Per Ass't
No. A-84—Length 12¾ ins; height 11¼ ins; depth 8 ins	90 00
One ass't in carton; wt per ass't 30 lbs.	*$76 20*

AUTOMOBILE WRENCHES

BILLINGS & SPENCER

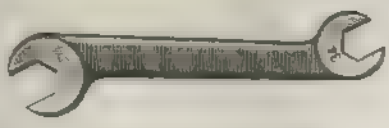
SPECIAL FORD REVERSE WRENCH

Steel, drop forged. Especially adapted for Ford reverse gear; size openings 5/8&11/16 inches; length 8¾ inches.

	Per Doz
No. A-14—Black finish; wt per doz 10 lbs	15 15 *$12 72*

Half doz in cardboard box.

FOR LOOM WORKS.



Drop forged from bar steel, black finish. This wrench is much in demand by loom repair men in cotton mills.

	Each
No. A-34—Milled openings 5/8 and 3/4 in; thickness of head 3/8 in; length 7 ins	1 08
Half doz in cardboard box; wt each 8 ozs	*$0 90*

UNEQUALLED FACILITIES
UNSURPASSED SERVICE
ASSURED SATISFACTION

AUTOMOBILE WRENCHES

BILLINGS & SPENCER

22½ Degree Angle.

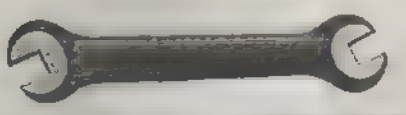
BLACK FINISH

Nos.	A-1401B	A-1402B	A-1404B	A-1409B
Milled openings, in	5/16 & 13/32	5/16 & 7/16	3/8 & 7/16	7/16 & 1/2
U. S. S. Bolt size, in	1/8 & 1/10			
Hex Head Cap Screw size, in		1/8 & 1/4	3/16 & 1/4	1/4 & 5/16
Length, ins	4	4	4	5
Thickness heads, in	3/32	3/32	1/4	5/16
Wt per doz, lbs	3/4	3/4	3/4	2 1/2
Per Doz	6 30	6 30	6 30	8 25
List	$5 28	5 28	5 28	6 96

Nos.	A-1411B	A-1413B	A-1417B	A-1421B
Milled openings, in	1/2 & 9/16	1/2 & 5/8	9/16 & 3/4	3/4 & 11/16
U. S. S. Bolt size, in				
Hex Head Cap Screw, in	5/16 & 3/8	5/16 & 7/16	3/8 & 1/2	7/16 & 9/16
Length, ins	5	5	6 1/4	6 1/4
Thickness head, in	5/16	5/16	3/8	3/8
Wt per doz, lbs	2 1/4	2 3/4	4 1/2	4 1/2
Per Doz	8 25	8 25	11 10	11 10
List	$6 96	6 96	9 36	9 36

Nos.	A-1433B	A-1442B	A-1454B	A-1455B
Milled opening, in	7/8 & 1	1 1/16 & 1 1/4	3/4 & 7/8	7/8 & 15/16
Hex Head Cap Screw, in	5/8 & 3/4	5/8 & 1	7/16 & 1/4	1/2 & 5/8
Length, ins	9	10 1/2	4	5
Thickness head, in	1/2	9/16	1/4	5/16
Wt per doz, lbs	12	17 1/2	2	4
Per Doz	20 55	28 35	6 30	8 25
List	$17 28	23 80	5 28	6 96

Nos.	A-1456B	A-1457B	A-1458B	A-1459B
Milled openings, in	3/4 & 15/16	7/8 & 1	1 & 1 1/8	1 1/16 & 1 1/4
Hex Head Cap Screw, in	1/2 & 9/16	5/8 & 3/4	3/4 & 7/8	1
Length,	6	7	8	9
Thickness head, in	3/8	7/16	1/2	9/16
Wt per doz, lbs	6	6 1/2	18 1/2	21 1/4
Per Doz	11 10	14 25	17 70	20 55
List	$9 36	12 00	14 88	17 28



22½ Degree Angle, Double Head, Set Screw.

BLACK FINISH

Nos.	A-1523B	A-1525B	A-1527B	A-1529B
Milled opening for set screw size, in	5/16 & 1/4	1/4 & 5/16	5/16 & 3/8	3/8 & 7/16
Length, ins	3 1/2	4	5	6
Thickness heads in	5/16	1/4	5/16	11/32
Wt per doz, lbs	1	1 1/2	2 1/4	3
Per Doz	5 70	6 75	8 25	9 90
List	$4 80	5 76	6 96	8 40

Nos.	A-1530B	A-1531B	A-1533B	A-1534B
Milled openings for set screw size, in	3/8 & 1/2	7/16 & 1/2	1/2 & 9/16	1/2 & 5/8
Length, ins	6 3/4	6 3/4	7 1/2	8 1/2
Thickness heads, in	3/8	3/8	7/16	1/2
Wt per doz, lbs	6	6	6 3/4	11 1/2
Per Doz	12 75	12 75	15 45	18 45
List	$10 80	10 80	12 96	15 60

Nos.	A-1535B	A-1537B	A-1539B
Milled openings for set screw size in	7/16 & 3/8	5/8 & 3/4	3/4 & 7/8
Length, ins	8 1/2	10	11 1/2
Thickness heads, in	1/2	9/16	5/8
Wt per doz, lbs	11 1/4	13 1/2	23
Per Doz	18 45	22 65	28 35
List	$15 60	19 20	24 00

AUTOMOBILE WRENCHES

BILLINGS & SPENCER

22½ Degree Double Head Textile.

BLACK FINISH

Nos.	A-1555B	A-1556B	A-1556XB	A-1557B
Milled openings, in	13/32 & 1/2	13/32 & 9/32	7/16 & 9/16	7/16 & 1/2
U. S. Std Bolt, in	3/8 & 1/4	1/4 & 5/16		
Hex Head Cap Screw size, in				1/4 & 5/16
Sq. Head Cap Screw size, in			1/4	5/16 & 3/8
S.A.E. Std Screw and Nut, in	5/16		3/8	1/4 & 5/16
Length, ins	4 3/4	4 1/4	4 1/4	4 3/4
Thickness head, in	1/4	1/4	1/4	1/4
Wt per doz, lbs	2	2	2	3
Per Doz	7 05	7 05	7 05	7 05
List	$5 04	5 04	5 04	5 04

Nos.	A-1558B	A-1559B	A-1562B	A-1563XB
Milled openings, in	1/2 & 9/16	1/2 & 9/32	9/16 & 5/8	9/16 & 3/4
U. S. Std Bolt, in		1/4 & 5/16		
Hex Head Cap Screw size, in	5/16 & 3/8		3/8 & 7/16	7/16 & 1/2
Sq. Head Cap Screw size, in			3/8 & 1/2	
S.A.E. Std Screw and Nut, in	5/16 & 3/8	3/8 & 7/16	3/8 & 7/16	1/2
Length, ins	5 1/4	5 1/4	5 1/4	5 1/4
Thickness head, in	1/4	1/4	1/4	1/4
Wt per doz, lbs	4	4	4	5
Per Doz	8 85	8 85	8 85	17 70
List	$6 20	6 20	6 20	12 40

Nos.	A-1564B	A-1564XB	A-1566B	A-1566XB
Milled openings, in	1/2 & 9/16	5/8 & 3/4	3/4 & 7/8	7/8 & 1
U. S. Std Bolt, in	3/8 & 7/16		1/2 & 5/8	1/2
Hex Head Cap Screw size, in				
Sq. Head Cap Screw size, in		7/16 & 1/2		1/2 & 5/8
S. A. E. Std Screw and Nut, in		1/2 & 9/16		5/8 & 3/4
Length, ins	5 1/4	5 1/4	7	6 1/2
Thickness head, in	1/4	1/4	5/16	3/8
Wt per doz, lbs	4	8 1/2	5	6
Per Doz	8 85	17 70	11 40	11 40
List	$6 20	12 40	7 60	9 60

Nos.	A-1568B	A-1569B	A-1570B	A-1570XB
Milled openings, in	7/8 & 15/16	3/4 & 7/8	3/4 & 1	3/4 & 15/16
U. S. Std Bolt, in				
Hex Head Cap Screw size, in	1/2 & 9/16	1/2 & 5/8	1/2 & 5/8	1/2
Sq. Head Cap Screw size, in				
S. A. E. Std Screw and Nut, in	1/2	1/2 & 5/8	1/2 & 5/8	5/8 & 1/2
Length, ins	7	7	8 1/2	8
Thickness heads, in	11/32	1/2	5/16	3/8
Wt per doz, lbs	5	6	8 1/2	8
Per Doz	11 40	11 40	15 15	15 15
List	$9 60	9 60	12 72	12 72

Half doz in cardboard box.

AUTOMOBILE WRENCHES

BILLINGS & SPENCER

22½ Degree, Double Head Textile.

BLACK FINISH

Nos.	A-1571B	A-1573XB	A-1574B	A-1575XB
Milled openings, in	11/32 & 7/8	7/8 & 15/16	7/8 & 13/32	1/16 & 1
U. S. Std Bolt, in	1/2 & 1/2		1/2 & 9/16	
Hex Head Cap Screw size, in		1/2		3/4
Sq. Head Cap Screw size, in		5/8		
S.A.E. Std Screw and Nut, in	9/16	9/16 & 5/8	9/16	
Length, ins	8 1/4	8 1/4	8 1/4	9 1/2
Thickness heads, in	3/8	3/8	3/8	5/8
Wt per doz, lbs	8 1/4	8	8 1/4	18
Per Doz	15 15	15 15	15 15	20 25
List	$12 72	12 72	12 72	17 04

Nos.	A-1577XB	A-1578B	A-1580B	A-1581B
Milled openings, in	1 1/16 & 1	15/16 & 1 1/16	1 1/16 & 1 1/4	1 1/16 & 1 1/16
U. S. Std. Bolt, in	5/8	9/16 & 5/8	5/8 & 3/4	5/8 & 7/8
Hex Head Cap Screw size, in				
Sq. Head Cap Screw size, in				
S. A. E. Std. Screw and Nut, in	3/4 & 7/8	3/4	3/4 & 7/8	3/4 & 1
Length, ins	9 1/2	9 1/2	11	11
Thickness heads, in			1/2	1/2
Wt per doz, lbs	13	12 3/4	18	18
Per Doz	20 25	20 25	27 30	27 30
List	$17 04	17 04	23 04	23 04

NICKEL FINISH

Nos.	A-1555N	A-1557N	A-1558N	A-1559N
Milled openings, in	11/32 & 1/2	7/8 & 1	1 1/16 & 1 1/4	1 1/16 & 1 1/32
U. S. Std. Bolt, in	3/16 & 1/4			1/4 & 5/16
Hex Head Cap Screws size, in		1/2 & 5/16	5/16 & 3/8	
Sq. Head Cap Screw size, in		5/16 & 3/8		
S. A. E. Std Screw and Nut, ins	5/16	1/2 & 5/16	5/16 & 3/8	7/16
Length, ins	4 3/4	4 3/4	6 3/4	6 3/4
Thickness heads, ins	1/4	1/4	5/16	1/4
Wt per doz, lbs.	3	3	4 1/2	4
Per Doz	10 95	10 95	13 05	13 05
List	$9 12	9 12	11 04	11 04

Nos.	A-1562N	A-1564N	A-1566N	A-1568N
Mill openings, in	9/16 & 5/8	5/8 & 11/16	1 1/16 & 1 1/32	3/4 & 13/16
U. S. Std Bolt, in		1/2 & 5/8	5/8 & 3/4	
Hex Head Cap Screw size, in	5/8 & 7/16			1/2 & 9/16
Sq. Head Cap Screw size, in	7/16 & 1/2			
S. A. E. Std Screw and Nut, in	5/8 & 7/16			1/2
Length, ins	5 3/4	6 3/4	7	7
Thickness heads, in	5/16	5/16	11/32	11/32
Wt per doz, lbs.	4	4 1/2	5	5
Per Doz	13 05	13 05	17 10	17 10
List	$11 04	11 04	14 40	14 40

No.	A-1570N
Mill openings, in	3/4 & 1
U. S. Standard Bolt, in	
Hexagon Head Cap Screw size, in	1/2 & 3/4
Square Head Cap Screw size, in	
S. A. E. Standard Screw and nut, in	1/2 & 7/16
Length, ins	8
Thickness head, in	3/8
Wt per doz, lbs.	8
Per Doz	22 20
List	$18 72

AUTOMOBILE WRENCHES

BILLINGS & SPENCER

ENGINEERS'

15 Degree Angle, Double Head.

Drop forged from bar steel.

BLACK FINISH

Nos.	A-1100AB	A-1101B	A-1103B	A-1104B
Milled openings, in	1/2 & 9/16	5/16 & 11/32	7/16 & 1/2	3/8 & 7/16
U. S. Std Bolt, in		1/4 & 5/16	1/8 & 1/2	
Hex Head Cap Screw size, in				3/16 & 1/4
S. A. E. Std Screw and Nut, in			7/16	1/2
Length, ins	3 1/2	4	4 1/2	4 1/2
Thickness heads, in	5/16	1/4	9/32	9/32
Wt per doz, lbs.	1 1/4	1 1/2	2 1/2	2 1/2
Per Doz	4 65	4 95	6 00	6 00
List	$3 84	4 08	5 04	5 04

Nos.	A-1107B	A-1108B	A-1109B	A-1110B
Milled openings, in	1/2 & 9/16	11/32 & 3/8	7/16 & 1/2	7/16 & 1/2
U. S. Std Bolts, in	5/16 & 3/8	5/16 & 5/16	3/8	
Hex Head Cap Screw size, in	5/16		1/4 & 5/16	1/4 & 3/8
S. A. E. Std. Screw and Nut, in	5/16		1/4 & 5/16	1/4 & 3/8
Length, ins	4 1/2	5	5	5
Thickness heads, in	5/32	5/16	5/16	5/16
Wt per doz, lbs	2	2	2	2
Per Doz	6 00	7 05	7 05	7 05
List	$5 04	6 00	6 00	6 00

Nos	A-1111B	A-1112B	A-1114B	A-1116B
Milled openings, in	1/2 & 9/16	9/16 & 5/8	5/8 & 3/4	3/4 & 7/8
U. S. Std Bolt, in		1/4 & 5/16	5/16 & 3/8	
Hex Head Cap Screw size, in	5/16 & 3/8	3/8	3/8	
S. A. E. Std Screw and Nut, in	5/16 & 3/8	5/16		3/8 & 7/16
Length, ins	5	5	6	6
Thickness heads, in	5/16	5/16	11/32	11/32
Wt per doz, lbs	3	2	3	6
Per Doz	7 05	7 05	8 85	8 85
List	$6 00	6 00	7 44	7 44

Nos.	A-1117B	A-1118B	A-1119B	A-1119BX
Milled openings, in	7/16 & 1/2	7/16 & 1/2	7/16 & 1/2	5/8 & 11/16
U. S. Std Bolt, in		5/16 & 3/8	5/16 & 7/16	
Hex Head Cap Screw size, in	3/8 & 1/2			
S. A. E. Std Screw and Nut, in	3/8 & 1/2			1/2
Length, ins	6	6	6 1/2	6 1/2
Thickness heads, in	1/4	11/32	3/8	3/8
Wt per doz, lbs	3	3	3 1/4	3 1/4
Per Doz	8 85	8 85	10 65	10 65
List	$7 44	7 44	8 88	8 88

Nos.	A-1120B	A-1120BX	A-1121B	A-1123B
Milled openings, in	3/8 & 7/16	5/8 & 25/32	3/8 & 5/16	11/16 & 25/32
U. S. Std Bolt, in				3/8 & 7/16
Hex Head Cap Screw size, in	7/16 & 1/2		7/16 & 9/16	
S. A. E. Std Screw and Nut	7/16 & 1/2		7/16	
Length, ins	6 3/4	6	6 1/4	6 3/4
Thickness, heads, in	5/8	5/8	5/8	5/8
Wt per doz, lbs	3 1/2	4	3 1/4	3 1/4
Per Doz	10 65	10 65	10 65	10 65
List	$8 88	8 88	8 88	8 88

AUTOMOBILE WRENCHES

BILLINGS & SPENCER—ENGINEERS

22½ Degree Angle, Double Head.

BLACK FINISH

Nos.	A-1123XB	A-1124B	A-1125B
Milled openings, in			
U. S. Std Bolt, in			
Hex Head Cap Screw size, in			
S. A. E. Std Screw and Nut, in.			
Length, ins	9	8	8
Thickness heads, in			
Wt per doz, lbs	6	7	7
Per Doz	10 65	12 75	12 75
List	$8 88	10 80	10 80

Nos.	A-1126B	A-1127XB	A-1128B
Milled openings, in			
U. S. Std Bolt, in			
Hex Head Cap Screw, size, ins			
S. A. E. Std Screw and Nut, in			
Length, ins	8	9	8
Thickness, heads, in			
Wt per doz, lbs	7½	11	10½
Per Doz	12 75	12 75	12 75
List	$10 80	10 80	10 80

Nos.	A-1129B	A-1130B	A-1131XB	A-1132B
Milled openings, ins				
U. S. Std Bolt, ins				
Hex Head Cap Screw, size, in				
S. A. E. Std Screw and Nut, in				
Length, ins	9	9	10	9
Thickness, heads, in				
Wt per doz, lbs	10½	10½	14	12
Per Doz	15 60	15 60	15 60	15 60
List	$13 20	13 20	13 20	13 20

Nos.	A-1132XB	A-1133B	A-1134B	A-1136B
Milled openings, in				
U. S. Std Bolt, in				
S. A. E. Std Screw and Nut, in				
Length, ins	9	9	10	10
Thickness, heads, in				
Wt per doz, lbs	12	12	19	4
Per Doz	15 60	15 60	19 35	19 35
List	$13 20	13 20	16 32	16 32

Nos.	A-1137B	A-1138B	A-1139B	A-1140B
Milled openings, in				
U. S. Std Bolt, in				
S. A. E. Std Screw and Nut, in				
Length, ins	11½	11½	11½	11½
Thickness, heads, in				
Wt per doz, lbs	21	21	21	21
Per Doz	27 30	27 30	27 30	27 30
List	$23 04	23 04	23 04	23 04

Nos.	A-1141B	A-1142B	A-1146B
Milled openings, in			
U. S. Std Bolt, in			
S. A. E. Std Screw and Nut, in			
Length, ins	13	13½	13
Thickness heads, in			
Wt per doz, lbs	24	32	24
Per Doz	39 75	39 75	39 75
List	$33 60	33 60	33 60

Half doz in cardboard box.

AUTOMOBILE WRENCHES

BILLINGS & SPENCER, ENGINEERS

15 Degree Angle, Double Head.

NICKEL FINISH

Nos.	A-1101N	A-1104N	A-1105N	A-1107N
Milled openings, in				
U. S. Std Bolt, in				
Hex Head Cap Screw Size, in				
S. A. E. Std Screw and Nut, in				
Length, ins	4	4½	4½	4½
Thickness heads, in				
Wt per doz, lbs	1¼	1½	1¾	1¾
Per Doz	7 50	9 15	9 15	9 15
List	$6 24	7 68	7 68	7 68

Nos.	A-1109N	A-1111N	A-1112N	A-1114N
Milled openings, in				
U. S. Std Bolt, in				
Hex Head Cap Screw size, in				
S. A. E. Std Screw and Nut, in				
Length, ins	5	5	5	6
Thickness heads, in				
Wt per doz, lbs	2¾	3	3	3
Per Doz	10 95	10 95	10 95	13 05
List	$9 13	9 13	9 13	11 04

Nos.	A-1116N	A-1117N	A-1118N	A-1119N
Milled openings in				
U. S. Std Bolt, in				
Hex Head Cap Screw size, in				
S. A. E. Std Screw and Nut, in				
Length, ins	6	6	6	6¼
Thickness heads, in				
Wt per doz, lbs	6	8	8	8
Per Doz	13 05	13 05	13 05	15 90
List	$11 04	11 04	11 04	13 44

Nos.	A-1120N	A-1121N	A-1123N	A-1125N
Milled openings, in				
U. S. Std Bolt, in				
Hex Hd. Cap Screw, in				
S. A. E. Std Screw and Nut, in				
Length, ins	6½	6½	6½	8
Thickness heads, in				
Wt per doz, lbs	5	8	3¼	7½
Per Doz	15 90	15 90	15 90	19 35
List	$13 44	13 44	13 44	16 32

Nos.	A-1126N	A-1128N	A-1133N	A-1134N
Milled openings, in				
U. S. Std Bolt, in				
Hex Head Cap Screw size, in				
S. A. E. Std Screw and Nut, in				
Length, ins	8	8	9	10
Thickness heads, in				
Wt per doz, lbs	8½	8¼	5¼	5¼
Per Doz	19 35	19 35	24 15	30 75
List	$16 32	16 32	20 40	25 92

Nos.	A-1136N	A-1140N
Milled openings, in		
U. S. Std Bolt, in		
Hex Head Cap Screw size, in		
S. A. E. Std Screw and Nut, in		
Length, ins	10	11½
Thickness heads, in		
Wt per doz, lbs	5¼	9
Per Doz	30 75	39 75
List	$25 92	33 60

Half doz in cardboard box.

AUTOMOBILE WRENCHES

BILLINGS & SPENCER, LIGHT SERVICE

15 Degree Angle, Double Head.

BLACK FINISH

Nos.	A-2000B	A-2001B	A-2007B	A-2017B
Milled opening, in	3/8&7/16	3/8&1/2	1/2&9/16	5/8&11/16
Sq. Head Cap Screw, in	1/4&5/16	----	3/8&7/16	1/2&9/16
Hex Head Cap Screw, size, in	1/4	3/16&5/16	5/16&1/2	
S. A. E. Std Screw and Nut, in	1/4		5/16&3/8	----
Length, ins	6 1/4	6 1/4	7 1/8	8 1/4
Thickness, heads, in	1/32	1/32	1/4	5/16
Wt per doz, lbs	1 1/2	1 1/2	3 1/2	6 1/4
Per Doz	7 80	7 80	9 60	12 30
List	*$6 48*	*6 48*	*8 16*	*10 25*
Nos.	**A-2013B**	**A-2025B**	**A-2026B**	**A-2027XB**
Milled opening, in	9/16&1 1/16	1/4&5/16	3/4&7/8	15/16&1 1/16
Hex Head Cap Screw, in	----	1/2&9/16	1/2&5/8	1/2
S. A. E. Std Screw and Nut, in	----	----	1/2&9/16	5/8&1/2
Length, ins	8 1/4	9 1/4	9 1/4	10 1/2
Thickness heads, in	5/16	5/8	5/8	7/16
Wt per doz, lbs	6 1/4	7	9	14
Per Doz	12 30	15 60	15 60	19 95
List	*$10 32*	*13 20*	*13 20*	*16 80*
Nos.			**A-2033B**	**A-2035B**
Milled opening, in			3/4&1	7/8&1
Hex Head Cap Screw, in			5/8	5/8
S. A. E. Std Screw and Nut, in			7/8&1 1/16	7/8&1 1/16
Length, ins			10 3/8	10 3/8
Thickness Heads, in			7/16	7/16
Wt per doz, lbs			8 1/2	14
Per Doz			19 95	19 95
List			*$16 80*	*16 80*

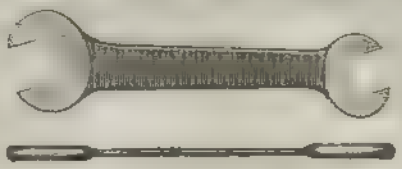
NICKEL FINISH

Nos.	A-2000N	A-2001N	A-2007N	A-2013N
Milled openings, in	3/8&7/16	3/8&1/2	1/2&9/16	15/16&1 1/16
Sq. Head Cap Screw, in	1/4&5/16	----	5/8&3/4	----
Hex Head Cap Screw size, in	5/16&1/4	3/16&5/16	5/16&3/8	----
S. A. E. Std Screw and Nut in	----	----	7/16&1/2	----
Length, ins	6 1/4	6 1/4	7 1/8	8 1/4
Thickness heads, in	1/32	1/32	1/4	5/16
Wt per doz, lbs	4 1/4	2	5 1/2	5
Per Doz	10 95	10 95	13 35	16 50
List	*$9 13*	*9 12*	*11 28*	*13 92*
Nos.	**A-2017N**	**A-2025N**	**A-2026N**	**A-2033N**
Milled openings, in	5/8&11/16	3/4&13/16	3/4&7/8	7/8&15/16
Sq. Head Cap Screw, in	1/2&9/16	----	----	----
Hex Head Cap Screw size, in	7/16	1/2&9/16	1/2&5/8	----
S. A. E. Std Screw and Nut, in	7/16	1/2	5/16&7/16	7/16&1/2
Length, ins	8 1/4	9 1/4	9 1/4	10 3/4
Thickness heads, in	5/16	3/8	3/8	7/16
Wt per doz, lbs	6 1/4	7	9	8 1/4
Per Doz	16 50	20 55	20 55	25 50
List	*$13 92*	*17 28*	*17 28*	*21 60*
No.				**A-2035N**
Milled openings, ins				7/8&1
Hex Head Cap Screw, size, in				5/8&3/4
S. A. E. Std Screw and Nut, in				7/8&1 1/16
Length, ins				10 3/4
Thickness heads, in				7/16
Wt per doz, lbs				12
Per Doz				25 50
List				*$21 60*

Half doz in cardboard box

AUTOMOBILE WRENCHES

BILLINGS & SPENCER



15 Degree Angle, Double Head.

Drop forged from bar steel.

BLACK FINISH—THIN HEAD, CHECK NUT

Nos.	Per Doz		Milled Openings ins	Fits U. S. Stand Bolts Size, in	Lgth ins	Thickness Heads ins
A-1350B	7	05	*$6 00*	13/32 & 1/2	3/16 & 1/4	4 1/2	5/32
A-1351B	7	05	*6 00*	13/32 & 15/32	3/16 & 1/4	4 1/2	5/32
A-1352B	7	05	*6 00*	1/2 & 19/32	1/4 & 5/16	4 1/2	5/32
A-1353B	9	15	*7 68*	1/2 & 11/16	1/4 & 5/16	5 1/2	5/32
A-1354B	9	15	*7 68*	19/32 & 11/16	5/16 & 3/8	5 1/2	5/32
A-1355B	9	15	*7 68*	19/32 & 23/32	5/16 & 7/16	5 1/2	5/32
A-1356B	11	40	*9 60*	11/16 & 23/32	3/8 & 1/2	7	7/32
A-1357B	11	40	*9 60*	11/16 & 7/8	3/8 & 1/2	7	7/32
A-1358B	11	40	*9 60*	25/32 & 7/8	7/16 & 1/2	7	7/32
A-1359B	15	90	*13 44*	25/32 & 7/8	7/16&9/16	8 1/2	1/4
A-1360B	15	90	*13 44*	7/8 & 31/32	1/2 & 9/16	8 1/2	1/4
A-1361B	15	90	*13 44*	7/8 & 1 1/16	1/2 & 5/8	8 1/2	1/4
A-1362B	24	00	*20 16*	31/32 & 1 1/16	9/16 & 5/8	10 1/2	9/32
A-1363B	24	00	*20 16*	31/32 & 1 1/4	9/16 & 3/4	10 1/2	9/32

Half doz in cardboard box; average wt per doz about 12 lbs

Nos.	Per Doz		Milled openings in	Hex Head Cap Screw in	S. A. E. Std. nut and Cap Screw Size bolt or screw In	Length ins	Thickness Heads, ins
A-1325B	7	20	*$6 00*	3/8&	1/2 &1 1/4	1	4 1/2	5/32
A-1326B	7	20	*6 00*	7/16&1/2	1/2&5/8	7/16 & 1/2	4 1/2	5/32
A-1327B	7	20	*6 00*	1/2&9/16	5/8&3/4	5/8 & 3/4	4 1/2	5/32
A-1328B	9	15	*7 68*	5/8&	5/8&	5/8&	5 1/2	5/32
A-1329B	9	15	*7 68*	5/8&	7/8 & 1	7/8 & 1	5 1/2	5/32
A-1330B	11	40	*9 60*	3/4&13/16	13/16&5/8	1/2 & 5/8	7	7/32

BLACK FINISH—TAPPET

A-1334B	9	90	*$8 40*	15/16&1 1/16	----	1/4	----	----
A-1335B	12	00	*10 08*	1 1/16&		5/16&3/8	----	----
A-1336B	14	25	*12 00*	1 1/16&		3/8	----	----

NICKEL FINISH—THIN HEAD, CHECK NUT

Nos.	Per Doz		Milled Openings In	Fits U.S. Std Bolts Size, In	Lgth Ins	Thickness Heads, in
A-1325N	10	95	*$9 12*	3/8&	1/2	4 1/2	5/32
A-1326N	10	95	*9 12*	7/16&1/2	1/2&5/8	4 1/2	5/32
A-1327N	10	95	*9 12*	1/2&9/16	5/8&3/4	4 1/2	5/32
A-1328N	13	80	*11 52*	9/16&5/8	5/8&	5 1/2	5/32
A-1329N	13	80	*11 52*	5/8&3/4	7/8&1	5 1/2	5/32
A-1330N	17	10	*14 40*	3/4&7/8	1/2&9/16	7	7/32
A-1335N	16	50	*13 92*				
A-1336N	19	95	*16 80*				
A-1350N	10	95	*9 12*	13/32 & 1/2	3/16 & 1/4	4 1/2	5/32
A-1352N	10	95	*9 12*	1/2 & 13/32	1/4 & 5/16	4 1/2	5/32
A-1354N	13	80	*11 52*	19/32 & 11/16	5/16 & 3/8	5 1/2	5/32
A-1356N	17	10	*14 40*	11/16 & 23/32	3/8 & 1/2	7	7/32
A-1358N	17	10	*14 40*	25/32 & 7/8	7/16 & 1/2	7	7/32

Half doz in cardboard box; average wt per doz 5 lbs.

COAL PICKS

—PINE KNOT—

Solid steel body and points, natural finish, oiled, large full eyes.

A Pattern Cutting used largely in Indiana and Illinois.

Nos.	1¼PKA	2PKA	2½PKA	3PKA
Wt each, lbs	1½	2	2½	3
Length over all, ins	12	14	14½	16
Wt doz, lbs	18	24	30	36
Per Doz	$11 25	11 25	12 30	12 75

One doz in bale

—PINE KNOT—

B Pattern Cutting used largely in Ohio, Indiana, Kentucky, West Virginia and parts of Illinois.

Nos.	1½PKBC	2PKBC	2½PKBC	3PKBC
Wt each, lbs	1½	2	2½	3
Length over all, ins.	12½	13	14	15
Wt doz, lbs	18	24	30	36
Per Doz.	$11 25	11 25	12 30	12 75

Nos.	3½PKBC	4PKBC	4½PKBC
Wt each, lbs	3½	4	4½
Length over all, ins	16	17	17½
Wt doz, lbs	42	48	54
Per Doz	$14 04	15 15	16 20

One doz in bdle.

—PINE KNOT—

Brennan Pattern Mining used largely in West Virginia and other sections of the country.

Nos.	1½PKBM	2PKBM	2½PKBM	2¾PKBM
Wt each, lbs	1½	2	2¼	2½
Length over all, ins.	13½	15	15	15½
Wt doz, lbs	18	24	27	30
Per Doz	$11 25	11 25	12 00	12 30

Nos.	2¾PKBM	3PKBM	3½PKBM	4PKBM	4½PKBM
Wt each, lbs	2¾	3	3½	4	4½
Length over all, ins	16	17	18	19	20
Wt doz, lbs	36	36	42	48	50
Per Doz	$12 78	13 20	13 95	15 15	16 20

One doz in bdle.

—PINE KNOT—

L Long Pattern Mining used largely in Indiana and Illinois.

Nos.	1½PKL	2PKL	2½PKL	3PKL
Wt each, lbs	1½	2	2½	3
Length over all, ins	12	13½	15	17
Wt doz, lbs	18	24	30	36
Per Doz	✚$11 25	11 25	12 30	12 75

One doz in bdle.

✚F. O. B. West Virginia Factory Only.

COAL MINERS' TOOLS

For Blasting Purposes.

TAMPING DRILLS

⅞ in. round iron; length over all 6 ft.; best tool steel bit, 6 in. long, 2½ in. wide; natural finish.

	Per Doz
No. 1TD—Iron Tamping Head; wt doz 90 lbs	$30 45
No. 2TD—Copper Tamping Head; wt doz 100 lbs	54 75

Half doz in bdle.

DOUBLE END SCRAPERS

Length 6 ft.; tamping head length, 6 inches; black finish.

	Per Doz
No. 5S—Made of ⅞ in. round steel	$23 55
No. 50S—Made of ⅝ in. round steel, copper head	33 00

One doz in bdle.

COMBINED TAMPERS AND SCRAPERS

Length 6 feet; tamping head, length, 6 inches; black finish.

	Per Doz
No. 6TS—Iron tamping head; made of ⅞ in. round iron; 1 in. head	$18 75
No. 60TS—Copper tamping head; made of ¾ in. round iron; 1½ in. head	34 05

One doz in bdle.

NEEDLES

Length over all 6 feet, tapers to sharp point; will not bend.

	Per Doz
No. 2N Best tool steel, one piece, polished; tapers from ⅜ in; open handle; 6 ft long	$18 00
No. 4N—Malleable handle riveted to copper needle. Drawn from 7/16 in. hard copper rods to an exact taper, 6 ft long. Ground, highly polished and lacquered to prevent corrosion	42 60

One doz in bdle; wt per doz 80 lbs.

SLATE BARS

Made from a good grade of octagon carbon steel; are very useful to take up bottom or pull down rock or coal.

Nos.	209-SB	210-SB	211-SB
Length, ft	4	4½	5
Wt each, lbs	11	12½	14
Per Doz	✚$22 50	✚24 00	✚27 00

Packed loose.

CLEANERS PICKS

Made of special high grade carbon steel. A tool needed by every flat trimmer.

Nos.	224-2½	224-2¾
Wt each, lbs	2½	2¾
Per Doz	✚$24 75	✚24 75

Packed loose.

✚F. O. B. Ohio Factory Only.

COAL MINERS TOOLS

TRACK ADZES

Forged from a solid piece of tool steel. Head and cutting edge well tempered. Especially adapted for trackmen.

	Per Doz
No. TA3½—Width 3 ins; length over all 11 ins	$42 75

Packed loose; wt each 3½ lbs.

SPIKE BARS

Made of special high carbon steel; with claw jaw and heel Especially adapted to use of track men.

	Per Doz
No. 220SB—Length 30 ins; for ⅝ in. spike	$19 50

Packed loose; wt per doz about 72 lbs.

MACHINE BITS

Made from high grade steel that is especially adapted for the purpose; are carefully sharpened.

Chisel Point.

Nos.	4CP	4½CP
Size, ins	1x⅜x4	1x½x4½
Wt per keg, lbs	250	320
Per 100 Pieces	+$14 70	+15 75

Pick Point.

Nos.	4PP	4½PP
Size, ins	1x⅜x4	1x½x4½
Wt per keg, lbs	250	320
Per 100 Pieces	+$14 70	+15 75

Approx 500 to the keg.

BLANK BIT STEEL

High grade tool steel, especially adapted for machine bits.

	Per 100 Lbs
No. 1½BS—Size 1x½ in	+$14 40

Approx 500 to the keg; wt per keg 250 lbs.

BLACK DIAMOND SPADS

Made of clean cut sheet steel, 1⅜ inches long.

	Per Gro
No. 10P—Plain	+$4 50
No. 10N—Non-corrosion	+ 5 25

Wt per gro 1 lb.

Made of clean cut sheet steel, 1⅝ inches long.

	Per Gro
No. 20P Plain	+$6 00
No. 20N—Non-corrosion	+ 6 75

Wt per gro 1½ lbs

Made of clean cut sheet steel, 2 inches long.

	Per Gro
No. 30P—Plain	+$6 75
No. 30N—Non-corrosion	+ 7 50

Wt per gro 2 lbs.

Made from drop forged steel, 2½ inches long.

No. 400P—Plain	+Prices on Application
No. 400N—Non-corrosion	+Prices on Application

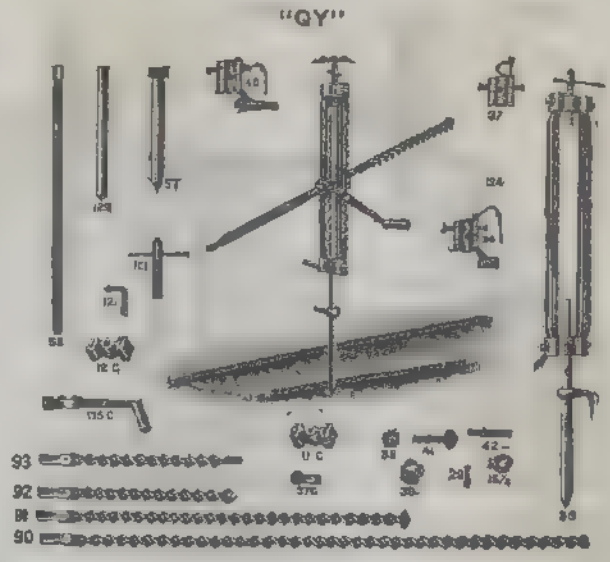
Wt per gro 6 lbs.

+Nos. 4CP, 4½CP and 1½BS, F. O. B. Pennsylvania Factory Only.
+Spads—F. O. B. Virginia Factory Only.

MINERS' DRILLS

NOTCHED STEEL POST

"QY"



Steel post and journals; special steel thread bar and augers. For all kinds of coal; with 3 augers, one each 2, 4 and 6 feet long; diameter augers 1⅝ inches; length feed bar 3¼ feet; diameter feed bar 1¼ inch; 9 threads to inch. Length of frames 3½ ft.

	Each
No. QYSEG—Side and end gear; wt each 75 lbs	$36 00
No. QYEG—End gear only; wt each 65 lbs	32 25

Packed loose.

EXTRA PARTS FOR "QY" NOTCHED DRILLS

In ordering augers, specify whether same are wanted with square or feather edge. When ordering drills or posts, state thickness of the vein of coal in which they are to be used.

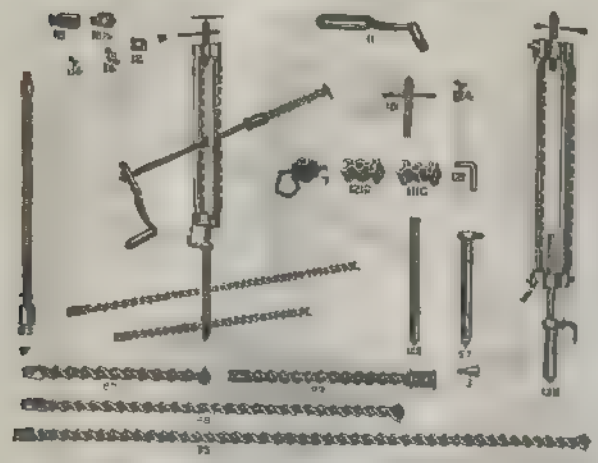
Always give number and name of part wanted.

Nos.		Each
34	Thread Box (Alloy Metal)	$6 45
40	Thread Box, complete with No. 42 Shaft and No. 86 Small Pinion	+ 7 92
42-XX	Threaded Box Shaft	1 77
55	Thread Bar	+ 6 45
11C	Casting for Post Jack Screw No. 101 fits in)	+ 3 30
12C	Casting for Post (No. 129 fits in)	+ 3 30
16½	Ring for 1¼ in Boot	+ 72
29	Small Spring Key for Shaft	+ 18
35	Large Gear Wheel	+ 1 65
36	Small Gear Wheel	+ 1 50
37	End Gear Thread Box	+ 2 85
37C	Square Socket for Augers	+ 84
41	Journal and Cog	+ 3 00
57	Small Boot, 1¼ in. diam	+ 2 64
90	Long, or 6 ft Auger	+ 6 60
91	Medium, or 4 ft Auger	+ 4 95
92	Short, or 2 ft Auger	+ 3 15
93	Auger Extension, 2 ft long	+ 3 54
101	Jack Screw	+ 2 13
121	Tail Set Screw	+ 60
124	Set Screw for No. 11C and No. 12C	+ 42
129	Small Size Stem that fits in No. 57	+ 1 98
135C	Crank	+ 3 15
138	Post complete, as shown in cut	+20 25

+F. O. B. West Virginia Factory Only.

MINERS' DRILLS

BIRMINGHAM—NOTCHED



Steel post journals, special steel thread bar and augers.

For all kinds of coal; with 3 augers, one each 2, 4 and 6 feet long; diameter augers 1½ in., length feed bar 2¾ ft.; diameter feed bar 1 in.; 9 threads to inch. When ordering always give length of frame or height of coal.

	Each
No. 15BN—End gear; wt each 65 lbs	✚$32 55

Packed loose.

EXTRA PARTS

For Birmingham Notched Miners' Drills.

In ordering augers, specify whether same are wanted with square or feather edge. When ordering drills or posts, state thickness of the vein of coal in which they are to be used. Always give number and name of part wanted.

Nos.		Each
7	Thread Box (Alloy Metal)	✚$2 79
11	Crank	✚ 3 30
11C	Casting for Post that Jack Screw No. 110 fits in	✚ 3 30
12	Clamp	✚ 42
12C	Casting for Post that No. 129 fits in	✚ 3 30
14S	Square Thread Bar Socket	✚ 1 50
14T	Thumb Nut	✚ 42
15	Auger Socket	✚ 1 20
16½	Ring for 1¼ in. Boot	✚ 66
57	Small Boot 1¼ ins. diam	✚ 2 46
83	Thread Bar	✚ 6 75
85	Long Auger, 6 ft long	✚ 6 75
86	Medium Auger, 4 ft long	✚ 4 95
87	Small Auger, 2 ft long	✚ 3 12
88	Two foot Auger Extension	✚ 3 15
101	Jack Screw	✚ 2 19
114	Set Screw for Auger Socket	✚ 36
121	Tail Set Screw	✚ 66
124	Set Screw for No. 11C and 12C	✚ 42
129	Small Size Stem that fits in No. 57	✚ 1 98
138	Post complete as shown in cut	✚20 61

✚F. O. B. West Virginia Factory Only.

MINERS' DRILLS

NOTCHED STEEL POST

"L"

Made in end gear or direct motion only. Has flat augers. Socket is on the feed bar. Has no boot on the post. Patent adjustable take-up boxing.

Special carbon steel thread bar, steel journals and post; special steel augers.

With 3 augers, one each, 2, 4 and 6 feet long; diameters 1½ inches; length feed bar 3 feet; diameter feed bar 1⅛ inches, 8 threads to inch. Adjustable in height from 3½ to 6 feet.

	Each
No. 3L—End gear; wt each 40 lbs	$26 55

Packed loose.

MINERS' DRILL PARTS

DRILL PARTS FOR NOTCHED STEEL POST DRILLS

		Each
No. 55TB	Thread bar	$6 15
No. 131C	—Hinged or open boxing	2 70
No. 134C	—Gearing only for drill	8 10

Packed loose.

DRILL AUGERS FOR NOTCHED STEEL POST DRILLS

		Each
No. 6A	—Long or 6 ft auger	$6 30
No. 4A	—Medium or 4 ft auger	4 50
No. 2A	—Short or 2 ft auger	3 00

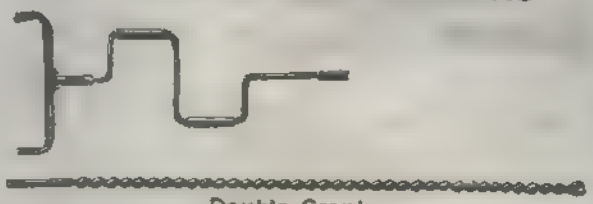
Packed loose.

DRILL PARTS FOR "A" DRILLS

		Each
No 7BA	—Boxing for end gear only	$2 55

Packed loose.

MINERS' BREAST AUGERS



Double Crank.

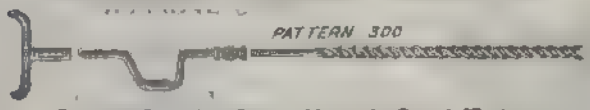
Open Hearth Steel Twist.

Steel breast strap, bent bar and socket; black finish. New style patent joint makes auger as rigid as though it were welded together; quickly removed; ferrule or crank has key which holds breast plate to auger and prevents it from slipping or falling off. For use in soft coal.

Nos.	36D	48D	60½D
Length twist, ins.	36	48	60
Diam. ins.	1¾	1¾	1½
Wt each, lbs	20	20	24
Per Doz.	✚$64 05	66 00	69 75
Nos.	**60D**	**72D**	**72½D**
Length twist, ins.	60	72	72
Diam, ins.	1¾	1¾	1½
Wt each, lbs.	25	27	26
Per Doz.	✚$75 00	✚75 00	71 25

✚F. O. B. West Virginia Factory Only.

MINERS' BREAST AUGERS



Single Crank—Open Hearth Steel Twist.

Steel breast strap, bent bar and socket; black finish.

New style patent joint which from its novel construction; makes an auger as rigid as though it were welded together, quickly removed; ferrule or crank has key which holds breast plate to auger and prevents it from slipping or falling off.

Nos.	36½	48½	36	48
Length twist, ins	36	48	36	48
Diam, ins	1½	1½	1¾	1¾
Wt each, lbs	14	16½	14½	17
Per Doz	✚$55 95	✚58 50	✚60 45	✚63 45

Nos.	60½	72½	72
Length twist, ins	60	72	72
Diam, ins	1½	1¾	1¾
Wt each, lbs	19	21	22
Per Doz	$63 00	✚63 45	✚68 25

Packed loose.

EXTRA PARTS

	Per Doz
No. 58P—Breast plate for miners breast augers	$10 50
No. 10C—Couplings for miners breast augers	3 63

Packed loose.

MINERS' SQUIBS

GENUINE POWELL

For firing blasts in coal mining. Length 6 inches. Burns with a flame.

No.	1PS
Per 1000	$6 75
Single Case Lots, Per Case	58 50
5 Case Lots, Per Case	57 00
10 Case Lots, Per Case	55 50

100 in box, 10,000 in wood case; wt per case 25 lbs.

SAND SCREENS

Heavy wood frame, painted red.

Steel wire bottom; mesh wires held in place by being locked in heavy sheet metal turned into a tubular shape. Size wire bottom 17½x46 inches.

Nos.	4WSS	5WSS	6WSS
Mesh, to inch	4	5	6
Size, ins	24x66	24x66	24x66
Wt each, lbs	22	23	24
Each	$27 00	27 00	27 00

Packed loose.

MINERS' HATS "See Dept. 9."

BEACON

Black—best quality material; stiff crown and brim; lined with white canton flannel ear pieces of same material. With tin holder attachment firmly riveted to front of hat, for holding a miner's lamp, the lamp easily attached.

	Per Doz
No. 866—Sizes 6⅝ to 7½	$24 45

Packed loose; wt per doz 5 lbs.

✚F. O. B. West Virginia Factory Only.

MINERS' CAPS

BLACK DIAMOND

Light weight white duck, lock stitched black enameled cloth visor; with fibre and tin lamp attachment.

	Per Doz	Per Gro
No. 222-3—Assorted sizes 6¾ to 7⅜; wt per doz 3¼ lbs	$5 55	60 00

One doz in cardboard box.

Heavy weight brown duck, strong, lock stitched; plain white cloth visor; tin and fibre lamp attachment.

	Per Doz	Per Gro
No. 200-1—Assorted sizes 6¾ to 7⅜; wt per doz 3¼ lbs	$7 50	70 50

One doz in cardboard box.

Corduroy, with ear lugs; red flannel lining; black enameled cloth visor; tin and fibre lamp attachment, for winter use.

	Per Doz	Per Gro
No. 225—Assorted sizes, 6¾ to 7⅜; wt per doz 3¾ lbs	✚$10 50	✚117 00

One doz in cardboard box.

BLACK DIAMOND

Light weight brown duck; black enameled cloth visor; with tin and fibre lamp attachment, will not absorb water or oil.

	Per Doz	Per Gro
No. 204-3—Assorted sizes, 6¾ to 7⅜; wt per doz 3½ lbs	$5 25	57 00

One doz in cardboard box.

Heavy weight white duck, strong, lock-stitched; plain white cloth visor, tin and fibre lamp attachment.

	Per Doz	Per Gro
No. 200-9—Assorted sizes; 6¾ to 7⅜; wt per doz 3¼ lbs	$8 25	76 50

One doz in cardboard box.

Note—No. 200-9 caps can also be furnished from stock, straight sizes, 6⅞, 7, 7⅛ and 7¼.

BLACK DIAMOND

Heavy weight brown duck, strong, lock stitched; black enameled cloth visor; tin and fibre lamp attachment.

	Per Doz	Per Gro
No. 201-9—Assorted sizes, 6¾ to 7⅜; wt per doz 3¼ lbs	✚$8 25	✚76 50

One doz in cardboard box.

BLACK DIAMOND

Heavy weight white duck, sole leather visor; sole leather lamp attachment with metal top.

	Per Doz
No. 211-2—Assorted sizes, 6¾ to 7⅜.	$10 80
No. 211-6 Size 6¾	10 80
No. 211-7 Size 7	10 80
No. 211-7 Size 7	10 80
No. 211-7 Size 7	10 80

One doz in cardboard box; average wt per doz 3¼ lbs.

BLACK DIAMOND

Heavy weight "special shrunk" white duck; flannel lined; specially treated vulcanized fibre visor, nonbreakable; specially treated vulcanized fibre, lamp holder made to carry any acetylene or oil lamp.

	Per Doz
No. 75—Assorted sizes 6¾ to 7⅜; wt per doz 4 lbs	$9 90

One doz in cardboard box.

✚F. O. B. Pennsylvania Factory Only.

MINERS' CARBIDE LAMPS

JUSTRITE

With Matchless Reflector.

Drawn from seamless brass.

A new principle in water feed—a valve enclosed in a ¼ inch tube, so constructed that it increases or decreases the supply of water, enabling the user to burn the flame at any size desired.

The hook is riveted and soldered; fits all caps.

The clasp is made of spring brass, holds lamp secure to cap; will fit all standard cap shields.

The burner tip is made of imported lava, with 4 air holes, which prevents carbonizing. Will not clog and does not require agitation in order to obtain water as needed.

JUSTRITE—Lever Feed, With Sparker.

Valve is operated by a lever sliding back and forth over notches, and held firmly in place by a small spring. The sparkler on reflector completely eliminates the use of matches.

Height 4 inches; diameter reflector 2¼ inches; 13½ candle power. Furnished with one No. J77 carbide container.

	Per Doz
No. 85—Lamp only; polished	$33 00

One in cardboard box; wt each 6 ozs.

JUSTRITE—Polygon Feed, With Sparker.

Valve Control—Lighter Attachment.

The sparker or igniter on reflector completely eliminates the use of matches.

Height 4¼ inches; diameter reflector 2⅝ inches; 15½ candle power.

Lamp only; polished brass.

No.	707
Doz lots, Per Doz	$25 50
Gross lots, Per Doz	24 00

One in cardboard box; wt each 6 ozs.

JUSTRITE—Polygon Feed, With Sparker.

Drawn from seamless brass; polygon. Square valve threaded and soldered on the valve stem. It is set rigid and cannot get out of alignment, therefore it is a positive water shut off and will not leak. The sharp corners of the button break, also rip away the caked carbide, always insuring a study free water flow. Diameter of reflector 3 ins.

	Doz lots, Per Doz	Gross lots, Per Doz
No. 767—Lamp only; polished brass	$28 50	27 00
No. 769—Lamp only; nickel plated	35 25	33 00

One in cardboard box; wt each 6 ozs

VICTOR—Regulating Value Water Feed, Detachable Reflector and Brace With Sparker.

The water feed is a dependable regulating valve which can be adjustable to permit the water to flow freely. Reflector polished brass, with wire edge that fits snug to the reflector brace; fastened to lamp with a knurled nut. Height 3¾ inches; detachable reflector 2½ inches in diameter; 16 candle power. Polished brass.

Lamp Only.

No.	661
Doz lots, Per Doz	$25 50
Gross lots, Per Doz	24 00

One in cardboard box; wt each 4½ ozs.

MINERS' CARBIDE LAMPS

GUYS DROPPER

Drawn from seamless brass. Has 2½ inch deep brass polished reflector intended for miners working in wet places or where the roof is low. Fitted with Guys patented water dropper and valve cleaner. Height 4 ins.; diameter of reflector 2½ inches.

	Per Doz
No. 28SL	
Less than 6 doz, Per Doz	$27 00
6 doz or more, Per Doz	26 25

No. 280SL—Nickel plated, otherwise same as No. 28SL $36 00

One in cardboard box; wt each 6 ozs

HUNTERS' HEAD LAMPS "See Dept. 9."

JUSTRITE

For Carbide.

Head light made of brass, nickel plated, held firmly to cap shield by hook and clasp; lens 2½ inch diameter, ½ inch thick, set in hinged frame, equipped with a ¼ foot imported fish tail lava tip and self-lighting attachment. Nickel silver reflector.

Generator—consists of two parts, water tank and carbide container, made of No. 20 gauge lead-coated steel; non-corrosive and non-rusting lock seamed and soldered 4½ inches high, 4½ inches long and 1¾ inches wide. Finished in black enamel. Complete with generator, headlight, rubber tube, belt and pins.

Burns 10 Hours on one Charge.

	Per Doz
No. J44—Complete, less cap	$157 50

One in cardboard box; wt 2 lbs.

REPAIRS FOR JUSTRITE LAMPS

NOTE -Positively will not break packages on repairs for Justrite lamps.

	Per Doz
No. J2—Rubber gaskets	$0 51
No. J4—Valve stems	6 75
No. J5—Felt packing	51
No. J6—Lava burner tips	51
No. J28—Metal shell, lava insert, burner tips	99

One doz in cardboard box.

No. J3—Felt holders	1 20

Half doz in cardboard box.

TIP REAMERS

Justrite.

Made of hard rust-proof wire designed especially for use on carbide lamp tips.

	Per Doz
No. J-145—Wt per tube 2 ozs	$1 05

One doz in metal tube.

REAMER CASES

	Per Doz
No. J150—Brass, nickel plated; length over all 2⅜ ins	$1 20

One doz in cardboard box; wt per doz 8 ozs.

CARBIDE FLASKS

JUSTRITE

Made of extra heavy tin, seamed and soldered.

	Per Doz
No. J24—Capacity 1 lb; height 6¾ ins; width 2⅛ ins; 1¾ in. hinged top	$4 95
No. J23—Capacity 1 lb; height 6¾ ins; width 2⅛ ins; 1¾ in. screw top	4 20

One doz in carton; wt per doz 4 lbs.

CARBIDE BOTTLES

Hinged Top. IX tin; seams not soldered.

	Per Doz
No. P22—Capacity 1 pt; height 7 ins; size 1¾x3 ins; opening 1¼ ins	$4 35

One doz in carton; wt per doz 4 lbs.

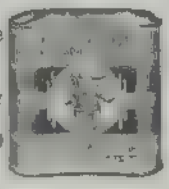
Screw Top. IX tin; seams not soldered.

	Per Doz
No. P25—Capacity 1 pt; height 7 ins; size 1¾x3 ins; opening 1¾ ins	$3 90

One doz in carton; wt per doz 4 lbs

POCKET CARBIDE CONTAINERS

JUSTRITE



Made of heavy tin, concaved with slide cover and round corners. Fits hip pocket.

	Per Doz
No. J77—Capacity 10 ozs; size 3½x4 ins	$3 30

One doz in carton; wt per doz 2 lbs

OIL FLASKS

IC plain; seamed and soldered. Screw cap.

No.	P2-OF
Size ins	1 x2
Height ins	6¼
Capacity pts	1
Per Doz	$5 70

One doz in carton; wt per doz 8½ lbs.

POWDER CANS

	Per Doz
No. P2-PC—IC plain; seamed and soldered; flat handle. Capacity 5 lbs; diam 4¾ ins; height 9½ ins	$7 20

One doz in carton; wt per doz 8 lbs.

IX tin; seamed and soldered; beaded body equipped with four sling loops, slip cap and concave bottom.

	Per Doz
No. P05-PC—Capacity 5 lbs; height 11¼ ins; size 3x6 ins; 1 in. opening	$7 65

One doz in carton; wt per doz 8 lbs.

SQUIB BOXES

	Per Doz
No. P10-SB—IC plain; with cap; capacity 100 squibs; length 7 ins; size 1⅝x7⅛ ins	$2 10

One doz in cardboard box; wt per doz 1½ lbs.

JUSTRITE ATTACHMENTS

LARGE REFLECTORS FOR JUSTRITE LAMPS

Large reflector; 3 inches in diameter; made of aluminum; highly polished; weight ½ ounce; suitable for drivers.

Increases the light to 16¾ candle power.

	Per Doz
No. J1—Fits any Justrite Miners' Lamp	+$6 75

One doz in cardboard box; wt per doz 6 ozs.

MATCHLESS REFLECTORS

For Justrite or Baldwin Lamps.

Made of polished brass. Held firmly around tip holder by means of tightening screw in collar. Will fit Justrite and Baldwin Miners' Lamps. The sparker or grater on the [illegible] makes it unnecessary as sparks are produced by simply turning wheel.

	Per Doz
No. J26—Diam 2½ ins	$7 35

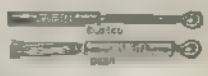
One doz in cardboard box; wt per doz 12 ozs.

EXTRA FLINTS, For Matchless Reflectors.

No.	J27
Per Doz	$0 45
Per Gross	3 60

Packed 1 in a capsule, 12 capsules in cardboard box.

TIP CLEANERS



OPEN

Steel wire brush; brass case. The brush is protected when not in use.

	Per Doz
No. J37—Length 2¼ ins	$3 00

One doz in cardboard box; wt per doz ½ lb.

JUSTRITE REPAIR OUTFITS

Contents.

6 doz. rubber gaskets.
3 doz. felt packing.
6 doz. burner tips.
1 doz. cleaning wires.
1 doz. felt holders.
½ doz. valve stems.

	Each
No. J20—Wt each 2 lbs	$12 00

+F. O. B. Illinois Factory Only.

Electric Table Lamps and Torches

COMPLETE WITH SILK CORD AND CHAIN PULL SOCKETS

J75085—Two light; rustic bronze base and 18¾ inch shade with panels of shaded blue art glass hand decorated with chrysanthemums in natural soft colors height 26 inches . . . . . **Each 46 00**

J75086—**Three Light Torche:** mediaeval gold and polychrome finish, each light has its own chain pull socket height 18 inches; complete with frosted bulbs **Each 45 00**

J75087—Two light, antique bronze base and 16 inch shade with panels of shaded yellow art glass hand decorated with wisteria in natural soft colors, height 20½ inches . . . . . **Each 25 00**

J75088—Two light, bronze metal base; Spanish brown and gold finished 17½ inch art metal shade backed with panels of shaded amber green and old rose beaded silk glass; height 21 inches **Each 40 00**

J75089—Two light; ivory verde bronze base and 17½ inch shade with panels of art glass hand decorated in scenic designs in natural soft colors, height 26 inches. . . . . **Each 59.00**

J75090—Two light, ebony and silver finish base and art metal shade with panels of amber art glass shade has a jeweled finial top screw, height 25 inches, diameter of shade 18 inches . . . . . **Each 45 00**

Electric Table Lamps and Electrolier

COMPLETE WITH SILK CORD AND CHAIN PULL SOCKETS

J75091—Two light antique gold metal base, 20½ inch art metal shade to match, with glass panels hand decorated with morning glory and lattice design in natural colors; height 24½ inches ..... **Each 38 00**

J75092—Two Light Electrolier; heavily silver plated; chain pull socket, height 16¾ inches **Each 13 50**

J75093—Two light, ivory verde bronze base and 16 inch shade with top and side panels of art glass with hand painted scenic decorations in soft natural colors, height 22½ inches **Each 32 50**

J75094—Three light; bronze metal base with a wood brown leather finish entirely new and very handsome; 20 inch art metal shade to match with panels of light green corded silk glass, and border in colors, height of lamp 23 inches ..... **Each 35 00**

J75095—Two light with lighted base, silver and black finish both base and shade have panels of amber art glass, the base having a light bulb inside which lights up when the lamp is lighted; height 22 inches, diameter of shade 18 inches..... .... **Each 45 00**

J75096—Two light, antique bronze base and 18¾ inch shade with panels of art glass; the decorations are garden flowers in natural colors on a black background, hand painted; very striking and handsome; height 26 inches **Each 45 00**

Electric Table Lamps

COMPLETE WITH SILK CORD AND CHAIN PULL SOCKETS

J75097—Two light; art metal base and 18 inch shade to match ebony and silver finish; shade has panels of amber art glass; height 2[illegible] inches . . . . . **Each 35.00**

J75098—Two light, art metal base with scenic art metal 18 inch shade finished in old brass, shade has panels of amber and rose art glass, height 24 inches . . . . . **Each 28.50**

J75099—Three light, Van Dyke brown and gold art metal base and 18 inch shade to match, shade has panels of corded silk canary glass and border of decorated glass, height 23½ inches **Each 40.00**

J75100—Two light; art copper bronze base with art glass 15⅝ inch shade; hand decorated with scenic design in natural soft colors, height 25¼ inches . . . . . **Each 37.50**

J75101—Two light, art copper bronze base with 16⅝ inch art glass shade hand decorated with scenic design in soft natural colors, height 21 inches . . . . . **Each 37.50**

Electric Table Lamps

COMPLETE WITH SILK CORD AND CHAIN PULL SOCKETS

FINIALS

J75102—Two light, old gold base and 18 inch shade with panels of amber art glass; height 23 inches .**Each 20 00**

J75103—Lamp Finials; see description of J75107 below, has two pendants and one crystal top, order color to harmonize with shade you have or are ordering .. ... **Each 2 00**

J75105—Two light; silver and black base with 18 inch shade to match; shade has panels of amber art glass, height 21 inches . ...**Each 30 00**

J75104—Two light; brush brass finish, height 24 inches, 16 inch art metal shade, backed with panels of amber art glass ... .**Each 21 00**

J75106—Two light, old gold finish; 17 inch art metal shade with panels of amber art glass, height 23 inches..... ..... **Each 21.00**

J75107—Lamp Finials; for beautifying the tops of lamps either table or floor, especially those with silk shades; these will screw on at top of any lamp shade and give a very handsome effect, consists of 4 glass prism pendants and one centre crystal, come in combination of colors, such as amethyst, topaz, sapphire, etc .**Each 3 00**

J75108—Two light, oriental bronze finish 18 inch shade to match, with panels of amber art glass; height 25½ inches.....**Each 21.00**

Electric Lamps

COMPLETE WITH SILK CORD AND SOCKETS

J75109—One Light Push Socket Small Size Living Room or Library Lamp; verde green metal base, old gold decorated, 10 inch silk shade with gold lace and chenille trimmings, height 17 inches..... **Each 13.00**

J75110—One Light Push Socket Small Size Living Room or Library Lamp; Venetian gold bronze base with 12x8½ inch oval shade, hand decorated in rich colors on shaded dark background; the decorations are on the inside of shade which gives a very soft rich effect; height 16¾ inches..... **Each 27 00**

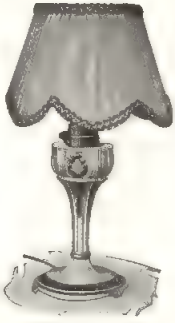
J75111—One Light Key Socket Small Size Living Room or Library Lamp; polychrome and old gold base, 14 inch parchment effect shade with mottled rose and purple background with silhouette figures; height 21 inches..... **Each 7 50**

Electric Torches

COMPLETE WITH SILK CORD AND SOCKETS

J75112—Electric Candlestick; silver plated with topaz pendants; height 16¾ inches; complete with frosted bulb..... **Each 7.50**

J75113—Torche; hard composition with old gold polychrome finish; height 18 inches, complete with frosted bulbs **Pair 13.50**



J75114—Dim-a-lite Boudoir Lamp; ivory and polychrome finish; 7½ inch rose and blue silk shade, has dim-a-lite attachment permitting the light to be dimmed for sick room or night use; height 15 inches..... **Each 9 00**

J75115—Torche; hard composition, old gold and polychrome finish; height 16¾ inches; complete with frosted bulbs..... **Pair 10 00**

J75116—Electric Candlestick; with hand painted parchment shield and blue tear drop pendants, silver plated, shield has decorations of bird and roses on a dark background, height 16 inches complete with frosted bulb..... **Each 16 50**

Torches, Desk and Boudoir Lamps

COMPLETE WITH SILK CORD AND SOCKET

For other styles of desk and boudoir lamps see following pages.

J75117—Torche; hard composition base and top, polychrome and old gold finish, genuine bronze gold mica 2¾ inch transparent cylinders, length 13½ inches . . . . . **Pair 6 50**

J75118 — Torche; composition base and top; old gold and polychrome finish, bronze gold transparent mica cylinders, height 15 inches **Pair 8 50**

J75119—Torche; metal base and top, mediaevel gold finish, shaded glass cylinders, hand decorated with vine design in colors height 14¼ inches, diameter shade 2¾ inches . **Each 17 50**

J75120 — Torche; composition base and top, bronze finish, yellow beaded parchment 2¾ inch cylinders with black silhouette figures, height 14 inches . . . . . **Pair 8 00**

Note—Beaded shades have fine crystal glass beads on their surface like sand paper and give a very soft effect

J75121 — Luminor or Torche; etched old gold metal base and top, with panels of hand painted high grade parchment, shade 13 inches, diameter at top 11 inches, at bottom 6½ inches chain pull socket **Each 32 50**

J75122—Torche; metal base and top, gold and polychrome finish top is ornamented with sapphire glass ball, genuine 3½ inch gold bronze mica cylinders, height 16 inches . . . . . **Each 15 00**

J75123—Torche; metal base and top, old gold finish, shaded glass cylinder with hand decorated scenic design, height 19 inches diameter 4 inches **Each 21 00**

J75124—Torche; metal base and top; bronze finish, backed by cylinder of amber glass, height 23 inches; diameter 5 inches **Each 22 50**

J75125—Boudoir or Desk Lamp; silver plated base with all glass 8 inch shade, hand decorated with scenic design in soft natural colors, height 13⅜ inches. . **Each 7 50**

J75126—Boudoir or Desk Lamp; very bronze finish, metal base 8 inch hand decorated glass shade, height 13 inches **Each 7 50**

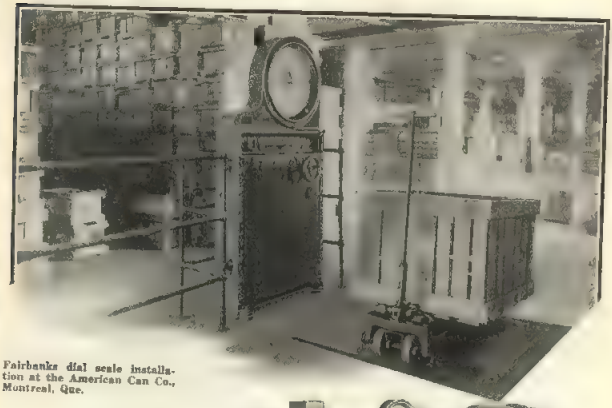
Gresit Juniorlite; has clamping device in base so that it may be hung or clamped any where; shade may be tilted at any angle and shade adjusted to suit; height 12 inches; diameter of shade 6 inches

J75127 — Brushed brass . . . . . **Each 6 75**

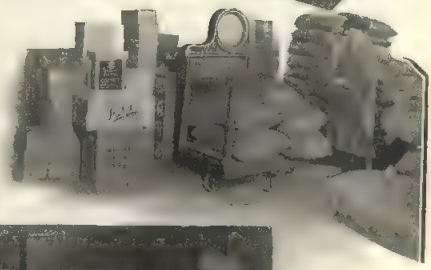
J75128—Jap bronze . . . . . **Each 6 75**

J75129—Boudoir or Desk Lamp; old ivory base, push socket, with 7⅝ inch embossed glass shade, with tinted light blue and pink coloring; height 14¾ inches. . . . . **Each 11.00**

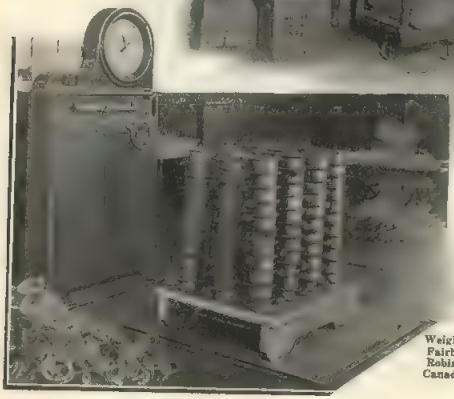
J75130 — Boudoir or Small Table Lamp; old brass and green metal base with push socket; 8 inch all glass shade hand decorated with scenic design on shaded orange and green background, rough pebbled surface, very handsome height 14½ inches . **Each 18 50**



Fairbanks dial scale installation at the American Can Co., Montreal, Que.

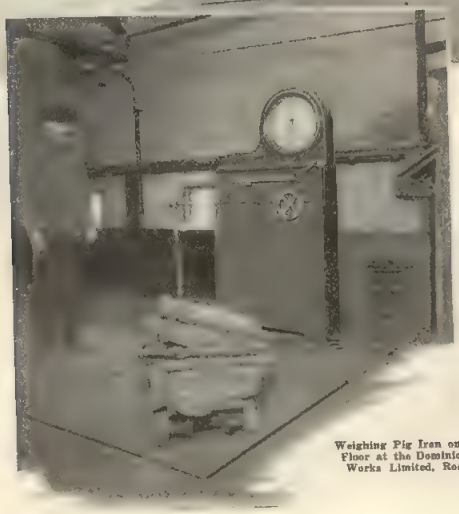


Installation of a Fairbanks dial scale at H. P. Eckardt & Co., Wholesale Grocers, Toronto, Ont.



Weighing castings on a Fairbanks dial scale at Robins & Myers Co. of Canada, Brantford, Ont.

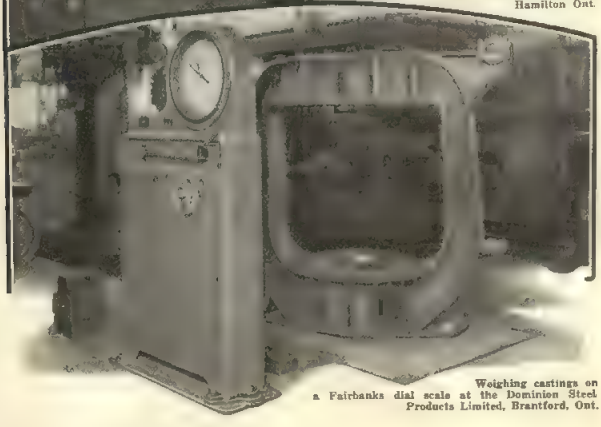
Weighing steel bars on a Fairbanks dial scale at Baines & David, Limited, Toronto, Ont.



Weighing Pig Iron on the Charging Floor at the Dominion Engineering Works Limited, Rockfield, Que.

Weighing babbitt metal on a Fairbanks dial scale at the Canada Metal Co, Limited, Toronto, Ont.

Fairbanks Sheet metal bundling bench scale at the Steel Co. of Canada, Hamilton Ont.



Weighing castings on a Fairbanks dial scale at the Dominion Steel Products Limited, Brantford, Ont.

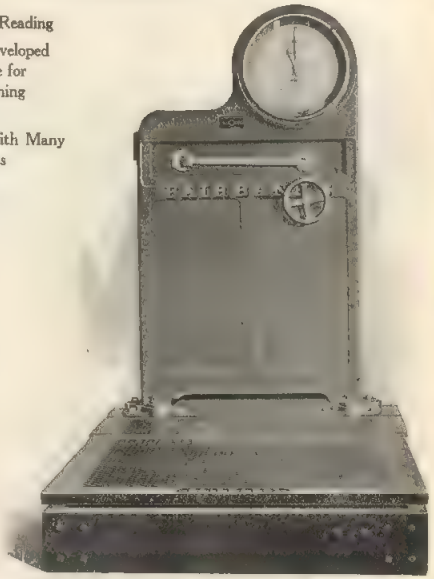
Fairbanks Full Capacity Dial

Full Capacity—Direct Reading

The Most Highly Developed Machine of its Type for Modern Quick Weighing Service

A Simple Construction with Many Exclusive Features

The Fairbanks Dial Scale is regularly made in two sizes, listed below, one for use with heavy duty scales, as required for freight and baggage service, and the other for regular warehouse duty as ordinarily found in business establishments. On account of its unique principle of obtaining full capacity on the dial, the scale may readily be made of any required capacity, upon order with dial and tare beam graduations to suit. The dial may be furnished with double face to be read from either side and an extended beam may be provided with bottle weight to increase the total scale capacity. The dial itself may be applied to any existing platform scale now in good working order



FAIRBANKS DIAL SCALE

No.	Capacity	Dial	Tare Beam	Dial Size
10742	2 000 x 1 lbs.	200 x 1 lbs.	200 x 1 lbs	15 in.
10743	10 000 x 5 lbs.	1,000 x 5 lbs.	1,000 x 5 lbs.	15 in.
10762	4 000 x 2 lbs.	400 x 2 lbs.	400 x 2 lbs.	15 in.
10764	20,000 x 10 lbs.	2,000 x 10 lbs.	2,000 x 10 lbs.	15 in.
10765	40,000 x 20 lbs.	4,000 x 20 lbs.	4,000 x 20 lbs.	15 in.
10791	5,000 x 1 lbs.	500 x 1 lbs.	500 x 1 lbs.	20 in.

While any of the self-contained warehouse scales or built-in scales shown and listed in this catalogue, are adapted for the Fairbanks Dial Scale, those listed below are especially recommended for general service

SELF-CONTAINED SUSPENDED PLATFORM SCALES WITH SPIDER AND REMOVABLE PLATFORM (See page 26)

No.	Capacity	Platform
10694	5,000 lbs.	48" x 40"
10695	3,500 lbs.	42" x 44"
10696	2,500 lbs.	47" x 37"

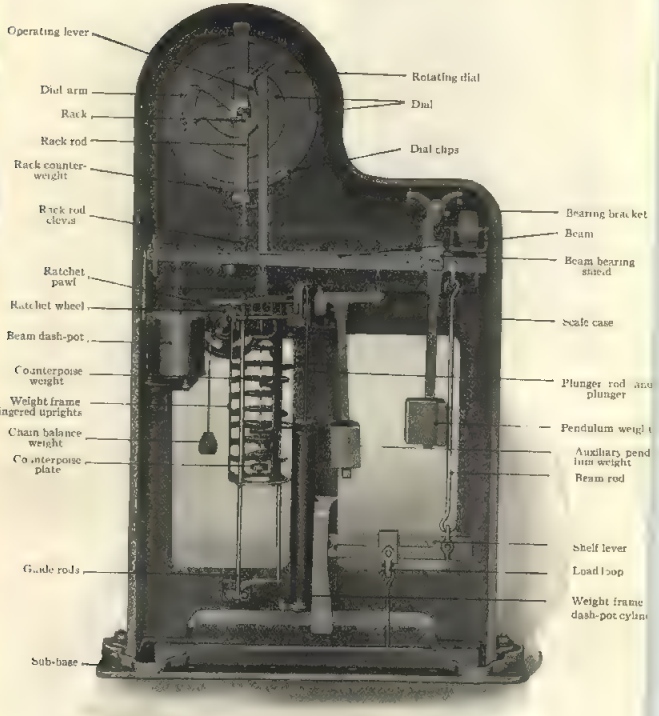
Heavy Duty Built-in Suspended Platform Scales (See Page 32)

No.	Capacity	Platform
2153	4 tons	6' x 4' 8"
2175	6 tons	6' x 4' 8"
2179	10 tons	6' x 4' 8"

Built-in Suspended Platform Scales (See Pages 31 and 32)

No.	Capacity	Platform
2278	3 tons	9' x 4' 6"
10099	4 tons	6' x 4'
10100	4 or 5 tons	8' x 6'
10101	4 or 5 tons	9' x 7'

Fairbanks Full Capacity Dial



Fairbanks Full Capacity Dial

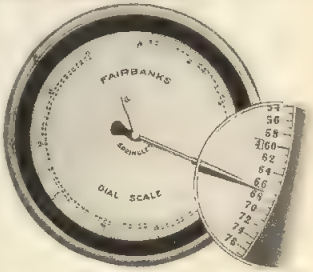
The Most Highly Developed Machine of Its Type for Modern Quick Weighing Service

A Simple Construction With Many Exclusive Features

The Fairbanks Dial Scale follows in general the same principles that years of weighing experience have proven successful in the Fairbanks beam scale. It is in reality but a refinement of this well-known machine, the weights being read directly from a dial instead of from a beam. The construction is remarkably simple, using no springs nor tapes in any way, no complicated or delicate parts. A distinctive feature of this scale is the full capacity direct reading dial which makes unnecessary any additions or calculations of any kind in the reading of the correct weight

The standard primary dial for all capacities is 15 inches in diameter with 200 graduations approximately ½ inch apart. Supplementing the graduated dial is the weight frame, and counterpoise, carrying nine weights each of which has the same value as the initial dial capacity, so that the total capacity of the indicator is ten times the capacity of the primary dial. Connected to the weight frame is a supplementary rotating dial arranged in such manner that when the weight frame descends, the rotating dial makes a proportionate part of a revolution. Through openings in the primary dial, the correct figures are then shown, to indicate the amount of weight deposited upon the counterpoise, which must be balanced upon the platform before the hand begins to travel around the dial.

When a load exceeding the initial dial capacity is placed upon the platform, the hand travels beyond the last graduation and comes to rest in the blank space, that position of the hand indicating to the operator the necessity for depositing one or more weights upon the counterpoise by pressing the button in the front of the case. The weight frame is entirely separate from and does not interfere with the weighing mechanism at any time. The pressing of the button merely releases a ratchet pawl permitting the frame with its weights to descend by gravity as far as necessary to deposit weights upon the counterpoise until the hand begins to move out of the blank space. As soon as this is done, pressure on the bottom is released and the hand comes to rest at the figure, showing the true weight of the load upon the platform.



Fairbanks Full Capacity Dial. 2 000 lbs capacity with dial position to 6 000 lbs by 1 lb. Note magnified portion indicating clearly a direct reading of 467 lbs.

AUTOMOBILE WRENCHES

FRANK MOSSBERG CO.

SALESMAN BOARD SETS

Wrenches made of ½ inch chrome manganese steel, burnished nickel finish. Board made of selected chestnut, nautral finish with three coats of varnish, easel back; size 20 x 66 inches. The board is arranged so that each pair of hooks holds two wrenches and quantities of size in proportion to the demand for each size.

Set consists of 80 wrenches 22 types as follows.

3 only No. 361.
3 only No. 608.
5 only No. 611.
3 only No. 612.
3 only No. 613.
3 only No. 622.
5 only No. 623.
2 only No. 624.
5 only No. 625.
6 only No. 627.
5 only No. 630.
3 only No. 634.
4 only No. 645.
3 only No. 656.
2 only No. 658.
5 only No. 646.
5 only No. 650.
3 only No. 652.
3 only No. 654.
4 only No. 677.
2 only No. 679.
4 only No. 2337.

Per Set

No. A-600 (Old No. A-600C)—Complete as described above 132 00

One set in wood box, wt per set 120 lbs *$67 00*

AUTOMOBILE WRENCHES

FRANK MOSSBERG CO.

SALESMAN BOARD SETS

Wrenches made of ½ inch chrome manganese steel, burnished nickel finish. Board made of selected chestnut, natural finish, with three coats of varnish; easel back; size 20 x 66 inches. The board is arranged so that each pair of hooks holds two wrenches and quantities of size in proportion to the demand for each size.

Set consists of 108 wrenches, 10 sizes in each of 3 types.

Offset Wrench	12 In. Tee Wrench.	Speed Brace Wrench.
2 only No. 2129.	2 only No. 2329.	
4 only No. 2133.	5 only No. 2333.	
6 only No. 2137.	8 only No. 2337.	
2 only No. 2139.	3 only No. 2339.	
5 only No. 2141.	6 only No. 2341.	
3 only No. 2145.	3 only No. 2345.	
2 only No. 2149.	3 only No. 2349.	
2 only No. 2151.	2 only No. 2351.	
2 only No. 2153.	2 only No. 2353.	
2 only No. 2157.	2 only No. 2357.	
5 only No. 2129		
6 only No. 2133		
9 only No. 2137.		
3 only No. 2139.		
7 only No. 2141.		
4 only No. 2145.		
4 only No. 2149.		
2 only No. 2151.		
2 only No. 2153.		
2 only No. 2157.		

Per Set

No. A-2510—Complete as described above..... 150 00

One set in wood case; wt per set about 110 lbs. *$77 40*

SALESMAN BOARD SETS FOR CHEVROLET CARS

Wrenches made of ½ inch manganese steel, burnished nickel finish. Selected chestnut board natural finish with three coats of varnish; easel back, size 20x66 inches. The board is so arranged that each pair of hooks holds two wrenches and quantities of size in proportion to the demand of each size.

Set consists of 65 wrenches 16 types as follows:

4—No. 363, ½ inch hexagon head demountable rim lug wrenches.
4—No. 630, ½ and ⅝ inch hexagon head service wrenches.
8—No. 662, wheel pullers.
3—No. 677, 9/16 and ¾ inch hexagon head double end utility wrenches.
3—No. 679, 11/16, ½ and 13/16 inch triple end utility wrenches.
6—No. 1902, ¾, ⅞, 15/16 and 1 inch hexagon head four way wrenches.
3—No. 2333, ½ inch hexagon head 12 inch Tee wrenches.
3—No. 2337, 9/16 inch hexagon head 12 inch Tee wrenches.
3—No. 2433, ½ inch hexagon head speed brace wrenches.
6—No. 3337, 9/16 inch hexagon head swivel joint wrenches.
6—No. 3001, ½ and 9/16 inch hexagon head service wrenches.
3—No. 3006, 7/16 and ½ inch hexagon head running board bolt wrenches.
3—No. 3007, ¾ and ⅞ inch hexagon head transmission support bolt wrenches.
6—No. 3008, ¾ and 7/8 inch hexagon head main bearing and cylinder head cap screw wrenches.
3—No. 3009, 9/16 and ⅝ inch square head radiator bolt nut wrenches.
6—No. 3010, 7/8 inch open head oil pump pack nut wrenches.

Each

No. A-3000—Complete as above described..... +132 00

One in wood box; wt each 182 lbs. *$69 00*

+F. O. B. Massachusetts Factory Only.

AUTOMOBILE WRENCHES

FRANK MOSSBERG CO.

SALESMAN BOARD SETS FOR DODGE CARS

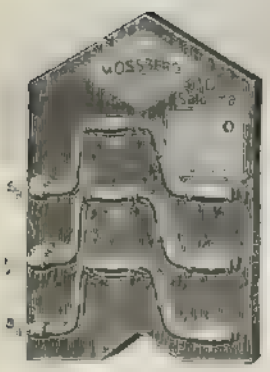
Wrenches are made of ⅛ inch chrome maganese steel, burnished nickel finish. Selected chestnut board, natural finish with three coats of varnish; easel back, size 20x66 inches. The board is so arranged so that each pair of hooks holds two wrenches and quantities of size in proportion to the demand of each size.

Set consists of 62 wrenches 15 types as follows:

4—No. 17F, 7/16 and ½ inch hexagon heads.
5—No. 3o1, 5/8 inch hexagon head.
4—No. 677, 9/16 and ¾ inch hexagon heads.
5—1902, ¾, 7/8, 15/16 and 1 inch hexagon heads.
3—No. 1912, ⅜, 11/32, 1 1/16, and 1 ¼ inch hexagon heads.
3—No. 2337, 9/16 inch hexagon head.
3—No. 2357, ⅜ inch hexagon head.
5—No. 2433, ½ inch hexagon head.
3—No. 2841, ⅝ inch hexagon head.
6—No. 3104, 11/32 inch hexagon head.
5—No. 3105, ¾ and ⅞ inch hexagon head.
3—No. 3106, ½ and 9/16 inch hexagon head.
3—No. 3107, 5/32 inch hexagon head.
5—No. 3303, 9/16 and ¾ inch hexagon heads.
5—No. 2833, ½ inch hexagon head.

		Each
No. A-3100—Complete as above described	✦141 00	$74 00

One in wood box, wt each 190 lbs.



SALESMAN BOARD SETS

Brace, for Demountable Rims.

Made of best grade ½ inch chrome manganese steel bar and deep sockets, burnished nickel finish. End and center swivel-grip steel handles. Length 14 inches; throw 5½ inches. Selected chestnut display board, natural grain with three coats varnish; height over all 19 inches, width 15 inches.

Set consists of 24 wrenches as follows:

12 only No. 361—Fitting size ⅝ in.
4 only No. 362—Fitting size 11/16 in
8 only No. 363—Fitting size ¾ in.

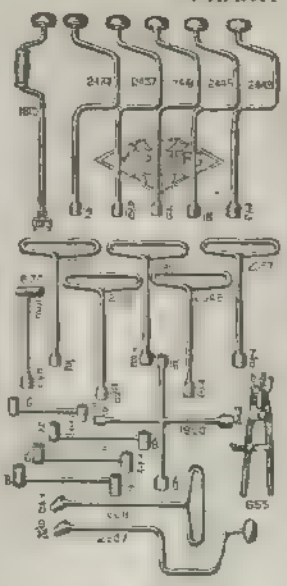
		Per Set
No. A-D—Complete as described above	✦51 00	$26 40

One set in wood case; wt per set 40 lbs.

✦F. O. B. Massachusetts Factory Only.

AUTOMOBILE WRENCHES

FRANK MOSSBERG CO.



General Garage Set.

Made of best grade ½ inch chrome manganese steel bar and deep sockets, burnished nickel finish; valve lifter made of high carbon steel.

Set consists of 1 each as follows: Nos. 2433, 2437, 2441, 2445 and 2449 Speed brace wrenches; Nos. 2333, 2337, 2341, 2349 and 2357 twelve inch Tee handle wrenches; No. 610 Universal valve grinder; No. 655 Universal valve lifter. No. 628 Fourth connecting rod wrench, Swivel-joint type; No. 630 Cylinder head cap screw and rear axle housing nut wrench; No. 1950 "Four-size" demountable rim wrench; No. 2937 "Swivel-joint" speeder, fits ⅝ inch S. A. E. nuts and screw heads.

		Per Set
No. A-2000—Complete as described above	✦42 00	$21 48

One set in wood case; wt per set 54 lbs.

GARAGE SETS

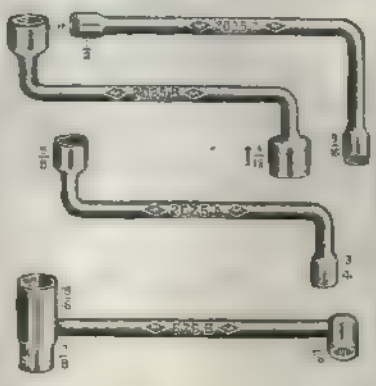
Bar steel; satin nickel finish

For Ford Cars.

Especially designed for Ford cars; size of sockets, ½, 9/16, 5/8, 11/16, ¾, ⅞ and 15/16.

No.	**A-676**
Per Set	7 50
	$3 90

One set in cardboard box; wt per set 6¼ lbs.



For Overland Cars. Model No. 4.

Especially designed for use on model 4 Overland cars; socket size 7/16, ½, 9/16, 5/8, 11/16, ¾ and ⅞ inch; average length of wrenches 10½ inches.

No.	**A-2025**
Per Set	7 20
	$3 70

One set in cardboard box; wt per set 5½ lbs.

✦F. O. B. Massachusetts Factory Only.

AUTOMOBILE WRENCH SETS

MOSSBERG, SOCKET WRENCHES

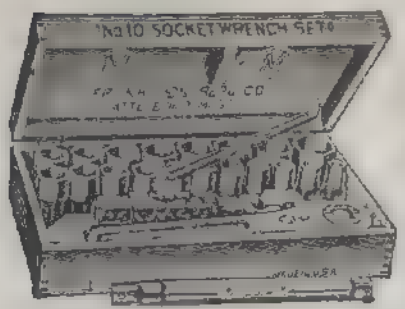
A compact set of wonderfully applicable wrenches for Ford cars, and is guaranteed to save the pleasure of many a trip where quick adjustments would otherwise be impossible. Especially adapted to Ford Automobiles.

Set consists of 1 ratchet socket wrench No. 355; 1 tubular extension bar; 1 universal joint; 1 double end offset screw driver; 1 spark plug socket, 21/32 in.; 1 special oval socket, 15/32 in.; 8 hexagon pressed steel sockets, sizes 15/32, 19/32, 21/32, 23/32, 25/32, 29/32 and 31/32 in.; 1 square socket, 13/32 inch.

Per Set

No. A-30M—Complete as described above 11 25
$5 75

One set in leather board case; wt per set 8½ lbs.



An efficient owner's set and for use in automobile repair and garage equipment.

Set consists of 1 ratchet handle No. 355; 1 extension bar; 1 universal joint; double end screw driver; 21 hexagon pressed steel sockets, sizes 15/32, [illegible] 1 1/32, 1 3/32, 1 5/32, 1 7/32 in., 2 spark plug sockets, sizes 29/32 and 1 5/32 inches.

Per Set

No. A-10—Complete as described above 18 75
$9 75

One set in wood case; wt per set 7½ lbs.

This set is arranged to contain all important hexagon sockets, including spark plug socket, extension bar and the No. 355 ratchet handle.

Set consists of one ratchet socket wrench handle; extension tube, 9 3/8 inches long, 15 hexagon hardened, pressed steel sockets, sizes 13/32, 15/32, 17/32, 19/32, 5/8, 21/32, 23/32, 25/32, 27/32, 29/32, 15/16, 31/32, 1, 1 1/32 and 1 3/32 inches; one 29/32 inch hexagon spark plug socket 3 11/16 inches long.

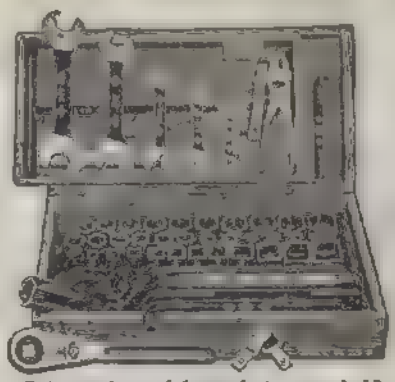
Per Set

No. A-13—Complete as described above 11 25
$5 75

One set in wood box, wt per set 5 lbs.

AUTOMOBILE WRENCH SETS

FRANK MOSSBERG CO., SOCKET WRENCHES



Largest and most complete socket wrench set marketed.

On account of the cleverness of the No. 350 Handle and its application—and the full equipment of this set—the No. A-14S set is Mossberg Company's recommendation for all cases where quick work is desired. Every tool is included that is required for work by machinists, automobile repairmen and marine engineers.

Set consists of 1 ratchet wrench No. 350 and extension bar; 1 handle No. 330; 1 offset socket wrench No. 320, 1 double end wrench set with 10 different openings; 1 pair slip joint pliers, 1 universal joint, 3 spark plug sockets, sizes 29/32, 21/32 and 1 3/32 in.; 1 screw driver; 1 cotter pin extractor No. 3; 28 pressed steel hexagon sockets, sizes [illegible] 1 3/32, 1 5/32, 1 7/32, 1 9/32, 1 11/32, 1 13/32, 1 15/32, 1 17/32, 1 19/32, 1 21/32, 1 23/32, 1 25/32, 1 27/32, 1 29/32, 1 31/32, 2, 2 1/32, 2 3/32, 2 5/32, 2 7/32, 2 9/32, 2 11/32, 2 13/32, 2 15/32, 2 17/32, 2 19/32, 2 21/32, 2 23/32, 2 25/32, 2 27/32, 2 29/32, 2 31/32, 3, 3 1/32, 3 3/32, 3 5/32, 3 7/32, 3 9/32, 3 11/32, 3 13/32, 3 15/32, 3 17/32, 3 19/32, 3 21/32, 3 23/32, 3 25/32, 3 27/32, 3 29/32, 3 31/32, 4, 4 1/32, 4 3/32, 4 5/32, 4 7/32, 4 9/32, 4 11/32, 4 13/32, 4 15/32, 4 17/32, 4 19/32, 4 21/32, 4 23/32, 4 25/32, 4 27/32, 4 29/32, 4 31/32, 5, 5 1/32, 5 3/32, 5 5/32, 5 7/32, 5 9/32, 5 11/32, 5 13/32, 5 15/32, 5 17/32, 5 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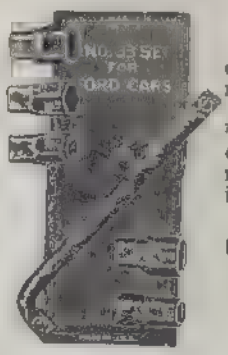
Per Set

No. A-14S—Complete as described above 33 75
One set in wood case; wt per set 15¾ lbs. *$17 00*



For Ford Cars.

Set consists of five sizes of sockets and double end offset handle, packed in a neat enamel duck case.

Size sockets, hexagon: 7/16 in tapered, 29/32 inch tapered, 21/32 inch (cylinder head cap screws), 31/32 inch, and one oval for main bearing bolts; length handle 7½ inches. Size case when folded 9x3 ins.

Per Set

No. A-33—Complete as described above 2 70
$1 35

One set in enamel duck case; wt per doz sets 13½ lbs.

GARAGE SETS

Steel, full finished; one opening of each wrench fits U.S. standard bolts and the other opening of the same wrench fits the S. A. E. cap screw of same dimension.

Fits all U. S. and S. A. E. sizes from ¼ to ¾ in. Set consists of 9 wrenches as follows:

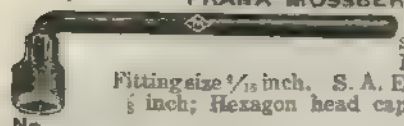
1—No. 220 with 5/16 & 3/8 in. openings, 4 ins long.
1—No. 232 with 7/16 & 1/2 in. openings, 4¾ ins long.
1—No. 234 with 9/32 & 1/2 in. openings, 4¾ ins long.
1—No. 244 with 9/16 & 5/8 in. openings, 5¾ ins long.
1—No. 254 with 3/4 & 5/8 in. openings, 6⅞ ins long.
1—No. 267 with 7/8 & 3/4 in. openings, 8 ins long.
1—No. 274 with 1 1/32 & 7/8 in. openings, 8¾ ins long.
1—No. 278 with 1 1/16 & 15/16 in. openings, 8¾ ins long.
1—No. 293 with 1¼ & 1 1/16 in. openings, 11 ins long.

Complete as described above. Per Set

No. A-46S—Complete as described above $6 75
One set in wood box; wt per set 6 lbs.

AUTOMOBILE WRENCHES

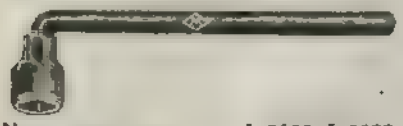
FRANK MOSSBERG CO.



Made of ½ inch bar steel; satin nickel finish. Length over all 7¼ inches.

Fitting size ⅝ inch. S. A. E. standard nuts and bolts ⅝ inch; Hexagon head cap screws ⅝ inch.

No.	A-625
1 to 10, Each	1 08
10 or more, Each	98
Half doz in cardboard box; wt each ⅝ lbs.	*$0 54*



Made of ½ inch bar steel; satin nickel finish. Length over all 10 inches.

Nos.	A-2129	A-2133	A-2137	A-2139	A-2141
Wt each, lbs	⅝	⅝	⅝	⅝	⅝
Fitting size, in	7/16	½	9/16	19/32	⅝
U. S. Std nuts and bolts, in		¼	--	5/16	
S. A. E. Std nuts and bolts, in	¼	5/16	⅜		7/16
Hex. head cap screws, in	¼	5/16	⅜		7/16
1 to 10, Each	1 08	1 08	1 08	+1 08	1 08
10 or more, Each	98	98	98	+ 98	98
List Price, Each	*$0 54*	*54*	*54*	*54*	*54*
Nos.	**A-2145**	**A-2149**	**A-2151**	**A-2153**	**A-2157**
Wt each, lbs	⅝	⅝	⅝	⅝	⅝
Fitting size, in	1/2	⅝	25/32	13/16	⅞
U. S. Std nuts and bolts, in	⅜	---	7/16	-----	½
S. A. E. Std nuts and bolts, in	---	½	---	-----	9/16
Hex. head cap screws, in	-----	½	-----	9/16	⅝
1 to 10, Each	1 08	1 08	1 08	1 08	1 08
10 or more, Each	98	98	98	98	98
List Price, Each	*$0 54*	*54*	*54*	*54*	*54*

Half doz in cardboard box.

T Handle.

Made of ½ inch bar steel; nickel burnished finish. Length over all 12 inches.

Nos.	A-2329	A-2333	A-2337	A-2339	A-2341
Wt each, lbs	1¾	1¾	1¾	1¾	1¾
Fitting size, in	7/16	½	9/16	19/32	⅝
U. S. Std nuts and bolts, in		¼	-	5/16	---
S. A. E. Std nuts and bolts, in	¼	5/16	⅜	--	7/16
Hex. head cap screws, in	¼	5/16	⅜	-----	7/16
1 to 10, Each	1 32	1 32	1 32	1 32	1 32
10 or more, Each	1 17	1 17	1 17	1 17	1 17
List Price, Each	*$0 65*	*65*	*65*	*65*	*65*
Nos.	**A-2345**	**A-2349**	**A-2351**	**A-2353**	**A-2357**
Wt each, lbs	1¾	1¾	1¾	1¾	1¾
Fitting size, in	11/16	¾	25/32	13/16	⅞
U. S. Std nuts and bolts, in	⅜	-	7/16	-	½
S. A. E. Std nuts and bolts, in	-----	½	---	---	---
Hex. head cap screws, in	---	1	---	1 1/16	1 1/8
1 to 10, Each	1 32	1 32	1 32	1 32	1 32
10 or more, Each	1 17	1 17	1 17	1 17	1 17
List Price, Each	*$0 65*	*65*	*65*	*65*	*65*

Half doz in cardboard box.

+F. O. B. Massachusetts Factory Only.

AUTOMOBILE WRENCHES

FRANK MOSSBERG CO.

Speed Brace.

Made of ½ inch bar steel satin nickel finish. Length over all 1¾ inches.

Nos.	A-2429	A-2433	A-2437	A-2439	A-2441
Wt each, lbs	2	2	2	2	2
Fitting size, in	7/16	½	9/16	⅝	⅝
U. S. Std nuts and bolts, in	-----	¼	-----	5/16	-----
S. A. E. Std nuts and bolts, in	¼	5/16	⅜	-----	7/16
Hex. head cap screws, in	¼	5/16	⅜	-----	7/16
1 to 10, Each	1 80	1 80	1 80	1 80	1 80
10 or more, Each	1 62	1 62	1 62	1 62	1 62
List Price, Each	*$0 90*	*90*	*90*	*90*	*90*
Nos.	**A-2445**	**A-2449**	**A-2451**	**A-2453**	**A-2457**
Wt each, lbs	2	2	2	2	2
Fitting size, in	11/16	¾	25/32	13/16	⅞
U. S. Std nuts and bolts, in	⅜	--	7/16	---	½
S. A. E. Std nuts and bolts, in		½	- -	-	9/16
Hex. head cap screws, in		½	-----	9/16	⅝
1 to 10, Each	1 80	1 80	1 80	1 80	1 80
10 or more, Each	1 62	1 62	1 62	1 62	1 62
List Price, Each	*$0 90*	*90*	*90*	*90*	*90*

Half doz in cardboard box.

UNIVERSAL JOINT ASSEMBLY

For Ford Cars.

5/32 in. heavy steel, burnished nickel finish; 15/32 in slot; length 8 ins. Fits male universal joint knuckle.

No.	A-652
1 to 10, Each	81
10 or more, Each	72
List Price, Each	*$0 40*

Half doz in cardboard box; wt each ½ lb

SPRING PERCH NUT

For Ford Cars.

11/16 in. steel bar, burnished nickel finish; double end hexagon sockets, openings 11/16 and 1 in; length 10¼ ins. Fits front spring perch and rear hub nut, can also be used in shock absorber adjustment.

No.	A-634
1 to 10, Each	2 52
10 or more, Each	2 25
List Price, Each	*$1 25*

Half doz in cardboard; wt each 1 1/2 lbs

Made of chrome manganese steel, satin nickel finish.

Length over all 10½ inches; size openings ¾, ⅞, 15/16 and 1 inch.

No.	A-1902
1 to 10, Each	4 02
10 more, Each	3 60
List Price, Each	*$2 00*

Half doz in cardboard box; wt each 2½ lbs

AUTOMOBILE WRENCHES

FRANK MOSSBERG CO.

CARBURETOR BOLTS AND GENERATOR SCREWS

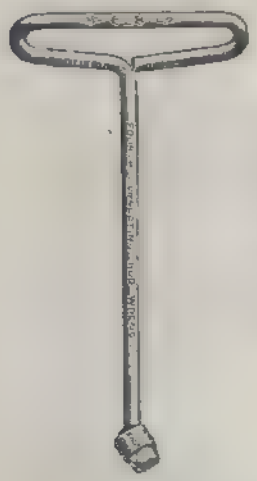
For Ford Cars.

⅜ in. steel bar, burnished nickel finish; double end hexagon sockets, openings ⅝ and 11/16 ins; length 10¼ ins. ⅝ in. socket adaptable for cylinder front cover cap screws, head cap screws, head outlet connecting screw and drive shaft roller bearing screws 9/16 in. socket adaptable for ball socket bolt and nut, carburetor flange bolt and nut, connecting rod cap bolt and nut, crank case cap screws, muffler head to frame bolt and nut, radius rod ball cap stud nut, rear spring tie bolt and nut, steering post bracket, bolt nut and steering yoke clamp bolt.

No.	A-627
1 to 10, Each	1 80
10 or more, Each	1 62
List Price, Each	$0 90

Half doz in cardboard box; wt each ¼ lb

FOURTH CONNECTING ROD, LONG SHANK TEE HANDLE



For Ford Cars.

⅜ in. heavy steel bar, burnished nickel finish; ⅝ in. hexagon opening; length 14½ ins. Fits cylinder inlet connecting screws, rear crank shaft bearing bolt, cylinder head cap screws assembly.

No.	A-628
1 to 10, Each	3 51
10 or more, Each	3 15
List Price, Each	$1 75

Half doz in cardboard box; wt each 1⅔ lbs.

RADIATOR AND FENDER

For Ford Cars.

½ in. heavy steel bar, burnished nickel finish; 9/16 in. hexagon opening; length 29 ins. Adapted for fan adjusting screw, front fender iron bolt nut, inlet and exhaust clamp stud nut and radiator stud nut.

No.	A-615
1 to 10, Each	2 31
10 or more, Each	1 80
List Price, Each	$1 15

Half doz in cardboard box, wt each 2¼ lbs.

AUTOMOBILE WRENCHES

FRANK MOSSBERG CO.

RATCHET, MAIN BEARING BOLT

For Ford Car.

½ in. round steel bar, burnished nickel finish; 9/16 in. square opening; length 10½ ins. Quick action for main bearing front and center bolt heads.

No.	A-620
1 to 10, Each	5 01
10 or more, Each	4 50
List Price, Each	$2 50

Half doz in cardboard box; wt each 1½ lbs.

SPEED BRACE

For Ford Cars.

Made ½ inch bar steel; satin nickel finish. Very desirable for making repairs on Ford cars.

Nos.	A-611	A-612	A-613
Sq hd, openings in	13/32	21/32	⅝
Length over all, ins	13½	14½	14¼
Wt each, lbs	⅝	⅝	¾
1 to 10, Each	1 80	1 80	1 71
10 or more, Each	1 62	1 62	1 53
List Price, Each	$0 90	90	85

Half doz in cardboard box.

Brace, for Demountable Rims.

One peice construction; ⅛ inch chrome magnese steel bar, burnished nickel finish; end and center swivel grig steel handles. Length over all 14 inches.

Nos.	A-361	A-362	A-363
Size hex. sockets, in	11/32	23/32	25/32
Wt each, lbs	1	1⅛	1⅓
1 to 10, Each	2 19	2 19	2 19
10 or more, Each	1 98	1 98	1 98
List Price, Each	$1 10	1 10	1 10

Nos.	A-364	A-365
Size hex. sockets, in	27/32	29/32
Wt each, lbs	1⅔	1⅔
1 to 10, Each	2 19	2 22
10 or more, Each	1 98	1 98
List Price, Each	$1 10	1 10

Packed six in cardboard box.

Demountable Rim.

All heavy steel, burnished nickel finish; four sizes of sockets as follows; ⅝ inch hexagon for Kelsey, Hays and Jackson rims; 11/16 in., hexagon for Firestone and Goodrich rims; ¾ in. for Baker, Detroit, Firestone, Hays, Jackson, Mott, Perlman and Stanweld rims; 13/16 inch for Stanweld and United rims. Length over all 12½ ins.; width 12½ inches.

No.	A-1950
1 to 10, Each	4 05
10 or more, Each	3 39
List Price, Each	$2 25

6 in carton; wt each 1½ lbs.

AUTOMOBILE WRENCHES

FRANK MOSSBERG CO.

For use on Ford Cars.

Made of the best grade bar steel; satin nickel finish. Double end offset sockets, will fit many parts on a Ford car.

No.	A-677
Length over all, ins.	9
Wt each, lbs	1½
1 to 10, Each	1 71
10 or more, Each	1 53
List Price, Each	$0 85

Half doz in cardboard box.

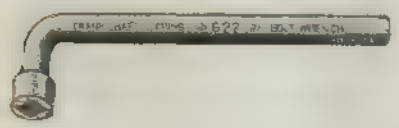
For use on Ford Spindle Connecting Rod Bolt Nuts, Spindle Arm Nut and Rear Hub Lock Nut.

⅝ inch bar steel, burnished black finish. 3 specially drawn sockets sizes 11/16, ⅞ and 15/16 inches; length over all 10¾ inches.

No.	A-679
1 to 10, Each	2 49
10 or more, Each	2 25
List Price, Each	$3 00

Half doz in cardboard box; wt each 1½ lbs.

Crank shaft bearing bolt wrench.

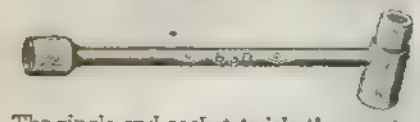


Made of best grade bar steel; satin nickel finish. ¾ inch steel handle with heavy duty size 19/32 inch, square socket.

No.	A-622
1 to 10, Each	2 19
10 or more, Each	1 98
List Price, Each	$2 10

Half doz in cardboard box, wt each 1 1/3 lbs

Cylinder Head Wrench, For Ford Cars.



The large socket on the double end gives high powered leverage to start or tighten cylinder head nuts. The single-end socket twirls these nuts rapidly after they are loosened. The small socket on the double-end is tapered to fit nuts on rear axle housing; thoroughly hardened; satin nickel finish.

Length over all 9¾ in.; size sockets double-end ½ and 5/8 in.; size socket single end ⅝ inch.

No.	A-630
1 to 10, Each	1 47
10 or more, Each	1 32
List Price, Each	$0 73

One in cardboard box; wt per doz 9 lbs.

For use on Ford Cars. Made of best grade bar steel; satin nickel finish. The No. 638 fits connecting rod clamp screw and the No. 636 fits fly wheel cap screw.

Nos.	A-636	A-638
Size opening, in	5/8	17/64
Length over all, ins.	8	9¼
Wt each, lbs	½	¾
1 to 10, Each	2 49	2 49
10 or more, Each	2 25	2 25
List Price, Each	$1 25	1 25

Half doz in cardboard box.

AUTOMOBILE WRENCHES

FRANK MOSSBERG CO.

CONNECTING ROD WRENCH, For Ford Cars.

After removing the pan under the engine of a Ford, the three front connecting rods are fairly easy to adjust, but the fourth is back from the opening and a special wrench is necessary to adjust. This wrench is designed to meet these conditions and its use will many times obviate the necessity of taking down the engine. Thoroughly hardened; satin nickel finish.

Length over all 13 ins.; size socket ⅝ inch.

No.	A-623
1 to 10, Each	1 17
10 or more, Each	1 05
List Price, Each	$0 58

One in an envelope; wt per doz 8 lbs.

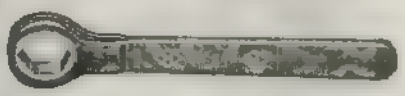
CONNECTING ROD WRENCH

Reversible ratchet socket wrench for connecting rods. ⅝ inch opening for use on other 7/16 inch screws; length 10 inches.

No.	A-624
1 to 10, Each	5 01
10 or more, Each	4 50
List Price, Each	$2 50

One in an envelope; wt per doz 12 lbs.

RATCHET WRENCH



Ratchet wrench for reverse and brake pedal tension springs, satin nickel finish; length 6½ inches, opening 21/32 inch.

No.	A-645
1 to 10, Each	1 02
10 or more, Each	90
List Price, Each	$0 50

One in cardboard box; wt per doz 3 lbs.

HUB CAP, For Ford Cars.

For putting on and removing hub caps on Ford Cars.

Length 8½ inches; width 2½ inches.

No.	A-650
1 to 10, Each	42
10 or more, Each	36
List Price, Each	$0 20

Packed loose; wt per doz 6 lbs.

SPARK PLUG AND CYLINDER HEAD WRENCH

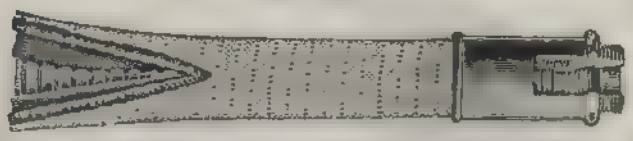
Double end spark plug and cylinder head screw wrench; length 10 inches; flat opening 15/16 inch; socket measures ⅝ inches accurately fits cylinder head cap screws and all 7/16 inch bolts.

No.	A-635
1 to 10, Each	1 50
10 or more, Each	1 35
List Price, Each	$0 75

One in carton; wt per doz 12 lbs.

GASOLINE HOSE

WESTERN



Especially constructed for handling gasoline. Made with flexible steel lining over which is molded a rubber compound, this in turn is covered with a tightly woven cotton jacket, making an ideal leak proof hose. Furnished in 8, 10, 12 and 15 foot lengths.

¼ Inch In Diameter, Complete With Coupings.

Nos.	A-74-8	A-74-10
Length, ft	8	10
Wt each, lbs	6	8
Each	$18 90	23 55

1 Inch In Diameter, Complete With Couplings.

Nos.	A-75-8	A-75-10	A-75-12	A-75-15
Length, ft	8	10	12	15
Wt each, lbs	9	11	13	15
Each	✚$23 55	✚29 70	✚35 10	✚44 10

Packed loose.

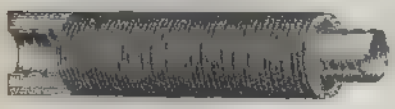
COUPLINGS

For Gasoline Hose.

Nos.	A-80C	A-81C	A-82C
Diam, in	¾	1	1¼
Wt per set, lbs	1	1½	2
Per Set	✚$4 65	✚6 00	✚9 00

One set in cardboard box.

MECHANICAL RUBBER CO.



Galvanized steel link inner tube; bound with ½ inch rubber tubing, reinforced with heavy braided cotton fibre covering; equipped with brass coupling to attach.

Nos.	Length 8 Feet A-8HGH	A-9HGH	Length 10 Feet A-10HGH	A-11HGH
Diam, ins	¾	1	¾	1
Wt each, lbs	6	9	8½	12
Each	$12 90	15 45	15 00	18 45

Packed loose.

Flexible metallic inner tube, covered with a heavy thickness of rubber and braided cotton.

¾ Inch Diameter.	Per Ft
No. A-1GH-10—10 ft lengths; wt about 8 lbs	$1 11
No. A-1GH-15—15 ft lengths; wt about 12 lbs	1 11
No. A-1GH-25—25 ft lengths; wt about 20 lbs	✚ 1 11
No. A-1GH-50—50 ft lengths; wt about 40 lbs	✚ 1 11

Packed loose.

Note—Can not cut lengths on any of above hose.

FILLING NOZZLES

Made entirely of brass, leakproof, as top is enclosed, requires but a three quarter turn to open or close. A 6-inch removable extension at bottom fitted with fine brass cone shaped removable strainer.

	Each
No. A-FN-¾—¾ inch	$13 80
No. A-FN-1—1 inch	✚ 16 50
No. A-FN-1¼—1¼ inch	✚ 19 20

Packed loose; wt each 3 lbs.

✚Western Hose, Couplings and Nozzles—F. O. B. Missouri Factory Only.
✚Nos. A-1GH-25 and A-1GH-50—F. O. B. Pennsylvania Factory Only.

GASOLINE OUTFITS

WESTERN VISIBLE DISPENSING UNIT

Visible Glass Cylinder, made of heavy flint glass; can be furnished with either 5 gal., 10 gal. or 15 gal container, the figures being in bright red with indicating arrows in black outlined in red. Inside the container are the fill, overflow and return pipes, all 1¼ inch. All pipes and casting inside container are finished in a pure white gasoline resisting paint.

Cabinet—The cabinet or pump housing is built of sheet steel, made in two parts making it a simple matter to take down should this be necessary. A swing door fitted with brass padlock allows access to parts. Door is fitted with slotted opening to receive discharge end of hose which is locked inside of pump.

Hose and Filling Nozzle—10 foot of 1¼ inch metal hose, rubber and cotton covered, having adjustable brass couplings.

Shut Off Cock—The shut-off cock is located at outlet point of pump.

Electric Lamp—12 inch canteen shaped, semi-indestructible globe, the word Gasoline being etched into the glass. One socket is located on top of pump for light globe and two on sides of glass container, all sockets are made of weather-proof fibre.

Finish—Cabinet is finished in bright vermillion and black, treated with a finishing coat of highest grade of clear spar varnish.

Dimensions of Pumps—Height 10 feet 4 inches, base casting 20 inches square, shipping weight 475 pounds.

With 12 Gauge Tanks.

Nos.	Capacity Bbls	Gals	Wt Lbs	Each
A-13512-2	2	120	700	✚ $855 00
A-13512-3	3	170	760	✚ 900 00
A-13512-4	4	220	820	✚ 945 00
A-13512-5	5	280	860	✚ 990 00
A-13512-7	7	390	980	✚ 1080 00
A-13512-9	9	500	1100	✚ 1170 00
A-13512-10	10	550	1160	✚ 1260 00
A-13512-15	15	800	1280	✚ 1350 00
A-13512-18	18	1000	1380	✚ 1440 00
A-13512-20	20	1100	1450	✚ 1515 00

With 14 Gauge Tanks.

Nos.	Capacity Bbls	Gals	Wt Lbs	Each
A-13514-2	2	120	640	✚ $825 00
A-13514-3	3	170	690	✚ 858 00
A-13514-4	4	220	750	✚ 900 00
A-13514-5	5	280	800	✚ 930 00
A-13514-7	7	390	900	✚ 990 00
A-13514-9	9	500	1000	✚ 1065 00
A-13514-10	10	550	1050	✚ 1125 00

PUMPS ONLY

	Each
No. A-135H05—Hand operated, 5 gal container	✚$690 00
No. A-135P5—Air pressure, 5 gal container	✚ 690 00
No. A-135H010—Hand operated 10 gal container	✚ 750 00
No. A-135P10—Air pressure, 10 gal container	✚ 750 00
No. A-135H015—Hand operated, 15 gal container	✚ 825 00
No. A-135P15—Air pressure, 15 gal container	✚ 825 00

✚F. O. B. Missouri Factory Only.

WATER STATIONS

WRIGHT

Constructed throughout of best materials; main pipe stand tightly screwed in heavy cast base. Water hose tested to 100 pound pressure and equipped with an automatic valve.

Without Light.

No. A-51—Height over all 62 ins; diam base 12 ins; size pipe stand 3 ins; length water hose 7 ft; serving area water hose 14 ft; ship wt each 90 lbs..... Each $63 90

Crated.

With Light.

No. 52—Height over all 66 ins; diam base 12 ins; size pipe stand 3 ins; length water hose 7 ft; serving area water hose 14 ft; ship wt each 100 lbs..... Each +$99 00

Crated.

AIR STATIONS

WRIGHT

Constructed throughout of best materials; main pipe stand tightly screwed in heavy cast base. The counterweights are adjustable thereby returning the air pipe to a vertical position. The air hose is tested to 200 pound pressure. The upper frame turns on the pipe stand to a full circle, however a lug is provided to prevent twisting the air hose in the pipe stand. The aluminum swivel at the end of the air pipe turns a full 360 degrees. So constructed as to permit removal to replace air hose or to tighten clamps to stop air leaks.

(A-53)

Without Light.

No. A-53—Height over all 14 ft; diam base 12 ins; size pipe stand 3 ins; size air hose ½ in; length air hose 12½ ft; serving area air hose 40 ft; ship wt each 165 lbs..... Each $136 50

Crated.

With Lights.

No. A-54—Height over all 14 ft; diam base 12 ins; size pipe stand 3 ins; size air hose ½ in; length air hose 12½ ft; serving area air hose 40 ft; ship wt each 175 lbs..... Each +$154 50

Crated.

(A-54)

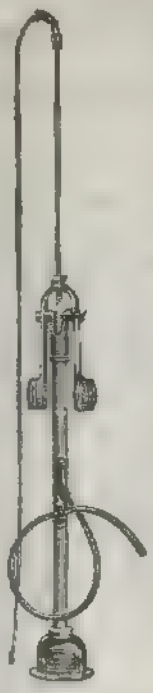
+F. O. B. Kentucky Factory Only.

AIR AND WATER STATIONS

WRIGHT

The air and water station meets the demand for a cleaner and better service. Its neat appearance with its quiet and efficient operation attracts the free air and water customers.

Sturdily constructed throughout of best materials; main pipe stand tightly screwed in heavy cast base. The counterweights are adjustable thereby returning the air pipe to a vertical position. The air hose is tested to 200 pound pressure and the water hose to 100 pound pressure. The valve in the water hose line automatically closes when released. The upper frame turns on the pipe stand to a full circle, however a lug is provided to prevent twisting the air hose in the pipe stand. The aluminum swivel at the end of the air pipe turns a full 360 degrees. So constructed as to permit removal to replace air hose or to tighten clamps to stop air leaks.



Without Lights.

No. A-55—Height over all 14 ft; diam base 12 ins; size pipe stand 3 ins; size air hose ½ in; length air hose 12½ ft; length water hose 7 ft; serving area air hose 40 ft; serving area water hose 14 ft; ship wt each 175 lbs..... Each $160 05

Crated.

With Lights.

No. A-56—Height over all 14 ft; diam base 12 ins; size pipe stand 3 ins; size air hose ½ in; length air hose 12½ ft; length water hose 7 ft; serving area air hose 40 ft; serving area water hose 14 ft; ship wt each 185 lbs..... Each +$178 20

Crated.

+F. O. B. Kentucky Factory Only.

GASOLINE OUTFITS

WESTERN 10 GALLON VISIBLE AIR PRESSURE PUMPS

Visible glass cylinder, made of heavy clear flint glass, the figures being in bright red and black arrows indicate liquid level line. Cylinder is protected by a removable metal screen. Should the glass container become broken in any manner, the pump is not put out of use, with each pump is furnished a brass by-pass valve which screws into the intake and out-let pipes and gasoline may be pumped thru this by-pass directly to meter and dispensing hose.

Cabinet—The cabinet or pump housing is made of 16 gauge steel, made in two parts making it easy to take apart should it become necessary. A slide door allows access to control lever and filter cock, the door having a slot just large enough for the hose, the nozzle end of the hose being securely locked inside the cabinet when door is closed and locked. Bottom, center and top castings are made of heavy cast iron, making cabinet very strong and rigid throughout.

Gallon Meter—Keeps an accurate check on all gasoline drawn up to 99999 gallons at which point it reverts to 00000 making it a continuous meter. On the face of the meter is a discharge register dial the hand of which shows every gallon discharge up to 10 gallons.

Filter—The filter is located on the intake line and all gasoline is strained and filtered from water and other impurities.

Hose and Filling Nozzle—10 foot metal hose having a rubber and braided cotton cover, fitted with adjustable brass couplings

Shut Off Cock—Pump is equipped with an instantaneous shut off cock, by merely raising or lowering the lever the supply line is opened or closed.

Electric Lamp—19 inch semi-indestructible globe, galvanized steel frame, removable sides made of heavy vitralized glass The word Gasoline being etched into the glass. One socket is located on top of pump for light globe and two on sides of glass container, all sockets are made of weather proof fibre

Finish—Cabinet is finished in bright vermillion and black, treated with a finishing coat of highest grade of clear spar varnish.

Dimensions of Pump—Height 10 feet 8 inches, base casting 20 inches square, center casting 15 inches square, top casting 22½ inches square, shipping weight 550 lbs.

With 12 Gauge Tanks.

Nos.	Capacity Bbls	Capacity Gals	Wt Lbs	Each
A-13012-2	2	120	780	✚$1320 00
A-13012-3	3	170	840	✚ 1395 00
A-13012-4	4	220	900	✚ 1425 00
A-13012-5	5	280	960	✚ 1455 00
A-13012-7	7	390	1050	✚ 1530 00
A-13012-9	9	500	1160	✚ 1620 00
A-13012-10	10	550	1200	✚ 1650 00
A-13012-15	15	800	1400	✚ 1785 00
A-13012-18	18	1000	1680	✚ 1920 00
A-13012-20	20	1100	1780	✚ 2025 00

With 14 Gauge Tanks.

Nos.	Capacity Bbls	Capacity Gals	Wt Lbs	Each
A-13014-2	2	120	740	✚$1320 00
A-13014-3	3	170	790	✚ 1380 00
A-13014-4	4	220	840	✚ 1410 00
A-13014-5	5	280	890	✚ 1440 00
A-13014-7	7	390	990	✚ 1500 00
A-13014-9	9	500	1070	✚ 1545 00
A-13014-10	10	550	1130	✚ 1575 00

✚F. O. B. Missouri Factory Only.

GASOLINE OUTFITS

WESTERN 10 GALLON VISIBLE AIR PRESSURE PUMPS

EXTRA ATTACHMENTS AUXILIARY HAND PUMPS

Each

No. A-130AH P—Hand pump will fill the 10 gallon container in 30 seconds. This pump is merely a precautionary measure in case the air supply should fail for any reason whatsoever ..... ✚$138 00

AIR PUMP ONLY

Each

No. A-130 P—10 gallon air pressure pump only, including auxiliary tank, check and swing valves..... ✚$1230 00

✚F. O. B. Missouri Factory Only.

BLUE GRASS TRADE MARKED LINES

"THE NATIONS STANDARD OF QUALITY"

GASOLINE OUTFITS

WESTERN 5 GALLON VISIBLE CURB OUTFIT

With Combination Piston and Visible Pump.

(Open)

(Closed)

Visible Glass Cylinder, made of heavy clear flint glass, the figures being in bright red and black arrows indicate liquid level line. Cylinder is protected by a metal screen which is removable. Cylinder is fited to top and bottom castings by six stay rods and by removing the nuts from bottom of stay rods, cylinder may be taken down at any time inside should require cleaning.

Cabinet—The cabinet or pump housing is made of sheet metal, the door being lowered to open cabinet, when door is raised it automatically fastens and is locked by a brass pad lock.

Pump—Long distance piston type, adjusted to measure 1, 2, 3, 4 or 5 gallons at a stroke; 9 inch seamless brass cylinder; ¾ inch brass piston rod; heavy brass valves and stuffing box; cut steel gears, bronze bushed and protected by gear guard; case hardened bearings and spindles. The pump measures the exact amount desired into the glass container, the latter merely acting as a check on the Pump and to show customer just what he is receiving.

Gallon Meter—Keeps an accurate check on all gasoline drawn up to 99999 gallons at which point it reverts to 00000, making it a continuous meter. The figures are large and legible, stamped into the metal.

Filter—Is mounted on pump plate and all gasoline is filtered and strained from water and other impurities before it enters glass cylinder.

Automatic Hose Drain—An automatic drain valve is attached to pump which allows hose to drain out clean as soon as flow stops.

Hose and Filling Nozzle—Furnished with each pump 10 feet of 1 inch metal hose, rubber and cotton covered and having adjustable brass couplings, the filling nozzle is fitted with fine brass removable strainer.

Shut-off-Cock—Pump is equipped with an instantaneous shut-off cock, by merely raising or lowering the lever the supply line is opened or closed.

Electric Lamp—A 12 inch canteen shaped globe is furnished, fitted with socket inside for lamp and two weather-proof fibre sockets are located on top on either side of glass cylinder wire are ready for connecting to local circuits No lamps furnished.

Removable Pump Handle—Handle may be lipped off and carried in side of the building, making pump fool and meddler proof.

Quantity Stop —For 1, 2, 3, 4 or 5 gallon are located in front on pump standard; to change measurment it is necessary to push in the nickeled disc stamped with the quantity desired, turn pump handle and the exact amount is discharged into glass container above.

Finish —Pump and cabinet are highly finished in vermillion enamel, with nickel trimming and gold lettering.

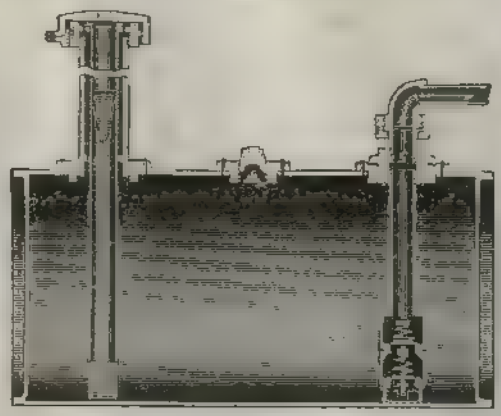
Dimensions of Pump—Height 9 ft. 9 inches; diameter 15 inches; 2 inch suction pipe.

(Continued in next column).

GASOLINE OUTFITS

WESTERN 5 GALLON VISIBLE CURB OUTFIT

With Combination Piston and Visible Pump.


(Sectional view of tank).

Tanks—Galvanized steel, welded throughout except the flanges which are riveted and welded to tank, this making a leak-proof tank. Furnished complete with double brass foot valves, suction pipe in tank, 3½ inch by 2 inch reducing plug; double fill pipes with strainers, lock cap, lock and keys with measuring stick. Each tank is fitted with three flanged openings, 2 inch for fill pipe, 1 inch for overflow return pipe and 3½ inch for reducing plug and 2 inch suction pipe. Tanks are inspected and bear the approval label of the National Board of Fire Underwriters.

WITH 12 GAUGE TANK

Nos.	Capacity, Bbls	Capacity, Gals	Wt, Lbs	Each
A-512-2	2	120	780	✣$1170 00
A-512-3	3	170	840	✣ 1200 00
A-512-4	4	220	900	✣ 1245 00
A-512-5	5	280	960	✣ 1275 00
A-512-7	7	390	1050	✣ 1380 00
A-512-9	9	500	1160	✣ 1440 00
A-512-10	10	550	1200	✣ 1500 00
A-512-15	15	800	1400	✣ 1650 00
A-512-18	18	1000	1680	✣ 1755 00
A-512-20	20	1100	1780	✣ 3075 00

WITH 14 GAUGE TANK

Nos.	Capacity, Bbls	Capacity, Gals	Wt, Lbs	Each
A-514-2	2	120	740	✣$1140 00
A-514-3	3	170	790	✣ 1170 00
A-514-4	4	220	840	✣ 1200 00
A-514-5	5	280	890	✣ 1230 00
A-514-7	7	390	990	✣ 1290 00
A-514-9	9	500	1070	✣ 1350 00
A-514-10	10	550	1130	✣ 1395 00

Tanks and pumps packed separately in crates.

✣F. O. B. Missouri Factory Only.

POCKET KNIVES
HAMMER BRAND

Stag handle with shield; large clip point blade, polished one side; small spear point blade, glazed; brass lining, nickel silver bolster and cap; length 2⅞ inches; weight per dozen 1¼ lbs.

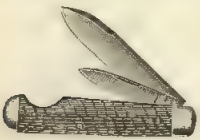
No. 20—Stag handle . Per doz. **$24.00**
One half dozen in a box

Greenshell handle; easy opening large spear point blade, polished one side; small spear point blade, glazed; brass lining; nickel silver bolster and cap; length 2⅞ inches; weight per dozen 2 lbs.

No. 23—Grecnshell handle . . . . . Per dozen **$24.00**
One half dozen in a box

Stag handle with shield; large spear point blade, polished, small spear point blade, glazed, brass lining, nickel silver bolster and cap; length 2⅞ inches; weight per dozen 1¾ lbs.

No. 24—Stag handle. . Per doz **$24.00**
One half dozen in a box



Prizmashell handle, large spear point blade, polished; small spear point blade, glazed; brass lining; nickel silver bolster and cap; length 3 inches; weight per dozen 2 lbs.

No. 2365—Shell handle. Per doz **$27 00**
One half dozen in a box.

POCKET KNIVES
HAMMER BRAND

Stag handle with shield; two spear point blades, glazed; brass lining; steel bolster and cap, length 3¼ inches, weight per dozen 2½ lbs.

No. 2225 –Stag handle. Per doz. **$18 00**
One half dozen in a box.

Stag handle with shield; large spear point blade, one side polished and etched; small spear point blade, glazed, brass lining; nickel silver bolster and cap, length 3½ inches; weight per dozen 2¼ lbs.

No. 2957—Stag handle. Per doz. **$27 00**
One half dozen in a box

Red pearlshell handle; one large spear point blade, polished one side; one small spear point blade, glazed; brass lining; nickel silver bolster and cap; length 3½ inches; weight per dozen 2 lbs.

No. 2857—Shell handle. Per doz. **$28.80**
One half dozen in a box

Red deershell handle; large spear point blade, polished one side; small spear point blade, glazed; brass lining; nickel silver bolster and cap, length 3¼ inches; weight per dozen 2¼ lbs.

No. 2523—Shell handle. Per doz. **$24.00**
One half dozen in a box.

POCKET KNIVES
HAMMER BRAND

Stag handle with shield; large spear point blade, glazed and etched; small spear point blade, glazed; brass lining; steel bolster; length 3⅛ inches; weight per dozen 3 lbs.

No. 6080—Stag handle. . Per doz. **$24.00**
One half dozen in a box.

Stag handle; large clip point blade, polished and etched; small spear point blade, glazed; brass lined; nickel silver bolster and cap; length 3⅝ inches; weight per dozen 2½ lbs.

No. 2211 –Stag handle Per doz **$31.20**
One half dozen in a box

Stag handle with shield; large spear point blade, polished one side and etched; small spear point blade, glazed; brass lining; steel bolster and cap; length 3⅝ inches; weight per dozen 2½ lbs.

No. 231—Stag handle. Per doz. **$24.00**
One half dozen in a box.

Stag handle with shield, large clip point blade, polished one side and etched; small spear point blade, glazed; brass lining; nickel silver bolster and cap; length 3½ inches; weight per dozen 2½ lbs.

No. 2083—Stag handle. . Per doz **$27.00**
One half dozen in a box.

POCKET KNIVES
HAMMER BRAND

Stag handle with shield; large saber blade, polished one side and etched; small spear point blade, glazed; brass lining; nickel silver bolster and cap; length 3 ⅛ inches; weight per dozen 2 ¾ lbs.

No. 2538—Stag handle . Per doz **$36.00**
One half dozen in a box

Stag handle with shield, large spear point blade, polished one side and etched; small blade, glazed, brass lining; nickel silver bolster and cap; length 4 inches, weight per dozen 3 lbs.

No. 2517—Stag handle. . Per doz. **$36.00**
One half dozen in a box

Stag handle with shield; large spear point blade, polished and etched; small blade, glazed, brass lining; nickel silver bolster and cap; length 3 inches; weight per dozen 2 lbs

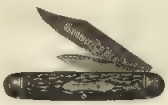
No. 2288—Stag handle. . Per doz. **$28.80**
One half dozen in a box.

Electricians', stag handle with shield, large clip point and combination scraper and screw driver blade; brass lining; nickel silver bolster and cap; length 3 ¼ inches; weight per dozen 2 ¼ lbs.

No. 2491—Stag handle . Per doz **$36.00**
One half dozen in a box.

Stag handle with shield; large spear point blade, polished one side and etched; small blade, glazed; brass lining; nickel silver bolster and cap; length 3 ¾ inches; weight per dozen 2 ⅞ lbs.

No. 2538—Stag handle . Per doz. **$36.00**
One half dozen in a box

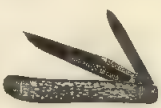


Stag handle with shield; large clip point blade, polished one side and etched; small blade, glazed; brass lining; nickel silver bolster and cap, length 3 ¼ inches; weight per dozen 2 ¼ lbs

No. 6038—Stag handle. Per doz **$24.00**
One half dozen in a box.

Persian shell handle, large spear point blade, polished, small blade. glazed, brass lining; nickel steel bolster and cap; length 2 ¾ inches; weight per dozen 1 ½ lbs

No. 2079—Shell handle. Per doz **$27.00**
One half dozen in a box



Stag handle; large clip point blade, polished and etched, small spear point blade, glazed; brass lining; nickel silver bolster and cap; length 2 ⅝ inches; weight per dozen 1 ½ lbs.

No. 2077—Stag handle. . Per doz. **$27.00**
One half dozen in a box.

POCKET KNIVES
HAMMER BRAND

Persian shell handle; large blade, polished; brass lining; length 2 ⅝ inches, weight per dozen 1 ½ lbs.

No. 22—Shell handle. . . Per doz. **$24.00**
One half dozen in a box

Pearl handle; large blade polished; brass lining; nickel silver bolsters, length 2 ¾ inches; weight per dozen 1 ¼ lbs

No. 295R—Pearl handle Per doz. **$42.00**
One half dozen in a box.

Pearl handle; large blade, polished; small blade, glazed; brass lining; nickel silver tips; length 3 ¼ inches; weight per dozen 1 ½ lbs.

No. 263—Pearl handle. . Per doz **$72.00**
One half dozen in a box.

Stag handle with shield; large spear point blade, polished and etched; small blade, glazed; brass lining; nickel silver tips; length 3 ¼ inches; weight per dozen 1 ¾ lbs.

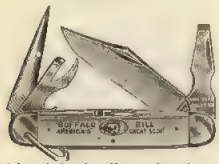
No. 2048—Stag handle . Per doz. **$28.80**
One half dozen in a box

Stag handle with shield; large spear point blade, polished and etched; small file blade, brass lining; nickel silver bolsters; length 3 ⅛ inches; weight per dozen 1 ¾ lbs.

No. 280—Stag handle. . . Per doz. **$28.80**
One half dozen in a box.

POCKET KNIVES
HAMMER BRAND

"BUFFALO BILL" CAMPING KNIVES
Stag handle with shield; large clip point blade, polished and etched; can and bottle opener, punch and screw drivers; brass lining; nickel silver bolsters; length 3⅝ inches; weight per dozen 3 lbs.
No. BB1—Stag handle..Per doz **$43.20**
One half dozen in d box.



Silvershell handle, otherwise the same as No. BB1
No. BB2—Silvershell handle..
.....Per doz **$48.00**
One half dozen in a box

KASTOR BRAND

Red bone handle; one clip point blade, glazed, steel lining; steel bolster; length 5 inches; weight per dozen 3½ lbs.
No. 41590—Bone handle
... ...Per dozen **$18 00**
One half dozen in a box

Metal imitation stag handle with shackle and 12 inch chain; large sheepfoot and small pen blades, glazed; steel lining; length 3⅜ inches; weight per dozen 2½ lbs.
No. 01814—Metal handle.....
.....Per dozen **$3.75**
One half dozen in a box.

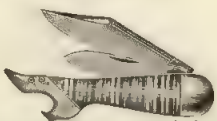
POCKET KNIVES
HAMMER BRAND

Stag handle with shield; large clip point blade, polished and etched; can and bottle opener, punch and screwdriver; brass lining; nickel silver bolsters; length 3⅝ inches; weight per dozen 3 lbs.
No. BB4—Stag handle. Per doz **$40.80**
One half dozen in a box.

Official Boy Scout Knives
Stag handle with shield; polished and etched blade; screwdriver, can and bottle openers and punch blade; brass lined, nickel silver bolsters; length 3⅜ inches; weight per dozen 2¾ lbs
No. B51 Stag handle..Per doz **$40.80**
One half dozen in a box.

SWORD BRAND

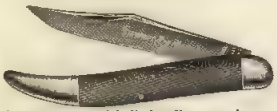
Oak celluloid handle shaped like a baseball bat with ball shield; large clip point blade, crocus finish, and a large spear point blade, glazed, nickel silver bolster; length 3⅝ inches
No. 86131—Celluloid handle..
.....Per dozen **$24.00**
One half dozen in a box



Amber celluloid handle; finely finished blades; brass lining; nickel silver bolster and shoe; length 3⅜ inches.
No. 85879— Celluloid handle..
..... Per dozen **$24 00**
One half dozen in a box.

POCKET KNIVES
HAMMER BRAND

OFFICIAL BOY SCOUT KNIVES
Stag handle with shield; large clip point blade, polished and etched; belt punch, glazed; brass lining; nickel silver bolster; ring for chain; length 3½ inches; weight per dozen 2¾ lbs.
No. BS2—Stag handle..Per doz. **$25.20**
One half dozen in a box.



Mottled redshell handle, one large clip point blade, polished and etched, brass lining; steel bolster; length 5 inches; weight 2 lbs.
No. 177 Shell handle .....
... . Per dozen **$25.20**
One half dozen in a box.

Redwood handle; large clip point sabre blade, glazed; steel lining; steel bolster; length closed 5⅛ inches; weight per dozen 4¼ lbs.
No. 188—Redwood handle.
. . .Per dozen **$36.00**
One half dozen in a box.

SWORD BRAND

Knife, fork and spoon which come apart for separate use; nickel silver spoon; stag handle, brass lining; nickel silver bolster; length 4 inches; weight each 7 oz.
No. 69501 Stag handle.Per doz. **$54.00**
One in a box, quarter dozen in a carton.

POCKET KNIVES
HAMMER BRAND

Stag handle with shield; large blade polished and etched; small blade glazed; brass lining; nickel silver bolsters, length 3 inches; weight per dozen 1½ pounds.

No. 291—Stag handle . . . . . Per dozen **$24 00**

One half dozen in a box

Stag handle with shield; large spear point blade, polished; small spear point blade, glazed; brass lining; nickel silver bolsters; length 3¼ inches; weight per dozen 1¾ pounds.

No. 2355—Stag handle . . . . . Per dozen **$25.20**

One half dozen in a box

Silver shell handle with emblem; two spear point blades, polished one side; brass lining; large nickel silver rivets; length 3¼ inches; weight per dozen ⅞ pound.

Furnished with emblem of I. O. O F., W. O. W., Elks, K. K. K., Blue Lodge or Shrine as specified on order.

No. 6171—Shell handle . . . . . Per dozen **$27.00**

One half dozen in a box

Pearl handle with emblem; large spear point blade, polished; nail file blade; brass lining; nickel silver tips; length 3 inches; weight per dozen ⅞ pound.

Furnished with emblem of Blue Lodge, Shrine, Elks or K. K. K. as specified on order.

No. 2270R—Pearl handle . . . . . Per dozen **$84.00**

One half dozen in a box

POCKET KNIVES
HAMMER BRAND

Pearl handle with ring, two spear point blades, polished; nail file; brass lining; length 3 inches; weight per dozen ¾ pound

No. 3025R—Pearl handle . . . . . Per dozen **$90 00**

One half dozen in a box

Stag handle with shield; large clip point blade, polished and etched; small pen blade, glazed; brass lining; nickel silver bolsters; length 3¼ inches; weight per dozen 1½ pounds.

No. 2354—Stag handle . . . . . Per dozen **$28.80**

One half dozen in a box

Stag handle with shield; one large clip point blade, polished and etched; one large spear point blade, polished one side; brass lining; nickel silver bolsters; length 3⅝ inches; weight per dozen 2 pounds.

No. 2399—Stag handle . . . . . Per dozen **$36.00**

One half dozen in a box.

Texas Jack—Stag handle with shield; large clip and spear point blades; brass lining; nickel silver bolsters; length 4 inches; weight per dozen 3 pounds.

No. 2038—Stag handle . . . . . Per dozen **$36 00**

One half dozen in a box.

POCKET KNIVES
HAMMER BRAND

Stag handle with shield; large sheepfoot blade, polished and etched; large pen point blade, glazed; brass lining; nickel silver bolsters; length 3⅛ inches; weight per dozen 2 pounds.

No. 2848—Stag handle . . . . . Per dozen **$30.00**

One half dozen in a box.

Stag handle with shield; large spear point blade, polished and etched; small spear point blade, glazed; brass lining, nickel silver bolsters; length 3¼ inches; weight per dozen 1⅞ pounds.

No. 2022—Stag handle . . . . . Per dozen **$27 00**

One half dozen in a box

Stag handle with shield; large sheep foot blade, polished and etched; small spear point blade, glazed; brass lining; nickel silver bolsters; length 3⅛ inches; weight per dozen 2 pounds.

No. 2847—Stag handle . . . . . Per dozen **$24.00**

One half dozen in a box

Stag handle with shield; large sheepfoot blade, polished one side; small spear point blade, glazed; brass lining; nickel silver bolsters; length 3⅛ inches; weight per dozen 2 pounds.

No. 2548—Stag handle . . . . . Per dozen **$24.00**

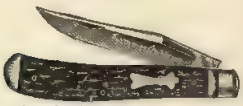
One half dozen in a box

POCKET KNIVES
HAMMER BRAND

Redwood handle; large pruning blade, glazed; steel lining; steel bolster; length closed 4 inches; weight per dozen 2½ pounds.

No. 142—Red wood handle . . . . . Per dozen **$24.00**

One half dozen in a box



Stag handle with shield; one large clip point blade, one side polished and etched; brass lining; nickel silver bolster and cap; length closed 3¾ inches; weight per dozen 2 pounds.

No. 1780—Stag handle . . . . . Per dozen **$24 00**

One half dozen in a box.

Persian shell handle; one large clip point blade, polished; brass lining; nickel silver bolster; length 2¾ inches; weight per dozen 1½ pounds

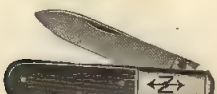
No. 1070R—Shell handle . . . . . Per dozen **$24 00**

One half dozen in a box.

Persian shell handle; one spear point blade, polished; brass lining; length 2¼ inches; weight per dozen 1 pound.

No. 117 Shell handle . . . . . Per dozen **$13 50**

One half dozen in a box.



Black bone handle; one spear point blade, glazed; steel lining and bolster, length closed 3½ inches; weight per dozen 1¾ pounds.

No. 1506—Black handle . . . . . Per dozen **$0 30**

One half dozen in a box

POCKET KNIVES
HAMMER BRAND

Black bone handle; two spear point blades, glazed; steel lining and bolster; length closed 3½ inches; weight per dozen 2 pounds.

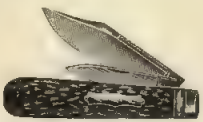
No. 2506—Black handle . . . . . Per dozen **$12 60**

One half dozen in a box.

Black bone handle; large clip point and small spear point blade, glazed; steel lining and bolster; length closed 3½ inches; weight per dozen 2 pounds.

No. 2504—Black handle . . . . . Per dozen **$12 60**

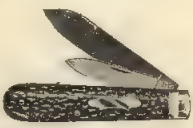
One half dozen in a box



Stag handle; large clip point and small spear point blades, glazed; steel lining and bolster; shield; length 3¼ inches; weight per dozen 2 pounds.

No. 2449—Stag handle . . . . . Per dozen **$18 00**

One half dozen in a box.

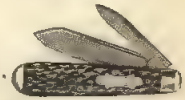


Stag handle; two spear point blades; glazed; steel lining and bolster; shield, length closed 3¼ inches; weight per dozen 2 pounds.

No. 2444—Stag handle . . . . . Per dozen **$18.00**

One half dozen in a box

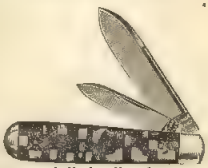
POCKET KNIVES
HAMMER BRAND



Stag handle with shield; large and small spear point blades, glazed; brass lining; steel bolster and cap; length 3¼ inches; weight per dozen 2¼ pounds.

No. 2360—Stag handle . . . . . Per dozen **$24.00**

One half dozen in a box



Norway shell handle; large spear point blade; polished, small spear point blade, glazed; brass lining; nickel silver bolster and cap; length 3¼ inches; weight per dozen 2½ pounds.

No. 239 Norway shell . . . . . Per dozen **$25.20**

One half dozen in a box

Tutshell handle; clip point sabre blade, polished; spear point small blade glazed; brass lining; nickel silver bolster and cap; length 3¼ inches; weight per dozen 2½ pounds.

No. 238—Tutshell handle . . . . . Per dozen **$27.00**

One half dozen in a box.

Stag handle with shield; large spear point blade, polished one side and etched; small spear point blade, glazed; brass lining; nickel silver bolster and cap; length 3¼ inches; weight per dozen 2 pounds.

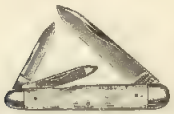
No. 2423—Stag handle . . . . . Per dozen **$24.00**

One half dozen in a box

POCKET KNIVES
HAMMER BRAND

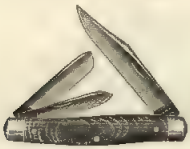
Stag handle with shield; large spear point blade, polished; small pen point and file blades; brass lining; nickel silver tips, length 3 inches; weight per dozen 1 lb

No. 315—Stag handle..Per doz. **$48.00**
No. 317 —Pearl handle..Per doz. **72.00**
One half dozen in a box.



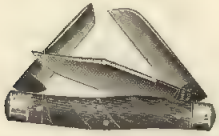
Pearl handle; large spear point blade, polished; small pen blade glazed and file blade; brass lining; nickel silver bolsters; length 2½ inches; weight per dozen ¾ lb.

No. 323—Pearl handle..Per doz. **$48.00**
No. 322—Stag handle..Per doz. **34.20**
One half dozen in a box



Blue pearlshell handle; large clip point blade, polished; spey and spear point, glazed; brass lining; nickel silver bolsters; length 3¼ inches; weight per dozen 2 lbs.

No. 3610—Shell handle..Per doz. **$37.80**
One half dozen in a box.



Green pearlshell handle, large clip point blade, polished; other blades glazed; brass lining; nickel silver bolsters; length 3⅝ inches; weight per dozen 2½ lbs.

No. 3615—Shell handle..Per doz. **$48.20**
One half dozen in a box.

POCKET KNIVES
HAMMER BRAND

Stag handle with shield; large clip point blade, polished and etched; spey and pen blades, glazed, brass lining; nickel silver bolsters; length 3¼ inches; weight per dozen 2 lbs.

No. 3510 Stag handle..Per doz **$36.00**
One half dozen in a box

Stag handle with shield; large clip point blade, polished and etched; spey and sheepfoot blades, glazed; brass lining; nickel silver bolsters; length 3⅝ inches, weight per dozen 2¼ lbs.

No. 3515—Stag handle ..Per doz. **$40.80**
One half dozen in a box.

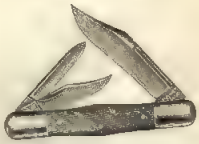
Stag handle with shield; large clip point blade, polished and etched; spey blade, glazed; brass lining; nickel silver bolsters; length 3¼ inches; weight per dozen 2 lbs.

No. 2510—Stag handle..Per doz **$31.20**
One half dozen in a box.

Stag handle with shield; large clip point blade, polished and etched; spey blade, glazed; brass lining; nickel silver bolsters; length 3⅝ inches; weight per dozen 1¾ lbs.

No. 2513—Stag handle..Per doz. **$36.00**
One half dozen in a box.

POCKET KNIVES
HAMMER BRAND



Red pearlshell handle; large clip point blade, polished; small blades, glazed; brass lining, nickel silver bolsters; length 3¼ inches; weight per dozen 2 lbs.

No. 393—Shell handle..Per doz. **$39.60**
One half dozen in a box.

Stag handle with shield, three large blades; spear point, polished and etched, spey and sheepfoot point, plain glazed; brass lining; nickel silver bolsters; length 3⅝ inches; weight per dozen 2¼ lbs

No. 3220 Stag handle..Per doz. **$37.80**
One half dozen in a box.

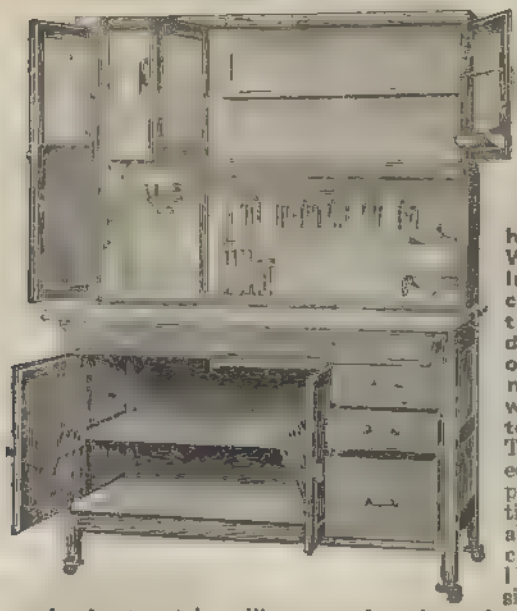
Stag handle with shield; large clip point blade, polished and etched; spey and sheepfoot blades, glazed; brass lining; nickel silver bolsters; length 2⅞ inches, weight per dozen 2 lbs.

No. 35—Stag handle...Per doz. **$36.00**
One half dozen in a box.

Stag handle with plate; two large blades, one polished and etched; two small pen blades, glazed; brass lining; nickel silver bolsters; length 3⅛ inches; weight per dozen 2 lbs.

No. 40420—Stag handle.Per doz. **$48.00**
One half dozen in a box.

KITCHEN CABINETS
—BLUE GRASS—ROLL CURTAIN FRONT



Porcelain sliding top, stain and acid proof, will not crack or chip when exposed to extreme heat or cold. Width 47 Inches. So constructed that two top drawers pull out automatically with sliding top.

Top—Rounded corners, panel doors; tilting removable flour bin, capacity 50 lbs, rapid sifter; disappearing front curtain, rolling upward; sanitary glass sugar jar; 6 piece set of jars for spices, tea, etc. Handy helps on doors, change and milk ticket trays, extract rack, bill hook and holder.

Base—Sanitary sliding shelf; wire lid rack on door; large hardwood meat board; large utensil cupboard; bread and cake drawer; automatic opening and closing lid; large drawer for linen; deep divided cutlery drawer; sanitary leg base; ball-bearing casters.

No. BG50WE—Clear grained solid oak, high gloss varnish finish; porcelain sliding table top; height 69 ins; size table top 47x27 ins; kneading board 17x21½ ins Each **$167 25**

Base and top crated separately; shipping wt each 344 lbs.

—BLUE GRASS—ALL STEEL

White Enameled.

The structural frame is of heavy angle steel, cut and formed on special machines; securely welded into proper shape causing every drawer and door to fit perfectly. The enamel is applied similar to that on white-enameled steel beds. A number of coats are applied by an air brush and each coat baked on. The result is, a surface that will not chip or peel off. The entire body is of heavy sheet steel with all joints electrically welded, enameled a snow white. The base is fitted with tin lined bread or cake box, one large linen drawer, one towel drawer, one partitioned cutlery drawer, large utensil compartment with removable shelf, and pan rack on inside of door. A white maple bread board is also furnished.

The top contains a tilting flour bin with flour sifter, glass sugar container, seven crystal glass spice jars and a crystal glass measuring cup.

Height over all 70 inches; width 40 inches; top 40½x26 inches; extending to 37 inches when drawn out. Each

No. BG2S—With porcelain sliding top **$157 50**

Base and top separately; shipping wt each complete 320 lbs.

KITCHEN SAFES

Hardwood, imitation quartered oak finish; 4 feet 11 inches high; 2 feet 10 inches wide; 14½ inches deep; perforated tin doors; mounted with patent lug fasteners. Each

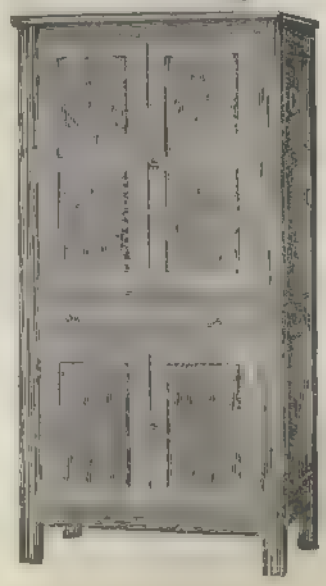
No. 20TD—With drawer **$20 55**

One in crate, K. D.; shipping wt each 65 lbs.

Hardwood, imitation quarter sawed oak, golden gloss finish; 4 feet 11 inches high; 3 feet 4 inches wide; 14½ inches deep; perforated tin doors large; drawer; mounted with patent lug fasteners. Each

No. 21T....**$23 25**

One in crate, K. D.; shipping wt 85 lbs.



KITCHEN CUPBOARDS

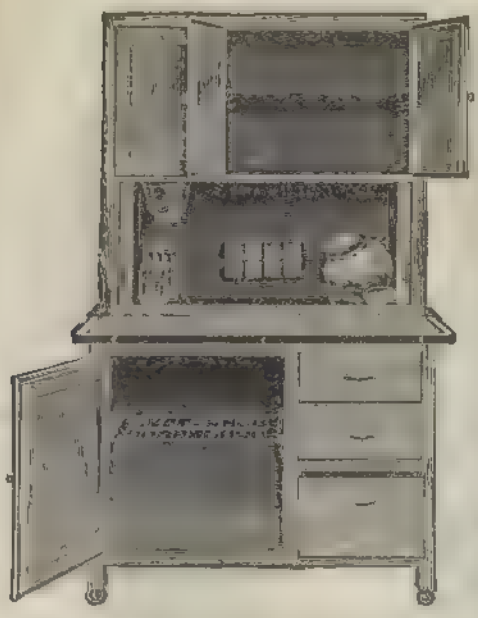
Hardwood, imitation quarter sawed oak, golden gloss finish; 5 feet 9 inches high; 2 feet 10 inches wide; 14½ inches deep; panel doors in base; large drawer; mounted with patent lug fasteners. Each

No. 22T—With perforated tin doors in top.....**$30 75**

No. 22P—With panel wood doors in top. **30 75**

One in crate, K. D.; shipping wt 98 lbs.

KITCHEN CABINETS
ROLL FRONT

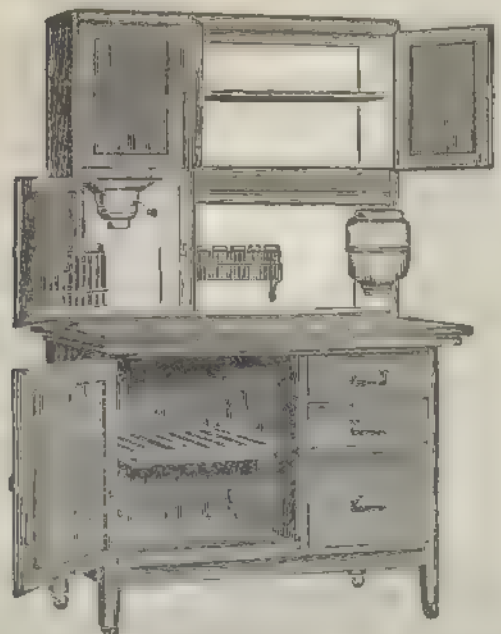


Solid oak front hardwoodsides. Whiteenameled interior. Removable metal flour bin; sanitary glass sugar bin; six jars for spices, tea, and coffee. The lower part of cabinet has a very roomy compartment for pans, pots and kettles, with wire rack on the door. Sanitary wire sliding shelf; metalbread and cake drawers, and drawer for cutlery.

Height 69 inches; width 41 inches; depth 27 inches.

	Each
No. 17WE—With aluminum sliding top	$74 25
No. 17PT—With porcelain sliding top	84 00

One in crate, K. D; shipping wt each 165 lbs.

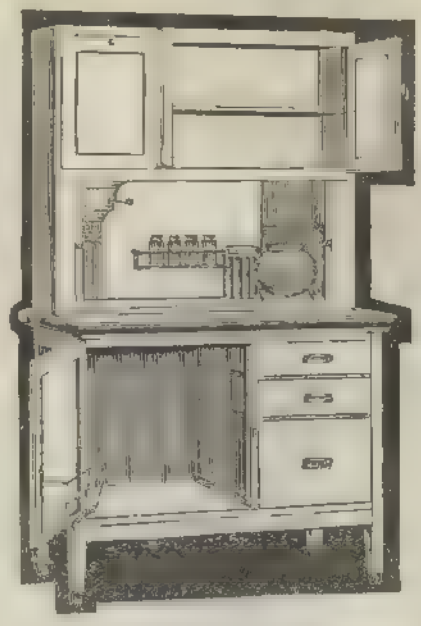


Solid oak; white enameled interior; suspended sugar bowl and 7 piece glass spice set. All metal ventilated bread drawer; metal shelf in top section; tilting flour bin. Height 70 inches; width 42 inches; depth 23 inches. Sliding top 25x42 inches.

	Each
No. 6½WE—With aluminum sliding top	$69 75
No. 6½PT—With porcelain sliding top	90 75

Crated; shipping wt 260 lbs.

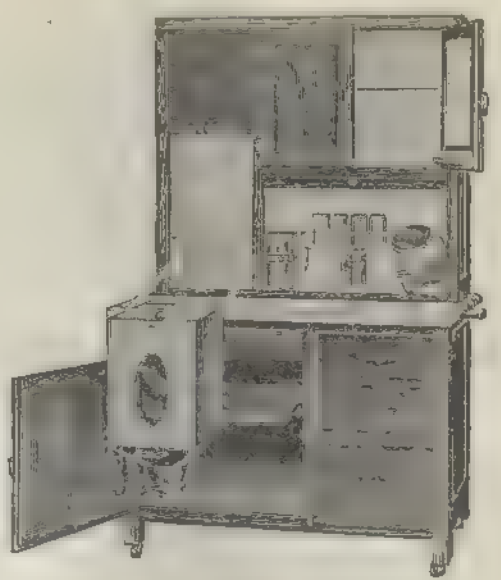
KITCHEN CABINETS
SLIDING FRONT



Solid oak; white enameled finish thoughout, sugar bowl; 5 piece glass spice set. All metal ventilated bread drawer; metal shelf in top section; tilting flour bin. Height 70 inches; width 42 inches; depth 23 inches. Sliding top 25x42 inches.

	Each
No. 27PT—All white enameled porcelain sliding top	$97 50

Crated; shipping wt 250 lbs.



Cupboard top; white enameled inside; all oak, box base construction; wire pan rack, sliding wire shelf, cutting board; metal bread box, handy filing hooks, extract bottle rack, tea, coffee and spice set, ticket and change tray, large rack with rolling pin holder, daily reminder and popular receipts, food chopper bracket, glass front flour bin, which lowers to work table for easy filling. Full roll curtain over flour bin.

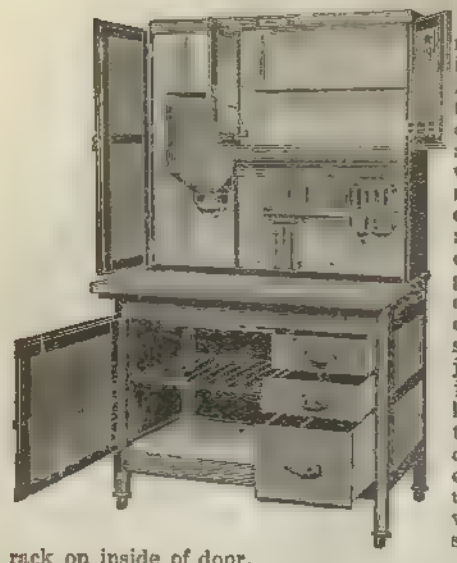
Height over all 68 inches; width 41 inches; depth 24 inches; work table 25x41 inches.

	Each
No. 19WE—With aluminum sliding top	$84 00
No. 19PT—With porcelain sliding top	94 50

Crated; shipping wt 168 lbs.

KITCHEN CABINETS

—BLUE GRASS—
ROLL CURTAIN FRONT



Solid oak, dull rubbed finish; reinforced sanitary leg base. Cupboard top is white enameled inside and equipped with independent metal flour bin and extra shelf, glass sugar bin, glass tea and coffee jars, and five glass spice jars. A disappearing wood curtain front covers sugar bin and spice jars. Base has sliding table top, kneading board, metal cake or bread drawer, two smaller drawers, and large utensil department with wire sliding shelf and wire pan rack on inside of door.

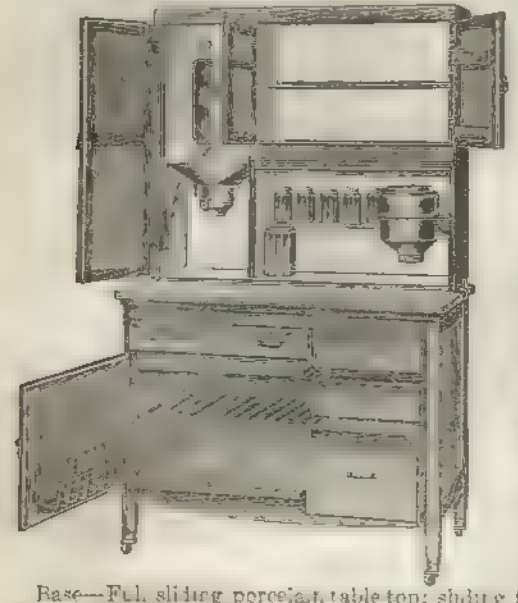
Height 70 inches; width 38 inches; table top 40x25 ins. Each

No. BG1WE—With aluminum sliding top $100 50
No. BG1WE-PT—With porcelain sliding top 111 00

Skipped base and top separate in two bdles, burlapped, shipping wt each 250 lbs.

ROLL CURTAIN FRONT

Porcelain Sliding Top is Stain and Acid Proof and Will Not Crack or Chip with Extreme Heat or Cold.



Top—Rounded corners beautiful art glass doors interior white enameled; tilting removable flour bin, capacity 50 lbs., rapid sifter; disappearing front curtain rolling upward; handy drawer underneath flour bin large china closet, sanitary glass swinging sugar bin; six piece set of glass jars for spices, tea and coffee.

Base—Full sliding porcelain table top; sliding false bottom—places bulky things in easy reach, sanitary wire sliding shelf, wire lid rack on door, large hardwood meat board, large utensil cupboard; deep divided cutlery drawer; spacious drawer for linen, bread and cake drawer of ample size; automatic opening and closing lid, ball bearing casters. Each

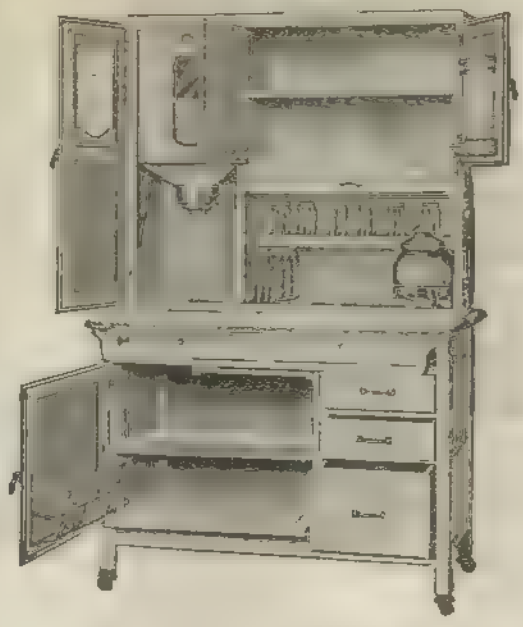
No. BGROWE—Clear grained solid oak, high gloss Spar varnish finish; porcelain sliding table top; height 69 ins; size table top 40x26 ins; kneading board 17x20 ins. $140 25

Base and top crated separately, shipping wt each 252 lbs.

KITCHEN CABINETS

—BLUE GRASS—

ROLL CURTAIN FRONT



Porcelain sliding top, stain and acid proof and will not crack or chip with extreme heat or cold.

So constructed that two top drawers pull out automatically with sliding top.

Top—Rounded corners; wood panel doors; tiling removable flour bin, capacity 50 lbs.; rapid sifter; disappearing front curtain rolling upward, large china closet; sanitary glass sugar jar, six piece set of glass jars, for spices tea and coffee. Handy Helps on doors—Change and Milk ticket trays, extract rack, bill hook, receipt book and holder and valuable charts of kitchen information, such as time for baking and boiling, table of proportion, etc.

Base—Full sliding porcelain table top; sliding false bottom—places bulky things in easy reach, sanitary wire sliding shelf, wire lid rack on door; large hardwood meat board; large utensil cupboard, deep divided cutlery drawer, spacious drawer for linen, bread and cake drawer of ample size, automatic opening and closing lid; sanitary leg base, ball-bearing casters.

Each

No. BG21WE All white enameled; porcelain sliding table top; height 69 ins; size table top 40x26 ins; kneading board 17x20 inches $161 25

Base and top crated separately; shipping wt each 262 lbs.

COSTUMERS

Wood.

1¼ inch square posts; with six brass plated hooks and heavy base; height 5⅔ feet.

	Each
No. 32CO—Oak, golden oak, rubbed finish	$21 75
No. 32CM—Hardwood, mahogany, rubbed finish	21 75

Wrapped singly, K. D; wt each 20 lbs.

BATHROOM CABINETS

Hardwood, white enameled finish; Commercial Quality beveled plate mirror in door, size 10x32 inches. The upper parts may be used for holding toilet articles, medicines and shaving outfits while the large drawer is for clean towels, etc.

The screen lined tilting bottom compartment is for soiled linen. Size base 17x22 inches; height of base 31 inches; height over all 70 inches.

	Each
No. 1722—Pure white enameled finish with swing porcelain top	$124 50

Crated; wt each 195 lbs

KITCHEN CABINETS
—TRADE STIMULATOR—

Solid oak front, hardwood sides. Has a heavy nickeloid sliding top; metal tilting flour bin; swinging glass sugar bin. The lower part of the cabinet has a very roomy compartment for pans, pots and kettles, with a pan rack on the door. Has three roomy drawers for cutlery, linens, etc. Height 69 inches; width 41 inches; depth 27 inches.

	Each
No. 16WE With aluminum sliding table top	$50 25
No. 16PT With porcelain sliding top	56 25

One in crate, K. D.; shipping wt each 145 lbs.

KITCHEN CABINETS

Hardwood white enameled finish; white stationary porcelain table top 25x41 inches; metal bread box, two drawers, wire pan rack, wire sliding shelf and roomy utensil cupboard with rolling pin bracket. Swinging seat securely attached to wood base, provided with caster which allows it to be easily moved.

	Each
No. 30PT—Size top 25x41 ins	$64 50

Crated; wt each 108 lbs.

Solid oak, golden gloss finish. Lower part of cabinet provided with two small drawers and two large drawers for flour, cornmeal, etc.

Top 22x44 inches; height 67 inches.

	Each
No. F551—Shipping wt each 186 lbs	$48 75

Base and top crated separately.

Hardwood, white enameled finish, metal tilting flour bin.

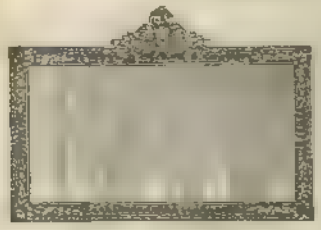
The lower part of cabinet has a very roomy compartment for pans, pots and kettles, with wire rack on door; metal bread and cake drawers.

Height 68 inches; top 25x42 inches.

	Each
No. 15WE—With stationary aluminum top	$57 75

Crated; shipping wt each 120 lbs.

FRAMED MIRRORS



POLYCHROME

1¼ inch frame, finished in black with full burnished top and corner ornaments. Commercial quality, plain plate mirror.

	Each
No. 4104—Size of mirror 12x20 ins	$16 50

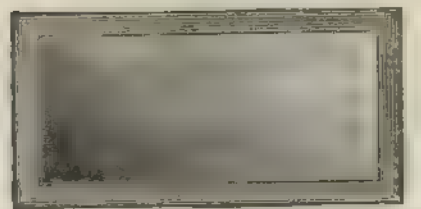
One in box; wt each 31 lbs.

PLAIN DESIGN

3 inch hardwood frame; mahogany finish. Commercial Quality beveled plate mirror.

	Each
No. 1119—Size 18x40 ins	$54 75

One in box; wt each 31 lbs.



American (Shocks) mirror; frame made of solid oak; high gloss golden oak finish.

Glass, ins.	8x10	10x14	12x20	18x22
Width frame ins.	1	1	1½	1½
Wt per doz lbs	24	26	60	72
Nos.	30½	30A½	30B½	30C½
Half doz in box, Per Doz.	$11 55	16 95	32 25	39 00

Half doz in box.

Nos.	30	30A	30B	30C
One doz in box, Per Doz.	$11 25	16 05	30 75	36 75

Will Not Break Boxes.

One doz in box.

French beveled plate mirror; frame made of solid oak; highly polished; golden oak finish.

Nos.	32	32A	32B
Glass, ins.	10x17	12x20	14x24
Frame, ins.	1½	2	2
Wt each, lbs.	7	8½	11½
Per Doz.	$131 25	196 50	259 50

Will Not Break Boxes.

Packed three of a size in box.

Nos.	32C	32D
Glass, ins.	18x32	18x40
Frame, ins.	3	3
Wt each, lbs.	21	27
Each	$41 25	51 00

One in box.

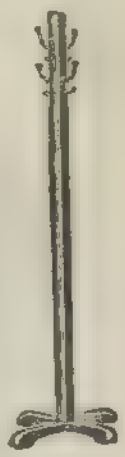
COSTUMERS

WOOD

1¾ inch square column; with four 2 prong hooks and heavy base; height 5¾ feet.

	Each
No. 26GO—Oak, golden gloss finish	$7 50
No. 26FO—Oak, fumed finish	7 50

Wrapped singly, K. D.; wt each 10 lbs.



1¾ inch square column; with four brass plated hooks and heavy base; height 5½ feet.

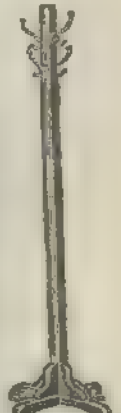
	Each
No. 30GO—Oak, golden gloss finish	$8 25
No. 30FO—Oak, fumed finish	8 25
No. 30M—Hardwood, mahogany finish	8 25

Wrapped singly, K. D.; wt each 10 lbs.

Four brass plated hooks; 1⅛x⅝ inch posts; height 5¾ ft.

	Each
No. 51GO—Oak, golden gloss finish	$10 95
No. 51FO—Oak, fumed finish	10 95
No. 51M—Hardwood, mahogany finish	10 95

Wrapped singly, K. D.; wt each 10 lbs.



2 inch square column; with four brass plated hooks and heavy base; height 5¾ feet.

(Shown also on page 3287.)

	Each
No. 31CO—Oak, golden oak, rubbed finish	$10 50
No. 31CM—Hardwood, mahogany, rubbed finish	10 50
No. 31D—Oak, (Derby) dull rubbed finish	10 50

Wrapped singly, K. D., wt each 10 lbs.

Gum, mahogany dull rubbed finish, 3 inch turned post, 20 inch massive base; 4 brass plated hooks, Roman gold finish; height 70 inches.

No.	F515
Less than crate lots, Each	$15 00
Full crates of 3, Each	13 50

Three in crate K. D.; wt each 12 lbs.

KITCHEN CUPBOARDS

Hardwood, imitation quarter sawed oak, golden gloss finish, 6 feet high; 3 feet 4 inches wide; 14½ inches deep, partitioned top doors in top and panel wood doors in base, with drawer mounted with patent lug fasteners.

Each
No. 23T ... $33 75
One in crate, K D; shipping wt 110 lbs.

—Trade Stimulator—

Hardwood, imitation quarter sawed oak, golden gloss finish; 6 feet high; 2 feet 10 inches wide; 14½ inches deep; glass doors in top panel wood doors in base; with drawer; glass 10x30 inches; mounted with patent lug fasteners.

Each
No. 30 ... $31 50
One in crate, K. D.; shipping wt 95 lbs.

Hardwood, imitation quarter sawed oak, golden gloss finish; 6 feet 3 inches high; 2 feet 10 inches wide; 14½ inches deep; glass doors in top; panel wood doors in base; with drawer; glass 10x30 inches.

Each
No. 24 ... $33 75
One in crate, K D.; shipping wt 97 lbs.

KITCHEN CUPBOARDS

Hardwood, imitation quarter sawed oak, golden gloss finish; 6 feet high; 3 feet 4 inches wide; 14½ inches deep; glass doors in top; panel wood doors in base, with drawer; glass 13x30 inches; mounted with patent lug fasteners.

Each
No. 25 ... $41 25
One in crate, K. D.; shipping wt 120 lbs.

Hardwood, imitation quarter sawed oak, golden gloss finish; 6 feet 8 inches high; 3 feet 4 inches wide; 14½ inches deep; glass doors in top; panel wood doors in base, with drawer; glass 14x30 inches; mounted with patent lug fasteners.

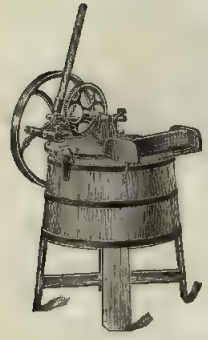
Each
No. 26 ... $45 00
One in crate, K. D.; shipping wt 125 lbs.

Hardwood, imitation quarter sawed oak, golden gloss finish; 6 feet 8 inches high; 3 feet 4 inches wide; 14½ inches deep glass door in top panel, wood doors in base with drawer; glass 14x30 inches; mounted with patent lug fasteners.

Each
No. 27 ... $48 75
One in crate, K. D.; shipping wt 135 lbs.

WASHING MACHINES

KNOXALL



Combined pump handle and upright lever washer so arranged that the change from one position to the other can be made instantly and with ease.

Made of Louisiana red cypress, finished in the natural color of wood, castings are painted in gold bronze, the fly wheel is green.

Each

No. H-5 — Capacity 20 gal., height over all 27 inches, width of tub at top 21 in., bottom 24 in., depth 12 in., weight each 94 lbs. $30 00

One in a Crate

O. K. HAND

Roller gearing rotary washer, thoroughly kiln dried Louisiana red cypress tub, inner surface corrugated, double thick lid, solid driving shaft with extra heavy driving pinion, double gear with roller cogs throughout, tub finished in natural color, hoops and gearing in gold bronze, fly wheel hard enameled green color.

Each

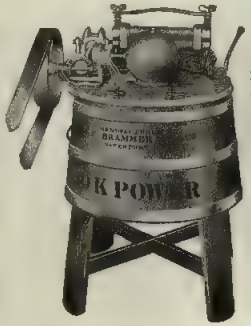
O. K. Hand—28 in. high over all, tub 24 in. diameter at the bottom and 21½ in. at the top, length of stave 14⅝ in., weight each 100 lbs. $23.00

The most important feature of a washing machine, however, is the gearing which operates the dasher in the tub. Let us dissect the gearing of the O. K. Note first the solid driving shaft, no knuckle jointed affair to get out of adjustment after being subjected to hard usage. To the one end of this shaft is attached an extra heavy driving pinion, which meshes with a double gear or head. This pinion and double gear, working in conjunction with guides cast solid with frame, make a combination for reverse motion unequalled for simplicity and strength.

One in a Crate

WASHING MACHINES

O. K. POWER



Tub is made from Louisiana cypress and finished in natural color. Bottom and sides of tub are corrugated, giving the utmost in washing efficiency, strong durable lid, solid stave legs, aluminum bronzed hood and mechanism.

Wringer attached to the washer and works with it. Has a metal frame, is ball bearing, rolls are vulcanized to the shafts. Has enclosed cog wheels and well tempered spring.

Each

No. P1—28 in. high over all, tub 24 in. in diameter at the bottom and 21½ in. at the top, length of stave 14⅝ in., weight each 138 lbs. $60 00

One in a Crate

O. K. ELECTRIC

Large kiln dried Louisiana red cypress top, corrugated sides and bottom, tongued and grooved staves, strong durable lid, solid stave legs, natural finish, aluminum bronzed hoops and mechanism.

Motor is of special design and capable of operating both the washer and wringer at the same time. Motor is splash proof, so that dampness or water cannot injure it. The sprocket wheel which operates the dasher block is equipped with roller bearings which greatly reduces friction and gives the washer an easy free movement.

O. K. Electric is constructed on the same principles as the O. K. Power described above, with the exception that it is fitted with motor for electric power, complete with metal frame wringer.

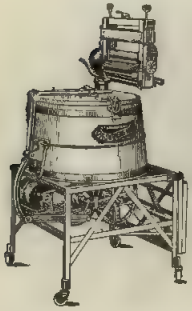
Each

No. E1—For alternating current, 110 volt, 60 cycle, unless otherwise specified but can be furnished with direct current motor or any voltage motor desired. Dimensions 28 in. high over all, tub 24 in. in diameter at the bottom, 21½ in. at the top, weight each 176 pounds $108 00

One in a Crate

WASHING MACHINES

O. K. SWINGING WRINGER, ELECTRIC



Tub made of kiln dried Louisiana cypress with smoothly cut corrugations on sides and bottom on the inside; outside varnished natural finish. Frame is built of angle iron, solidly braced. The electric motor and driving mechanism are mounted on the frame under the tub, out of the way. The folding tub bench, also made of angle iron, is hinged to the metal frame. A permanent frame of galvanized steel, which is rust resisting and gives a rigid support for washer and tubs. The bench when opened gives ample space for two large tubs. The wringer has 12 in. rolls, with adjustment for any desired tension. Safety release at top which instantly releases rolls should occasion arise.

Each

No. E7 One quarter H. P. electric motor for alternating current, unless otherwise specified, dimensions 54 in. high over all, tub 24 in. in diameter at the bottom and 21¼ in. at the top; weight each 176 lbs. .$150.00

No. E8—Same as No. E7 but with 16 oz copper tub, highly polished on outside, tinned on inside, with brass outlet 170.00

One in a Crate

Tub made of kiln dried Louisiana cypress with smoothly cut corrugations on sides and bottom on the inside. Outside varnished natural finish, mounted on a full size steel bench, with folding bench for one tub, all gears are cut and noiseless, mounted on a cast iron base. The machine is equipped with 12 in. roll swinging wringer with adjustment for tension. Safety release at top instantly releases rolls should occasion arise

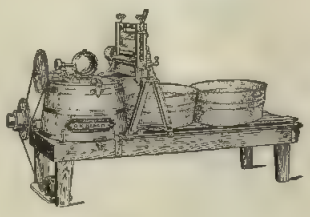
Each

No. E3—One-quarter H. P. electric motor for alternating current unless otherwise specified. Dimensions 54 in. high over all, tub 24 in. diameter at the bottom and 21¼ in. at the top, weight each 160 lbs. $134 00

One in a Crate

WASHING MACHINES

O. K. BENCH ELECTRIC



Electric Driven

Tub—The most select seasoned Louisiana cypress (the wood eternal) is used in making the O. K. Bench Tub. This wood is the best known for the purpose. Lid is made double thick to prevent the escape of heat and steam. Sides and bottom of tub are corrugated to increase its washing efficiency

Frame—The frame is made of hardwood and strongly bolted, making it rigid and durable. The extension tray for holding the clothes basket slides out of the way when not in use.

Dasher—The dasher makes a long, powerful sweep, which carries the clothes swiftly through the suds. This long sweep of the dasher prevents the wadding and tangling of clothes.

Motor—The motor is of special design and capable of operating the washer and wringer at the same time. This motor is a sturdily built, smooth running motor, splash-proofed to protect it against damage from water or dampness.

Wringer—Extra large specially built safety wringer, having full 12 in. rolls. The control lever is so arranged that the wringer may be stopped instantly or run forward or backward at will. By simply touching the safety lever the rolls are instantly spread, releasing garment.

Built heavy and strong and will stand the wear and tear. Recommended for use in small hotels, restaurants and institutions, as more work can be done with this machine in a given time than with any other household washing machine. Will outlast any other. The galvanized tubs and basket are not furnished with machine.

The O. K. Bench Washer is a great saver of unnecessary footsteps. A careful study of the design will reveal the practical convenience of having the washer, rinse tubs and basket on a straight line, with a sliding wringer. No extra steps and no tubs or bench to walk around or set in place. Everything required for washing is ready and in place

You are relieved of all the work involved in washing—you simply oversee—no lifting or unnecessary handling of clothes. The clothes are washed in a methodical, continuous process. Only a portion of your time is required to oversee the work. If you choose, the balance of your time can be employed in other household duties while the washer is doing its work.

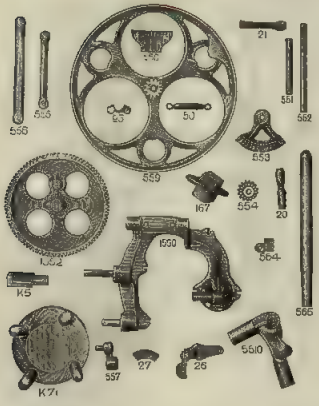
Each

No. E4—Electric, ¼ horse power electric motor, for alternating current, 110 volt, 60 cycles, unless otherwise specified, 52 in. high over all, tub 24 in. in diameter at the bottom, 21¼ in. at the top, bench is 6 ft. long and 30 in. wide, weight each 308 lbs..... .$182.00

One in a Crate

WASHING MACHINE PARTS

FOR KNOXALL WASHING MACHINE



No.		Price	Weight
20	Water plug	$ .05	1 oz
21	Bracket for wringer box	.05	1 oz.
26	Lid clamp	.30	
27	Lid clamp plate	.15	
50	Lift handle	.05	6 oz.
95	Water spout	.05	1 oz.
K 5	Galvanized plunger	.60	
167	Galvanized dasher sleeve	.60	
K 71	Wood dasher	.80	2 lbs. 8 oz.
553	Segmental gear	.60	1 lb. 4 oz.
554	Bevel pinion (with shaft 561)	.60	8 oz.
555	Pitman for segmental gear	.40	11 oz.
556	Pitman for spur gear	.40	1 lb. 2 oz.
557	Crank	.30	9 oz
559	Fly wheel	2.50	15 lbs. 4 oz.
564	Gear guard	.15	
565	Wood handle	.25	12 oz.
569	Hinges, pair	.25	10 oz.
570	Pulley to attach for power (not illustrated)	1.50	
1550	Main frame (new style)	3.00	11 lbs. 4 oz.
1552	Spur gear (with shaft 563) new style	2.00	5 lbs.
5510	Handle socket	1.00	3 lbs.

Open Stock.

FOR O. K. ROTARY HAND WASHER

Your particular attention is called to the fact that during the past few years several changes in the gearing of our O. K. machines were made, therefore, when ordering repairs, please note carefully the dimensions of frame, double gear plunger, etc., as given below, and order by number and name.

LIST OF PARTS FOR "O. K." ROTARY

No.		Price
S3	Fly wheel	$2 50
202	Frame 7½ in. high, ¾ in hole at bottom	2 25
3	Handle and bolt for wheel	.20
204	Double gear 3½ in. high, ¾ in. hole in center	1 20
5	Iron washer for top of frame	.05
6	Short roller for double gear	.10
7	Long roller for double gear	.10
8	⅛ in. stove pin	05
9	Spring cotter	.05
10	Thumb nut	10
11	Pinion	.40
213	Dasher ⅞ in. round hole (for No. 215 galv. plunger)	.90
14	Steel shaft ⅝x12 in.	.40
215	Galvanized plunger 15¾ in. long, ¾ in. diameter	.60
20	Water plug	.05
21	Wringer box bracket	.05
95	Spout	.05
152	Hinges, pair	.25
26	Lid clamp (new style)	.30
27	Lid clamp plate	.15
50	Lift handle	.05

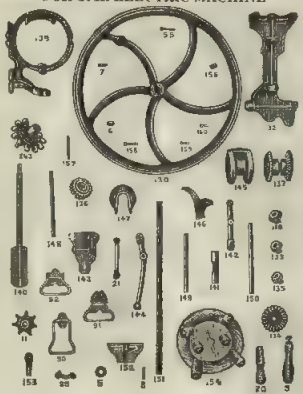
When parts to go by mail are ordered, postage must be added to price.

WASHING MACHINE REPAIRS

FOR O. K. POWER MACHINE

No.	Weight	Price
6—Small roller for double gear	¼ oz	$0 10
7—Large roller for double gear	½ oz.	10
11—Pinion for double gear	12 oz.	40
21—Wringer box brace (galvanized)	1 oz.	.05
26—Lid clamps		30
27—Lid clamp plate		15
50—Lift handle	1 oz	05
131—Pulley	6 lbs 8 oz	1 50
132A—Wringer frame with gearing complete	8 lbs.	3 00
133—Small bevel gear	5 oz	25
134—Large bevel gear on wringer drive	13 oz.	40
135—Small spur gear	4 oz.	25
136—Large spur gear	12 oz.	40
137—Wringer shifting gear	3 lbs 4 oz	1 00
138—Bevel gear for shifting gear	6 oz	25
139—Washer frame, cover, shaft, pinion	6 lbs. 12 oz.	2 25
141—Square sleeve	8 oz.	25
142—Shifter arm	6 oz	30
145—Guard for shifting gear	16 oz	30
146—Guard for bevel gear	7 oz	25
147—Guard for spur gear	10 oz	25
148—⅝ in. drive shaft, 9½ in. long	11 oz	.40
149—⅝ in. shaft, 7¼ in. long for washing frame	10 oz	.40
150—⅝ in. shaft, 8⅜ in. long for wringer frame	12 oz	40
151—Shifter bar	14 oz.	40
152—Hinges, pair	10 oz	25
154—Dasher (new style)	1 lb 12 oz.	90
155—Cap screw for shifter arm	2 oz	.10
162—Latch	3 oz.	25
165—Bracket for drain board		.25
166—Galvanized iron plunger		60
167—Dasher sleeve		60
200—Hexagon nut		10
232—Shifter lever		25
233—Shifter bracket		40
234—Eccentric for shifter		15
235—⅛ in shaft x 5½ in. shifter		20
263—Double gear	2 lbs. 8 oz	1 20
268—Drain spout, (new style)		1 20
Belt		1.00
Ball bearing for wringer		40
Spiral spring for wringer		.40
Galvanized guard wringer (lever side)		80
Galvanized guard wringer (wheel side)		80
Wringer roll, 10 in. long		3 00

FOR O. K. ELECTRIC MACHINE



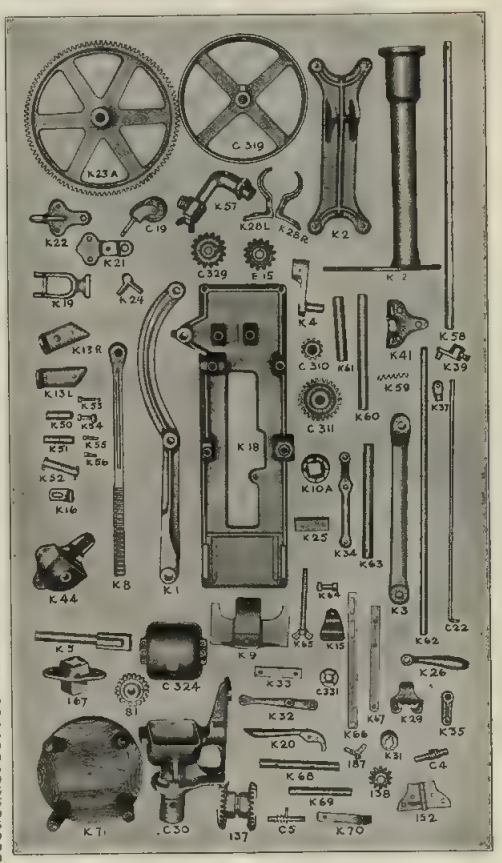
No.	Weight	Price
6—Small roller for double gear	¼ oz	$0 10
7—Large roller for double gear	½ oz	10
11—Pinion for double gear	12 oz	40
21—Wringer box brace (galvanized)	1 oz.	05
26—Lid clamps		.30
27—Lid clamp plate		.15
50—Lift handle	4 oz.	.05
130—Fly wheel grooved	12 lbs. 4 oz.	3.00
132A—Wringer frame with gearing complete	8 lbs.	3.00
133—Small bevel gear	5 oz	.25
134—Large bevel gear on wringer drive	13 oz.	.40
135—Small spur gear	4 oz	.25
136—Large spur gear	12 oz.	.40
137—Wringer shifting gear	3 lbs. 4 oz.	1.00
138—Bevel gear for shifting gear	6 oz	.25
139—Washer frame, cover, shaft, pinion	6 lbs. 12 oz.	2.25
141—Square sleeve	8 oz.	.25
142—Shifter arm	6 oz.	.30
145—Guard for shifting gear	16 oz.	.30
146—Guard for bevel gear	7 oz.	.25
147—Guard for spur gear	10 oz.	.25
148—⅝ in. drive shaft, 9½ in. long	11 oz.	.40
149—⅝ in. shaft, 7¼ in. long for washer frame	10 oz.	.40
150—⅝ in. shaft, 8⅜ in. long for wringer frame	12 oz.	.40
151—Shifter bar	14 oz.	.40
152—Hinges, pair	10 oz.	.25
154—Dasher (new style)	1 lb. 12 oz.	.90
155—Cap screw for shifter arm	2 oz.	.10
162—Latch	3 oz.	.25
165—Bracket for drain board		.25
166—Galvanized iron plunger		.60
167—Dasher sleeve		.60
200—Hexagon nut		.10
232—Shifter lever		.25
233—Shifter bracket		.40
234—Eccentric for shifter		.15
235—⅛ in. shaft x 5½ in. for shifter		.20
263—Double gear	2 lbs. 8 oz.	1.20
268—Drain spout, (new style)		1.20
Belt		1.00
Ball bearing for wringer		.40
Spiral spring for wringer		.40
Galvanized guard wringer (lever side)		.80
Galvanized guard wringer (wheel side)		.80
Wringer roll, 10 in long		3.00

WASHING MACHINE REPAIRS

FOR O. K. ELECTRIC SWINGING WRINGER WASHER

LIST OF PARTS FOR E-7 SWINGING WRINGER MACHINE

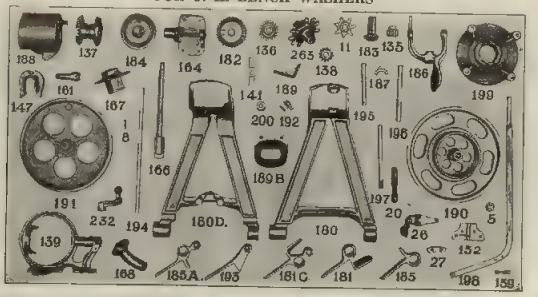
K.	1.	Rocker arm .	$1.50
K	2	Side frame	1.50
K	3.	Connecting rod	80
K	4.	Crank arm	50
K	5.	Galvanized plunger	60
K.	8.	Rack bar .	80
K	9.	Motor base	.60
K.	10A.	Clutch	.40
K.	12.	Wringer stand	3.00
K	13L	Bracket for wringer stand	.25
K.	13R	Bracket for wringer stand	.25
K	15.	Bracket for belt tightener	15
K	16.	Guide for rack bar	15
K	18	Main frame	8 00
K	19	Catch	.25
K	20	Handle for swinging wringer	30
K.	21.	Catch	.25
K.	22.	Catch	25
K	23A	Gear	3 50
K	24.	Caster socket	.25
K.	25	Square sleeve for clutch	.26
K	26	Handle for wringer shift and starting machine	30
K.	28L.	Bracket	25
K	28R	Bracket	25
K.	29.	Frame for shift	25
K.	31.	Clutch	.25
K	32.	Lever	.30
K	33	Square sleeve for double gear	25
K	34	Lever	40
K	35	Lever	25
K	37	Rod end	.15
K	39.	Eccentric	25
K.	41.	Bracket	.40
K.	44	Frame	.80
K	50.	Stud ⅝x2 in.	.20
K.	51.	Stud ⅝x2½ in	.20
K	52	Stud ⅝x3 in	.20
K.	53	Hex head cap screw ⅜x1½ in.	10
K	54	Machine bolt ⅜x1¼ in.	10
K.	55	Set screw ⅜x1 in. .	.10
K.	56.	Set screw ⅜x¾ in.	.10
K.	57.	Faucet	1.20
K.	58	Wringer drive shaft ⅝x23 in.	75
K	59	Coil spring for shifter rod	10
K	60	Shaft ⅝x9½ in two holes	.50
K.	61.	Shaft ⅝x5½ in	30
K	62.	Shaft ½x21 in	.50
K	63	Shaft ⅝x9¾ in. one hole	50
K	64	Hex head machine screw ⅝x1¼ in	.10
K	65	Belt tightener	.20
K	66	Shifter bar ⅛x⅝x11½ in.	.25
K	67.	Shifter bar ⅛x⅞x9 in.	25
K	68	Shaft ⅝x6½ in	.40
K.	69.	Shaft ⅝x5 in	.30
K	70	Flat spring	.15
K.	71	Dasher	90
C	4	Shaft ⅝x3 in. with spring	.25
C	5	½x2¾ in. with spring	25
C	19	Caster .	.30
C.	22.	Rod for wringer shaft	25
C.	30	Wringer frame	3 00
C	310.	Cut gear	.60
C.	311	Cut gear	1 00
C.	319.	Pulley	1.50
C	324.	Cover for wringer frame	1 00
C	329	Bevel gear .	.40
C	331.	Clutch	.25
E.	15.	Bevel gear	.40
	81.	Gear	.40



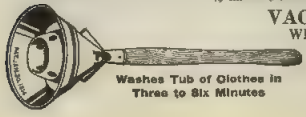
137.	Double gear for wringer drive	$1.00	
138.	Gear	25	
152	Hinges, pair	.25	
167.	Galvanized plunger cap	.60	
187	Shoe	$0 15	
	Wringer roll 12 in. long	3.00	
	Belt	2.00	
	Motor pulley	1.50	

WASHING MACHINE REPAIRS

FOR O. K. BENCH WASHERS



No.		Price
11	Pinion	
26	Clamp	$0.40
27	Clamp plate	.30
135	Small spur gear	.15
136	Large spur gear	.25
137	Wringer shifting gear	.40
138	Bevel gear	1.00
139	Frame, complete with cover, shaft and pinion	.25
141	Sleeve	2.25
147	Guard	.25
152	Hinges, pair	.25
162	Latch	.25
164A	Stand, complete with shaft and pinion	.25
166	Plunger, galvanized	1.20
167	Dasher sleeve	.60
168	Spout, brass, new style	.66
180	Frame for wringer stand—left	1.20
180D	Frame for wringer stand—right	3.00
181	Bracket	3.00
181C	Bracket	.50
182	Large bevel gear for wringer drive	.50
183	Small bevel gear for wringer drive	.40
184	Pulley for power, 4 inch	.40
185	Bracket	1.00
185A	Bracket	.50
186	Frame for double gear	.50
187	Slide or shoe for double gear	.80
188	Guard for double gear	.15
189	Bracket	1.00
190	Pulley for electric	.25
190A	Pulley for power, 6-inch	2.50
191	Grooved wheel	1.50
192	Crank or eccentric shifter	1.50
193	Bracket	.15
194	⅝ shaft x 16½-inch	.50
195	½-in. shaft x 5 in.	.50
196	⅝ shaft x 7¼	.20
197	⅝ shaft x 7¾	.40
198	Steel shifter rod	.40
199	Dasher	.60
232	Lever handle	.90
263	Double gear	.25
	Belt	1.20
	Wringer rolls (each) 12 inches long	1.00
	Galvanized guard for wringer	3.00
	Ball bearing for wringer	.50
	Spiral spring for wringer	.40
	Slotted steel rod 6 ft. 8 in. x ⅜ in.	.40
		2.00



Washes Tub of Clothes in Three to Six Minutes

VACUUM WASHERS

WENDELL COMPRESS

Constructed of heavy tin plate, with steel rod reinforcement where wear is greatest, strong waxed wooden handle.

	Per Dozen
Wendell Vacuum Washers—3 ft. handle, weight per dozen about 30 pounds	$12.00

One Dozen in a Carton.

FIBRE FURNITURE

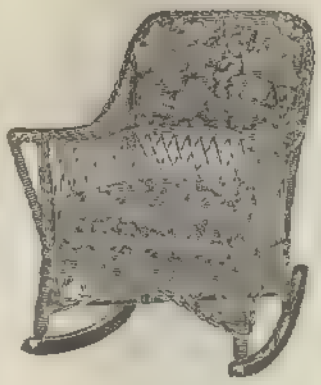
Selected fibre; loose spring; filled cushions; upholstered in a beautiful combination of green, blue and rose, extra quality tapestry, that will harmonize with any kind of furnishings.

CHAIR

Width seat 18 inches; height back 23 inches.

	Each
No. 22FC Baronial brown finish	$44 55
No. 22MC Frosted mahogany finish.	49 50

Packed singly; shipping wt each 30 lbs.



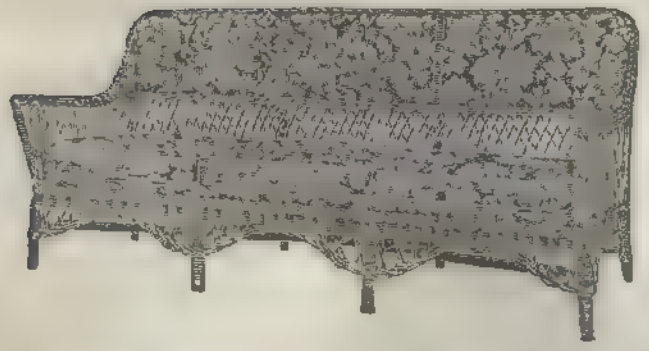
ROCKER

Width seat 18 inches; height back 23 inches.

	Each
No. 22FR—Baronial brown finish	$44 55
No. 22MR –Frosted mahogany finish	49 50

Packed singly; shipping wt each 30 lbs.

SETTEE



Length seat 70 inches; height back 23 inches.

	Each
No. 22FS—Baronial brown finish	$132 00
No. 22MS –Frosted, mahogany finish	147 00

Wrapped singly; shipping wt each 60 lbs.

FIBRE FURNITURE

Hardwood frame, sturdily constructed and throughly braced. Made with a heart of steel; every strand of fibre is built around a steel core that holds it rigidly in place and prevents warping. Finished with special enamel, soap and water can be used freely, without injury.

Spring filled cushions over spring seats, equipped with Nachman spring units insuring maximum comfort and service.

CHAIR

Width seat 24 inches; height back 24 inches.

	Each
No. 407C—Baronial brown finish, upholstered with good quality cretonne in harmonious color combinations	$39 75
No. 407MC—Frosted mahogany finish; upholstered with high grade figured blue and taupe velour	48 00

Wrapped singly; shipping wt each 28 lbs.

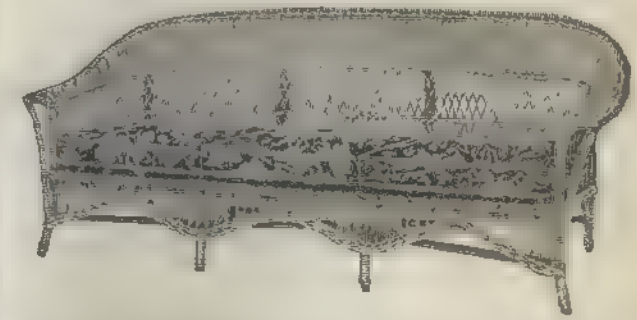
ROCKER

Width seat 20 inches; height back 24 inches.

	Each
No. 407R—Baronial brown finish, upholstered with good quality cretonne in harmonious color combinations	$39 75
No. 407MR –Frosted mahogany finish, upholstered with high grade figured blue and taupe velour	48 00

Wrapped singly; shipping wt each 30 lbs.

SETTEE



Height back 24 inches.

Baronial brown finish, upholstered with good quality cretonne in harmonious color combinations.

	Each
No. 407-5—Length 60 ins; wt each 70 lbs	$115 50
No. 407-6—Length 72 ins; wt each 88 lbs	127 50

Frosted mahogany finish, upholstered with high grade figured blue and taupe velour.

	Each
No. 407M5—Length 60 ins; wt each 70 lbs	$135 75
No. 407M6—Length 72 ins; wt each 88 lbs.	157 50

Wrapped singly.

FIBRE FURNITURE

Hardwood frame, sturdily constructed and throughly braced. Made with a heart of steel; every strand of fibre is built around a steel core that holds it rigidly in place and prevents warping. Finished with special enamel, soap and water can be used freely, without injury.

Spring filled cushions over spring seats, equipped with Nachman spring units insuring maximum comfort and service.

CHAIR

Width seat 20 inches; height back 24 inches.

Each

No. 410C—Baronial brown finish, upholstered with good quality tapestry in harmonious color combinations $51 00

No. 410MC—Frosted mahogany finish, upholstered with high grade figured blue and taupe velour 56 25

Wrapped singly; shipping wt each 27 lbs.

ROCKER

Width seat 20 inches; height back 24 inches.

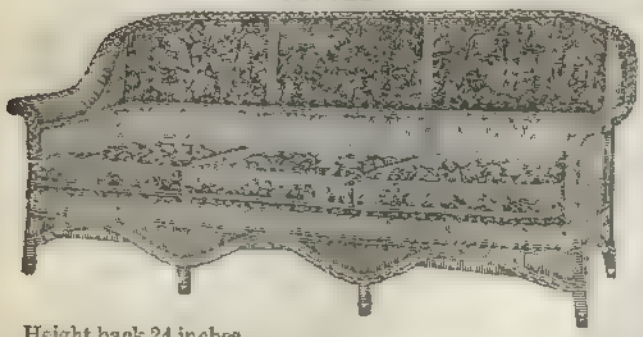
Each

No. 410R Baronial brown finish, upholstered with good quality tapestry in harmonious color combinations $51 00

No. 410MR—Frosted mahogany finish, upholstered with high grade figured blue and taupe velour 56 25

Wrapped singly; shipping wt each 29 lbs.

SETTEE



Height back 24 inches.

Baronial brown finish, upholstered with good quality tapestry in harmonious color combination.

Each

No. 410S-5—Length 60 ins; wt each 75 lbs. $139 50

No. 410S-6—Length 72 ins; wt each 104 lbs 157 50

Frosted mahogany finish, upholstered with high grade figured blue and taupe velour.

Each

No. 410MS-5—Length 60 ins; wt each 75 lbs $141 00

No. 410MS-6—Length 72 ins; wt each 104 lbs 174 00

Wrapped singly.

FIBRE FURNITURE

ROCKER

Selected fibre; loose spring filled cushions; upholstered in a beautiful combination of green, blue and rose extra quality tapestry.

Width of seat 19 inches; height of back 26 inches.

Each

No. 1FR—Baronial brown finish $45 00

Wrapped singly; shipping wt each 30 lbs.

CHAIR

Selected fibre; loose spring filled cushions; upholstered in a beautiful combination of green blue and rose extra quality tapestry.

Width of seat 19 inches; height of back 30 inches.

Each

No. BG18FC—Baronial brown finish $65 25

Wrapped singly; shipping wt each 35 lbs.

ROCKER

Selected fibre; loose spring filled cushions; upholstered in a beautiful combination of green, blue and rose extra quality tapestry.

Width of seat 19 inches; height of back 30 inches.

Each

No. BG18FR—Baronial brown finish $65 25

Wrapped singly; shipping wt each 37 lbs.

FIBRE FURNITURE

ROCKERS

Hardwood frame, throughly braced, covered with selected fibre. Button cushion over spring seat, upholstered with good quality cretonne in harmonious color combinations. Width seat 19 inches; height back 26 inches.

Each

No. 405R—Baronial brown finish $24 75

Wrapped singly, shipping wt each 25 lbs

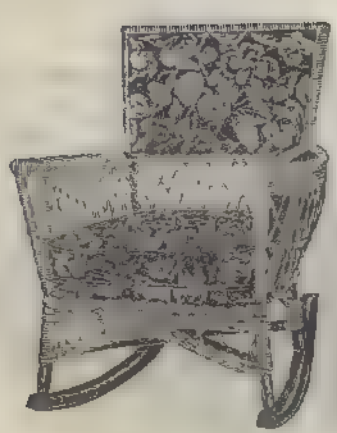
ROCKERS

Upholstered with good quality cretonne in harmonious color combinations. Width seat 19 inches; height back 28 inches.

Each

No. 14FR—Baronial brown finish $39 00

Wrapped singly; ship wt each 35 lbs.



ROCKERS

Hardwood frame, thoroughly braced, covered with selected fibre. Spring filled cushion over spring seat; width seat 20 inches; height back 27 inches.

Each

No. 406R—Baronial brown finish, upholstered with good quality tapestry in harmonious color combinations $41 25

No. 406MR—Frosted mahogany finish, upholstered with high grade figured blue and taupe velour . 49 50

Wrapped singly; wt each 30 lbs.

FIBRE FURNITURE

ROCKERS

Selected fibre; loose spring filled cushions; upholstered with good quality tapestry in harmonious color combinations.

Width of seat 20 inches; height of back 23 inches.

Each

No. 26FR—Dark brown burma finish $64 50

Wrapped singly; ship wt each 32 lbs.

TABLES

—BLUE RIBBON—

A stylish and well built veranda table. Legs are of seasoned hardwood, covered with woven fibre; quarter sawed oak top and shelf.

(Shown also on page 3270)

Each

No. BR3FT—Light baronial brown finish; diam top 24 ins; height 30 ins $24 00

Wrapped singly; shipping wt each 24 lbs.

Oak top; closely woven select fibre shelves and legs. Length 24 inches; width 18 inches; height 28 inches.

Each

No. 2FT—Baronial brown finish $25 50

Wrapped singly; shipping wt each 20 lbs.

Oak top; closely woven fibre legs. Diameter top 20 inches; height 28 inches.

Each

No. 6FT—Baronial brown finish $17 25

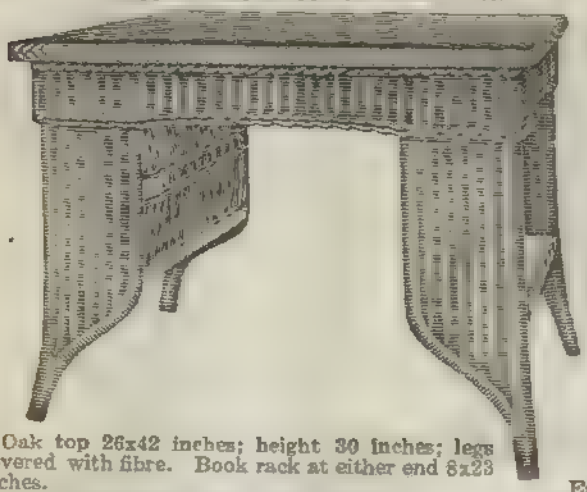
Wrapped singly; shipping wt each 16 lbs.

FIBRE FURNITURE
LIBRARY TABLES

Hardwood frame, thoroughly braced, covered with selected fibre. Birch top 22x36 inches; height 28 inches.

		Each
No. 403T	Baronial brown finish	$34 50
No. 403MT	Frosted mahogany finish	41 25

Wrapped singly; shipping wt each 25 lbs.

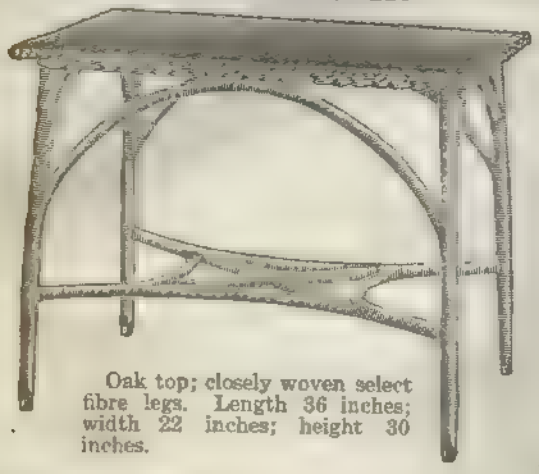


Oak top 26x42 inches; height 30 inches; legs covered with fibre. Book rack at either end 8x23 inches.

		Each
No. 29FT—	Light baronial brown finish	$59 25

Wrapped singly; shipping wt each 60 lbs.

DAVENPORT TABLES

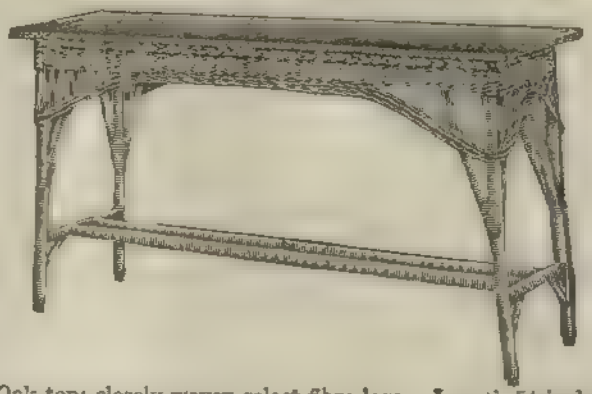


Oak top; closely woven select fibre legs. Length 36 inches; width 22 inches; height 30 inches.

		Each
No. 5FT	Baronial brown finish	$31 50

Wrapped singly; shipping wt each 32 lbs.

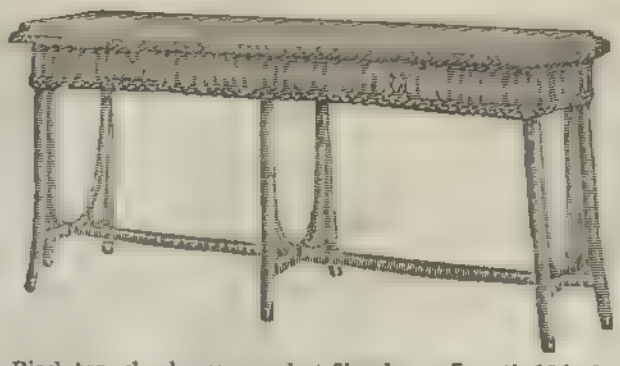
FIBRE FURNITURE
DAVENPORT TABLES



Oak top; closely woven select fibre legs. Length 54 inches; width 16 inches; height 30 inches.

		Each
No. 22FT—	Baronial brown finish	$48 75
No. 22MT	Frosted mahogany finish	56 25

Wrapped singly; shipping wt each 43 lbs.



Birch top, closely woven select fibre legs. Length 66 inches; width 18 inches; height 30 inches.

		Each
No. 23FT—	Baronial brown finish	$65 25
No. 23MT—	Frosted mahogany finish	75 00

Wrapped singly; shipping wt each 61 lbs.

TABLES

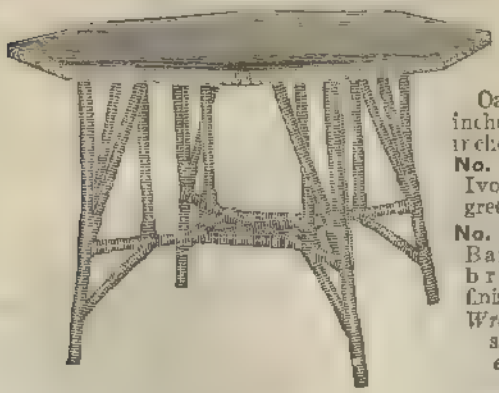
Oak top 16x29 inches; height 28 inches; fibre shelves; legs covered with fibre.

		Each
No. 8G2FT	Baronial brown finish	$32 25

Wrapped singly; shipping wt each 30 lbs.

FIBRE FURNITURE

BREAKFAST ROOM TABLES



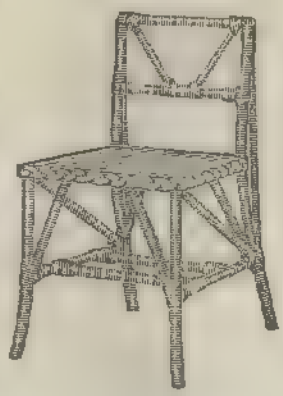
Oak top 42x42 inches; height 29 inches. Each

No. 24IT—Ivory and green finish $48 00

No. 24FT—Baronial brown finish 38 25

Wrapped singly; shipping wt each 45 lbs.

BREAKFAST ROOM CHAIRS



Width of seat 17 inches; height of back 13 inches.

Each

No. 24IC—Ivory andg reen finish $22 50

No. 24FC—Baronial brown finish 17 25

Wrapped singly; shipping wt each 16 lbs.

TEA WAGONS

Selected fibre; removable glass tray; 14 inch wheels with rubber tires; size top 17x23 inches; height 31 inches.

Each

No. BG14FW—Baronial brown finish $45 00

Crated; shipping wt each 35 lbs.

DESKS

Hardwood frame, thoroughly braced, covered with selected fibre. Birch top; height 30 inches. Each

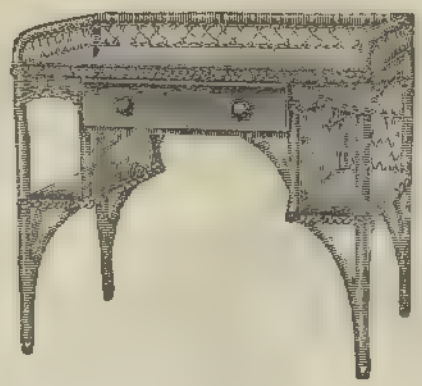
No. 404D—Baronial brown finish; size top 20x32 ins; wt each 40 lbs. $38 25

No. 404MD—Frosted mahogany finish; size top 20x32 ins; wt each 40 lbs. 45 00

Wrapped singly.

FIBRE FURNITURE

DESKS



Birch top 22x36 inches; equipped with one drawer and two book racks. Height 30 inches.

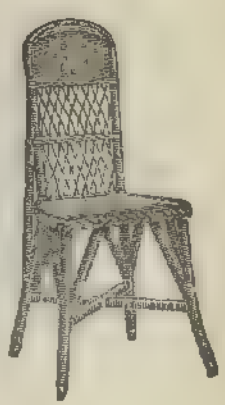
Each

No. 22FW—Barial brown finish $54 75

No. 22MW—Frosted, mahogany finish 64 50

Wrapped singly; shipping wt each 40 lbs.

DESK CHAIRS



Width of seat 15 inches; height of back 20 inches.

Each

No. 022FC—Baronial brown finish $18 00

No. 022MC—Frosted mahogany finish 23 25

Wrapped singly; shipping wt each 15 lbs.

FERN STANDS

Selected fibre; length 28 inches; width 12 inches; height 35 inches. Furnished with galvanized pan 24½ inches long, 7½ inches wide and 6½ inches deep.

Each

No. 13F—Baronial brown finish $25 50

No. 13BF Frosted brown finish 30 75

Wrapped singly; shipping wt each 35 lbs.

FIBRE FURNITURE

FERN STANDS

Hardwood frame; closely woven fibre; length 28 inches; width 12 inches; height 30 inches; furnished with galvanized tank.

Each

No. 23F—Baronial brown finish $15 00
No. 23MF—Frosted mahogany finish.. 18 00

Wrapped singly; wt each 25 lbs.

ROCKERS

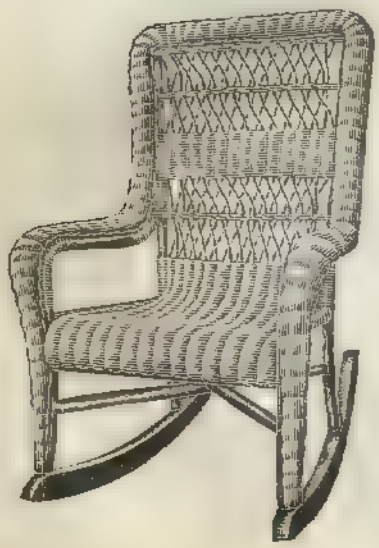
Hardwood frame; closely woven seat, back and arms. Width seat 20 inches; height of back from seat 27 inches.

(Shown also on page 3270)

Each

No. 944RB—Light baronial brown finish $18 00

One in bdle; shipping wt each 16 lbs.



ROCKERS

Hardwood frame; closely woven seat and arms; fancy open work back. Width seat 20 inches; height back from seat 27 inches.

(Shown also on page 3270,

Each

No. 943RB—Light baronial brown finish..... $17 25

One in bdle; shipping wt each 16 lbs.

FIBRE FURNITURE

CHAIR

(Shown also on page 3269)

Each

No. 32FC—Select fibre; dark brown Burma finish; wide arms; seat 20x20 inches; height 33 ins..... $31 50

Wrapped singly; shipping wt each 23 lbs.

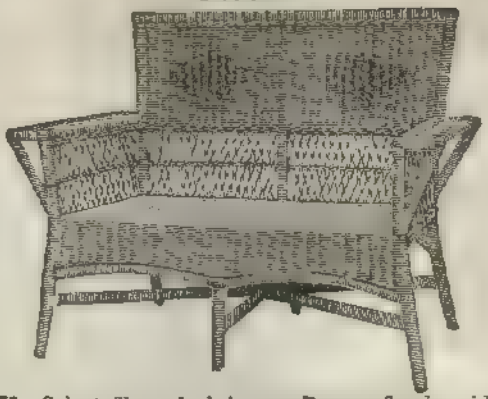
ROCKER

Each

No. 32FR—Select fibre; dark brown Burma finish; wide arms; seat 20x20 ins; height 33 ins $31 50

Wrapped singly; shipping wt each 25 lbs.

SETTEE

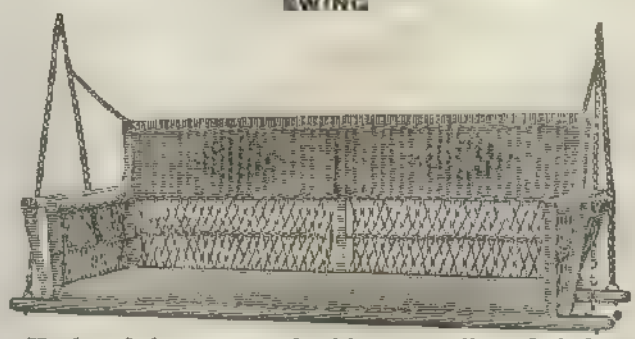


Each

No. 32FS—Select fibre; dark brown Burma finish; wide arms; length seat 40 ins; height 33 ins $49 50

Wrapped singly; shipping wt each 38 lbs

—BLUE RIBBON— SWING



Hardwood frame covered with woven fibre, dark brown Burma finish; complete with chains.

(Shown also on page 3270)

Nos.	32S-4	32S-5	32S-6
Length, ft	4	5	6
Wt each, lbs	47	53	58
Each	$45 75	55 50	65 70

Wrapped in heavy paper.

REGO WELDING AND CUTTING EQUIPMENT

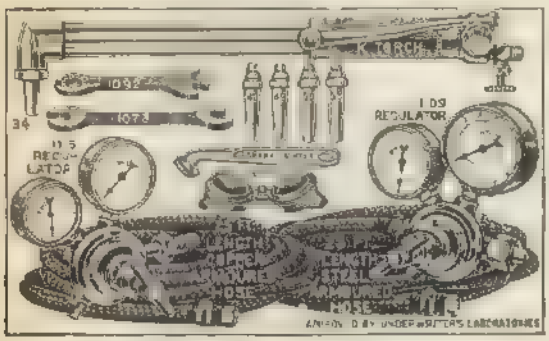
REGO WELDING AND CUTTING OUTFITS

Rego Welding and Cutting Equipment. Quality in workmanship and material are basic principles of Rego equipment, insuring economy of operation, safety, long life, and a perfect flame quality.

Completeness is an outstanding feature of the Rego line. There is a definite equipment for every kind of gas used in the industry, for every class of work and for every price requirement.

Strong, welded steel carrying cases, with compartments to hold torches, regulators, etc., make Rego outfits easily transported from place to place, and protect the equipment from damage when not in use.

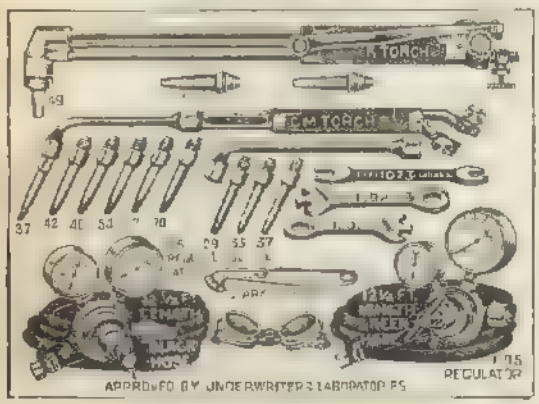
REGO GENERAL CUTTING OUTFIT



Rego No. 1 General Cutting Outfit. For use with medium pressure oxy-acetylene; all cutting up to 12-inch steel. Used in steel mills, foundries, ship yards and general industrial work. Contains all equipment illustrated above. Packed in a strong, welded steel carrying case. Weight, 38 lbs.

Rego No. 1 General Cutting Outfit ....complete **$132 00**

REGO GENERAL CUTTING AND WELDING OUTFIT



Rego No. 1GK General Cutting and Welding Outfit. Contains two separate torches, GM for Welding and K for Cutting. For use with medium pressure oxy-acetylene; range: all welding and cutting up to 3-inch steel. Especially fitted for work in metal lumber mills, machine shops and other places where a two-in-one outfit is desired. Furnished complete as illustrated and packed in handy welded steel carrying case. Weight, 36½ lbs.

Rego No. 1GK General Cutting and Welding Outfit ....complete **$157 00**

REGO GENERAL WELDING OUTFITS

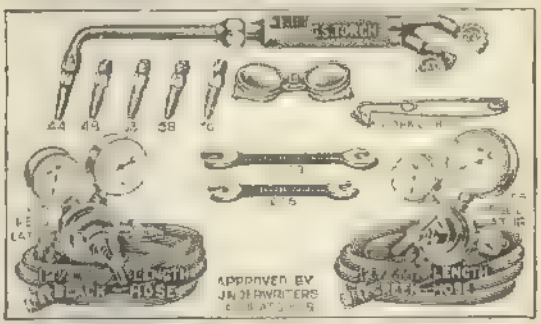
Rego No. 5GMX General Gooseneck Welding Outfit. For use with medium pressure oxy-acetylene; range: general welding up to 3 in. Furnished complete as illustrated.

Rego No. 5GMX General Welding Outfit ..complete **$112 00**

Rego No. 5GM Medium Welding Outfit. Similar to above outfit except GM Torch comes with only 6-inch extension and 6 tips instead of 6 and 12-inch extensions and 9 tips. Welds up to 1-inch steel.

Rego No. 5GM Medium Welding Outfit ..complete **$100 00**

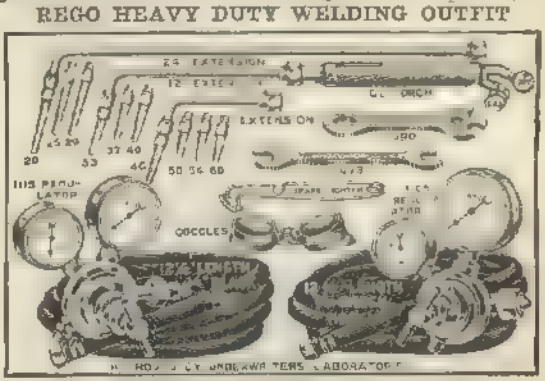
REGO SHEET METAL WELDING OUTFIT



Rego No 5GS Sheet Metal Welding Outfit. For use with medium pressure oxy-acetylene, and for welding up to 3/16 inch thickness. Large regulators give steady, constant supply of gas necessary for production work. Furnished complete as illustrated and packed in welded steel carrying case. Weight, 31 lbs.

Rego No. 5GS Sheet Metal Welding Outfit ..complete **$90 00**

REGO HEAVY DUTY WELDING OUTFIT

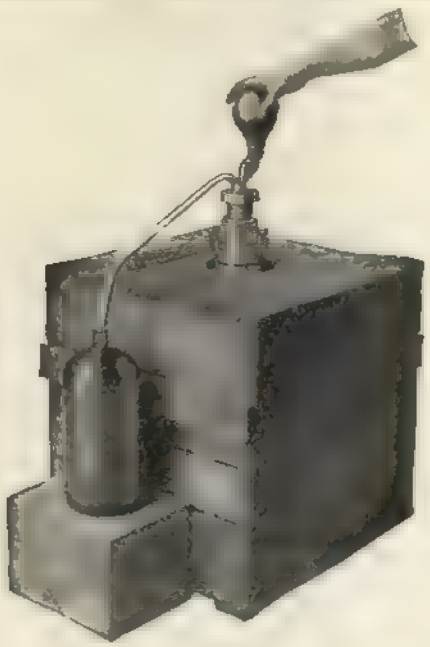


Rego No. 5GL Heavy Duty Welding Outfit. For use with medium pressure oxy-acetylene, and for all welding within the limits of the process. Using the GL torch with 24-inch extension gives a torch 36 inches long, which enables the operator to work on the heaviest preheated jobs with comfort. Outfit contains complete equipment as illustrated above, and packed in steel carrying case. Weight, 37 lbs.

Rego No. 5GL Heavy Duty Welding Outfit ....complete **$132 00**

BATTERY ACID PUMP AND REPAIR TOOLS

THOMPSON'S PNEUMATIC ACID PUMP



Thompson's Pneumatic Acid Pump. Is easily transferred from one carboy to the other. Bracket furnished for hanging up pump when not in use. By use of hand bulb it is impossible to generate a dangerous air pressure.

To operate, the bulb is squeezed, forcing air into the carboy through the valves; this in turn forces the liquid out through the lead pipe which reaches to the bottom of the carboy. When it is desired to stop the flow, the relief valve is pressed upward, which permits the air to escape. Lead overflow pipe has no connection with the valve body, and when withdrawn no acid remains in it. It also serves as a gauge. Fully guaranteed

Thompson's Acid Pump .....complete $7 50

PELICAN PLIERS

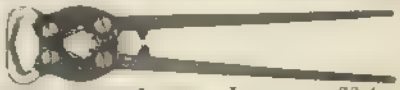
Pelican Pliers. These pliers are not limited to the single operation of lifting the terminal clamp. The wrench on the end of the handle will loosen the clamping nut; the screwdriver on the other handle will spread the terminal clamp; the jaws will grip hexagon nuts, and square and round headed terminal bolts.

Pelican Pliers..... each $0 50

HELLER STORAGE BATTERY REPAIR KIT

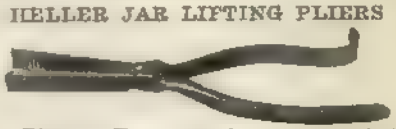
Heller Storage Battery Repair Kit. Consists of one each of the following tools, which are also sold separately.

HELLER E-Z CUTTING BATTERY NIPPER



Heller Nipper. [illegible] Jaws. Leverage, 20 to 1. Special steel forging. Jaws hardened. Lgth., 14 in..each $4 50

HELLER JAR LIFTING PLIERS

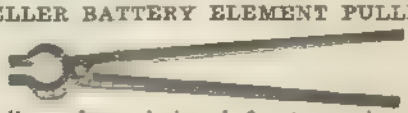


Heller Jar Pliers. For removing storage battery jars. Serrations on inside face of each jaw. Curved handle prevents hand slipping .....each $1 50

HELLER BATTERY TERMINAL TONGS

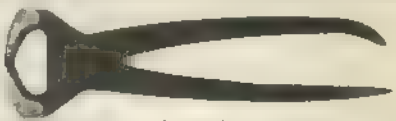
Heller Tongs. Removes corroded cable from terminal. Forged from special tool steel. Lgth., 18 in..each $1 10

HELLER BATTERY ELEMENT PULLER



Heller Puller. Jaws designed for tremendous gripping power on connection post. Lgth., 18 in.....each $0 85

HELLER STANDARD BATTERY PINCERS



Heller Battery Pincers. Length, 8 inches.....each $0 75

HELLER BATTERY KNIVES

Heller Battery Knife. Combines putty, jack knife and other scraping and cutting tools..... each $0 55

Heller Separator Knife. Hook on end of blade grabs separator. Blade sharp on both sides.....each $0 40

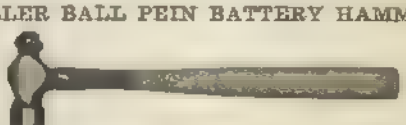
HELLER BATTERY FILE

Heller Float Cut Battery File. 12-inch.....each $0 55

HELLER BATTERY RASP

Heller Flat Battery Rasp. 10-inch .....each $0 85

HELLER BALL PEIN BATTERY HAMMER

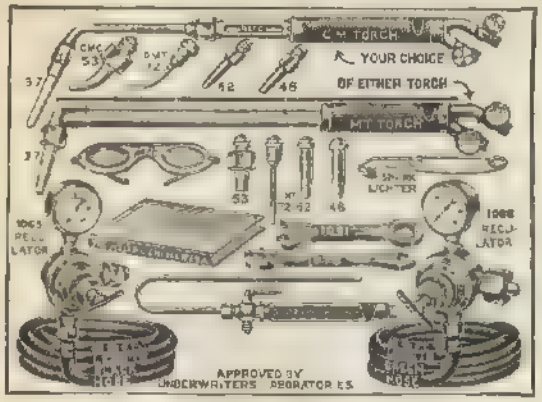


Heller Ball Pein Hammer. Weight, ¾ pound..each $0 95

Heller Battery Repair Kit. Consists of one each of the above tools.....complete $12 00

REGO WELDING AND CUTTING EQUIPMENT

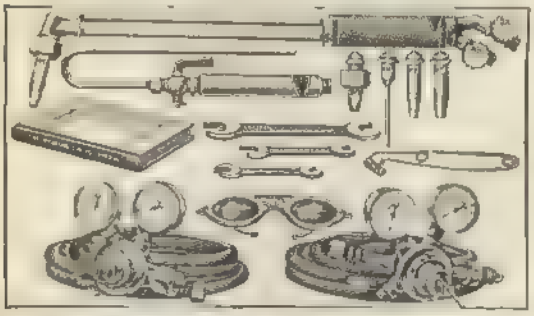
REGO LITTLE SIX AUTO REPAIR OUTFIT



Rego Little Six Auto Repair Outfit. For medium pressure oxy-acetylene. Range: medium welding; cutting up to 1 inch. For small garages and repair shops. Made up of standard Rego equipment. Either the MT tip mixing torch, with 5 tips, or the GM gooseneck torch with 5 tips may be had with this outfit. The MT torch with 5 tips is standard and will be included unless otherwise specified. Furnished complete as illustrated, in steel carrying case. Weight, 17 pounds.

Rego Little Six Auto Repair Outfit.....complete $85 00

REGO LITTLE SIX OUTFIT



Rego Little Six Outfit. Furnished with double gauge regulators (Nos. 1063 and 1086). The same choice of torches is offered as with the Single Gauge Outfit listed above.

Rego Little Six Outfit. (Dble. Gauge. Reg.).complete $74 50

REGO LEAD BURNING OUTFIT

Rego No. 8B Lead Burning Outfit. A complete portable outfit for shops in which the lead burning is not done at a bench, but where the outfit and tanks are taken wherever the job happens to be. Outfit comes complete as illustrated. Weight, 9 pounds.

Rego No. 8B Lead Burning Outfit .....complete $32 00

REGO CARBON BURNING OUTFITS

Rego Carbon Burning Outfits. Burning carbon from engine cylinders by use of oxygen is much quicker and more efficient than the old scraping method, because it is not necessary to remove the cylinder head. Complete as shown. No. 9 Outfit furnished with DS torch; weight, 7 lbs. No. 9A Outfit is same as No. 9 Outfit, except D petcock torch is furnished in place of DS spring valve torch; weight, 7 lbs.

Rego No. 9 Carbon Burning Outfit.....complete $16 50
Rego No. 9A Carbon Burning Outfit.... " 18 00

REGO ACETYLENE SOLDERING OUTFITS

Rego Acetylene Soldering Outfits. For use with acetylene or hydrogen only. The sleeve controlling the air supply makes it possible to adjust size and heat of flame. This is a distinct Rego feature.

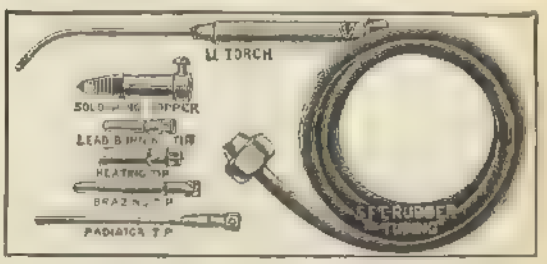
Rego No. 11 Soldering Outfit. Contains large Z-1 torch, 10 feet of corrugated hose, 1065 acetylene regulator. Weight, 4½ pounds.

Rego No. 11 Soldering Outfit.....complete $17 50

Rego No. 11A Soldering Outfit. Contains Z-2 torch, 6 feet corrugated hose and connection for acetylene lighting tank. Weight, 1½ pounds.

Rego No. 11A Soldering Outfit.....complete $ 6 00
Rego No. 11B Soldering Outfit, as illustrated ..... " 20 00

REGO TORIT OUTFIT

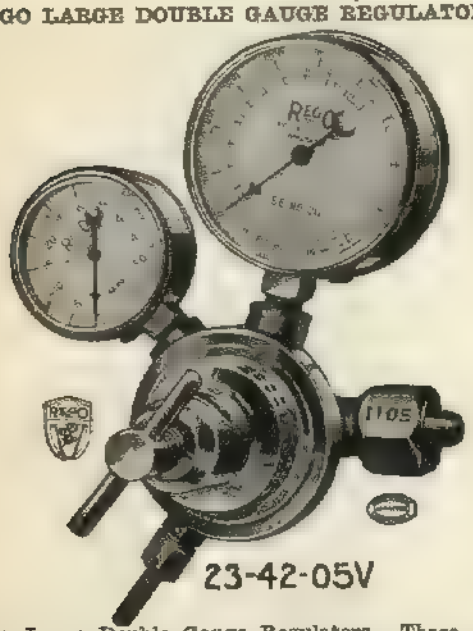


Rego No. 13 Torit Outfit. Uses acetylene only; for soldering, light brazing and similar work. No air pressure required. All of the numerous small heating, soldering and light brazing jobs can be accomplished with this outfit with surprising speed and accuracy. Clean, safe, portable and extremely economical in operation. Furnished complete as illustrated. Weight, 1½ pounds.

Rego No. 13 Torit Outfit..... .....complete $7 50

REGO WELDING AND CUTTING EQUIPMENT

REGO LARGE DOUBLE GAUGE REGULATORS



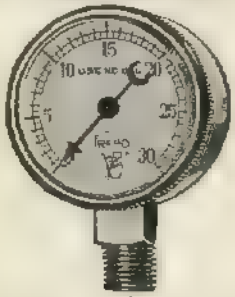
Rego Large Double Gauge Regulators. These gauges deliver an ample supply of gas at a constant, even pressure day in and day out and stands up under the severe demands placed upon them in production shops, job welding, etc. Inlet connections furnished as follows, unless otherwise specified: Oxygen—standard oxygen cylinder; acetylene—P. O. L. welding cylinder; hydrogen—½-inch left hand.

No.	Gas	Capacity, Pounds	Weight, Pounds	Each
1105	Oxygen	0-40	7	$29 50
1109	Oxygen	0-200	7	29 50
1115	Acetylene	0-30	6	21 50
1150	Hydrogen	0-40	7	29 50

When ordering specify tank connection required.

Special regulators for individual installations, and special types of work will be furnished on request.

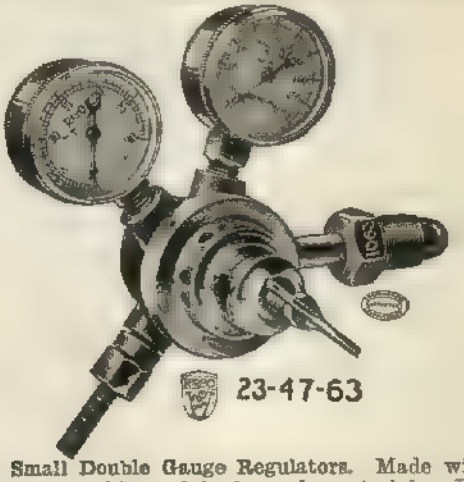
REGO PRESSURE GAUGES



Rego Pressure Gauges. Of best material and workmanship obtainable. Connections are all ¼-inch pipe thread. Heavy beveled plate glass covers are secured to the gauges with coarse thread retaining rings. Safety back and solid face construction on the high pressure gauges prevent accident to the operator.

No.	Pounds	Size, Inches	Weight, Pounds	Each
923	50	2½	15/16	$ 4 60
930	300	3	1	4 90
932	3000	3½	1 13/16	13 20
934	3000	2	9/16	6 25
935	30	2	½	2 50
947	500	2	½	2 50
948	300	2	½	2 50
990	500	3	1	4 90

REGO SMALL DOUBLE GAUGE REGULATORS

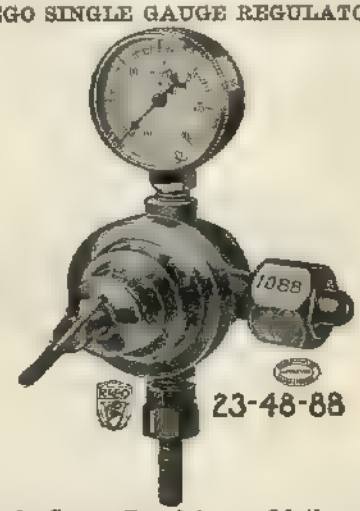


Rego Small Double Gauge Regulators. Made with accurate workmanship and high grade materials. Perfect equipment for the shop that does only occasional or light work. The following inlet connections are furnished, unless otherwise specified: Oxygen, standard oxygen cylinder valve; acetylene, P.O.L. welding cylinder; hydrogen, ½-inch left hand.

No.	Gas	Capacity, Pounds	Weight, Pounds	Each
1086	Oxygen	0-25	3¼	$18 25
1019	Oxygen	0-150	3¼	18 25
1063	Acetylene	0-25	3¼	14 25
1054	Hydrogen	0-25	3¼	18 25

When ordering specify tank connection required.

REGO SINGLE GAUGE REGULATORS



Rego Single Gauge Regulators. Of the same general construction as the double gauge types. The high pressure gauge is omitted. Many operators do not have to consider the amount of gas in the cylinder or the amount of gas used on a particular job. Inlet connections as follows, unless otherwise specified: Oxygen, standard oxygen cylinder; acetylene, P.O.L. welding cylinder; hydrogen, ½-inch left hand.

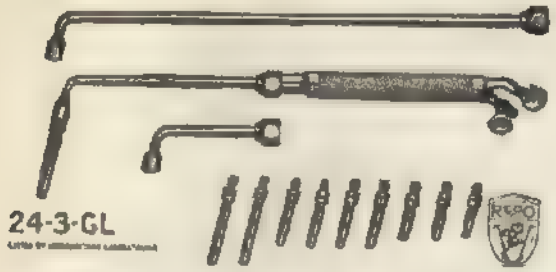
No.	Gas	Size, Inches	Capacity, Pounds	Weight, Pounds	Each
1007A	Oxygen	3	0-40	5	$16 30
1017	Acetylene	3	0-30	5	16 30
1088	Oxygen	2	0-25	2¾	11 80
*1065	Acetylene	2	0-25	2½	11 80

*Lighting cylinder connection.

When ordering, specify tank connection required.

REGO WELDING AND CUTTING EQUIPMENT

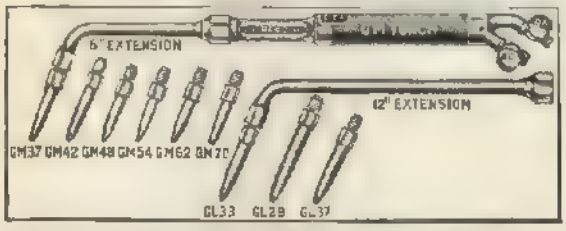
REGO HEAVY DUTY WELDING TORCH



Rego GL Heavy Duty Welding Torch. For heavy preheated castings, locomotive cylinders and frames, large pipe welds and general heavy repair and production work.

GL Torch. No extension or tips. Wt., 2¼ lbs. ..each $23 00
6-Inch Extension Only. For tips 60, 54, 50 and 46. Weight, ½ pound ..each $6 00
12-Inch Extension Only. For tips 40, 37and 33. Weight, ¾ pound ..each $7 65
24-Inch Extension Only. For tips 29, 25 and 20. Weight, 1⅝ pounds..each $9 60
GL Tips. Weight, ¼ pound.. " 2 25
GL Torch. Complete with 3 extensions and 10 tips. Wt., 7½ pounds..complete $68 50

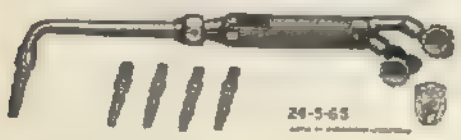
REGO GENERAL WELDING TORCH



Rego GM General Welding Torch. For medium work on iron, steel, copper, bronze and aluminum, such as pipe line welding, automotive repair and production, tank and other medium welding. Length, 20 inches; weight, 25 ounces.

GM Torch. 6-inch extension and 6 GM tips. Weight, 3 pounds ..complete $35 00
GM Tips. Weight, ¼ pound..each 1 95
Special 12-Inch Extension. For general welding. Weight, ¾ pound..each $7 25
GM Torch. 12-inch extension and 3 GL tips. Weight, 3¼ pounds..each $31 00
GL Tips. For use with 12-inch extension. Weight, ¼ pound .. each $2 25
GM Torch. 6-inch and 12-inch extension and 9 tips. Wt., 4½ pounds..complete $48 00

REGO LIGHT WELDING TORCH



Rego GS Light Welding Torch. A small handy torch especially popular for light production work, such as welding small tanks, electrical and auto parts up to 5/16 inch in thickness.

GS Torch, 5 tips. Weight, 1¾ pounds. (Weight of torch, only, 1 pound.)..complete $25 00
GS Tips, 5. Weight, 1/16 pound.. " 1 50

REGO MEDIUM WELDING AND CUTTING TORCH

Rego MT Torch. For use with medium pressure oxy-acetylene. Range: Welding and cutting up to 1 inch.

No. MT Torch, 5 tips. Weight, 2½ lbs..complete $28 50
No. MT Torch, without tips. Wt., 1½ lbs....each 18 50
No. MT Tips. Weight, 3/16 pound.. " 2 00
No. CMT Cutting Tips. Weight, 3/16 pound.. " 3 00
No. RMT Tips. For radiator repair work, etc. Weight, ⅛ pound..each $1 75

REGO SPECIAL PRODUCTION TORCHES

Rego "Special Production" Torches. With the special production torch the valves need be adjusted only once. When through with an operation a touch of the thumb releases the catch—and both gases are shut off simultaneously.

These torches use the same tips and extensions as the regular GM and GS models.

GMA Torch, with 6-inch extension and 6 GM tips. Wt., 2 pounds..complete $45 00
GMA Torch, with 6 and 12-inch extensions and 9 tips. ..complete $58 00
GSA Torch, with 5 tips. Weight, 1½ lbs. " 35 00

REGO LEAD-SHEET METAL WELDING TORCH

Rego Lead-Sheet Metal Welding Torch is a light, handy torch with an exceptionally wide range of flames. Any size flame from a wide, soft brush to an intensely hot needle point can be obtained with a touch of the thumb. The long taper-drilled tip gives just the kind of flame needed for fast work.

No. H Torch, with tips 76, 72, 65 and HR72 for oxy-acetylene. Weight, ¼ pound..complete $7 00
No. H Torch, with tips 65, 60, 55 and HR53 for oxy-hydrogen. Weight, ¼ pound..complete $7 00
No. H Torch, with tips 55, 45, 38 and HR53 for oxy-city gas. Weight, ¼ pound..complete $7 00
No. H Torch and HC45 Compressed Air City Gas Tip. Weight, ¼ pound..complete $6 30
No. H Tips, Nos. 72 and 38, inclusive. Weight, 1/64 pound..complete $0 25
No. H Tips, Nos. HR53 and HR72 .. " 35
No. HC45 Tips. Weight, 1/32 pound.. " 1 00
When ordering, specify gas to be used.

REGO WELDING AND CUTTING EQUIPMENT

REGO ACETYLENE GENERATORS

Rego Automatic Acetylene Generators are indispensable to the shop in localities in which a supply of tank or dissolved acetylene is not readily available.

The Rego Generator produces clean, cool acetylene for only 1¼c per cubic feet, which is about ⅛ of the cost of acetylene when purchased in tanks.

Absolutely Safe—Rego Generators have a 20% over water capacity, so that an overload up to 100% can be carried without overheating. When refilling the generator, the water goes in through the flash back chamber, making it impossible to forget to fill it, and insuring that no flash back can ever reach the generator proper.

Positive automatic and hand blow off valves are provided which are so connected that the vents can be run out of the building with one pipe. A locking device makes it impossible to refill without locking the carbide feed

After the Rego Generator is filled with carbide and water and the lock is released, no attention is necessary. The carbide is automatically dropped into the water, and the gas generated just as fast as it is used. The feed mechanism is operated by the most dependable device known—a weight motor.

The feed motor governor and diaphragm control are directly connected without the use of levers. The simplicity of the controlling devices and the accuracy with which they are made result in an absolutely uniform pressure being maintained at all times.

The Rego Generator uses the ¼x1 1/2-inch (pea size) carbide, which is the size that gives the highest gas yield per pound.

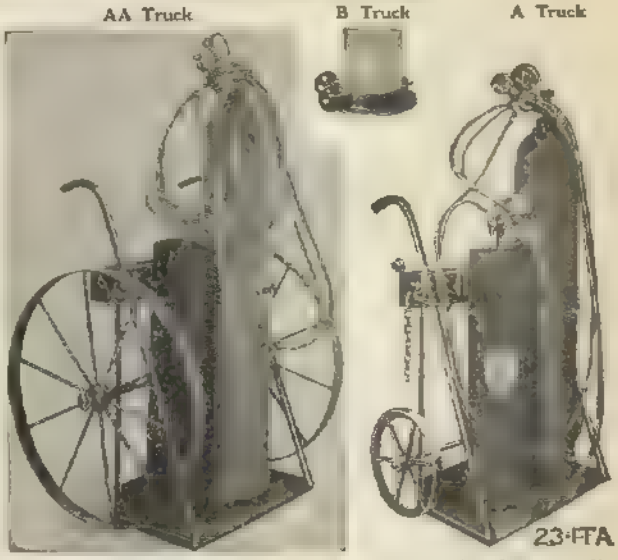
Capacity Lbs. Carbide	Gas per Hr.	Gas per Charge	Weight	Complete
25	25 cu. ft.	125 cu. ft.	196 lbs.	$175 00
50	50 cu. ft.	250 cu. ft.	225 lbs.	225 00
100	100 cu. ft.	500 cu. ft.	353 lbs.	350 00
200	200 cu. ft.	1,000 cu. ft.	850 lbs.	750 00
300	300 cu. ft.	1,500 cu. ft.	1,000 lbs.	900 00

REGO AIR-BLAST KEROSENE BURNER

Rego No. 10K Air-Blast Kerosene Burner. Develops a 10-inch flame which will heat an auto frame to a cherry red in five minutes, and is a splendid investment for reclaiming damaged and bent auto parts, such as axles, frames and shafts. Burns 3 quarts of low grade kerosene per hour. Tank capacity, 1½ gallons. Weight, 10 pounds.

Rego No. 10K Kerosene Burner.
Each $15 00

REGO TANK TRUCKS



Rego AA Two-Tank Truck is very popular because its large 30-inch wheels make transportation over rough ground a simple matter.

Rego AA Truck. Weight, 75 pounds.....each $22 00

Rego A Two-Tank Truck with wheels 13 inches in diameter is excellent where the outfit is used in a shop with a smooth concrete or board floor.

Rego A Truck. Weight, 57 pounds.....each $16 50

Rego B Tank Truck provides means of moving one 200 foot oxygen or hydrogen cylinder for carbon burning or balloon filling jobs.

Rego B Truck. Weight, 16½ pounds.....each $4 50

REGO AIR-BLAST KEROSENE BURNERS

Rego No. 9K Burner develops an intensely hot flame 3 feet long, with sufficient volume of heat to heat shafts, gears and castings of practically any size for welding, straightening or expanding. One hose is dropped into a pail of kerosene, the other connected to an air line of 90 pounds pressure. Uses about 2½ gallons of kerosene—or half and half kerosene and crankcase drainings—per hour.

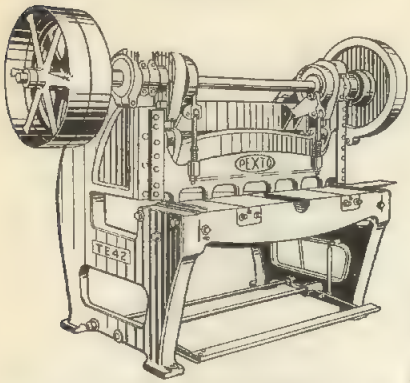
Comes complete with burner, stand, 12½ feet air hose and 5 feet oil hose.

No. 9K Burner. Weight, 26 pounds... complete $30 00

No. 9K Burner Only, less stand and hose ..each 22 50

Power Squaring Shears

With 15-inch Gap



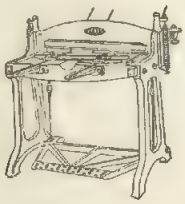
Capacity ⅛-Inch Iron and Lighter

Number	TE 36	TE 42	TE 48	TE 60
Shipping Weight approx. lbs.	3900	4100	4300	4700
Length Cut inches	36	42	48	60
Depth Gap in Housings inches	15	15	15	15
Horsepower required maximum	3	3	4	4
Ratio of Gearing	5⅛:1	5⅛:1	5⅛:1	5⅛:1
Price	$1560.	$1640.	$1700.	$1930.

Note—Furnished complete with one pair Long Front Arms and complete Gauge Equipment.

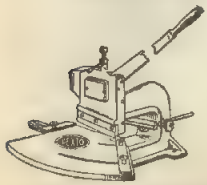
Foot Squaring Shears

Capacity No. 18 Gauge and Lighter



Number	122D	132D	137D	142D
Shipping Weight lbs.	375	540	650	800
Length Cutting Blades inches	22	30	36	42
Price	$170.	$190.	$250.	$323.

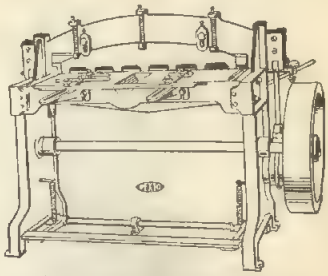
Slitting Shears No. 248A



Weight, app. lbs.	165
Length Blades, ins.	6½
Depth Cutting Head to Gauge, inches	9½
Depth Cutting Head to Frame, Inches	10
Table, inches	12x15½
Price	$130.00

Capacity—No. 248A 18 Gauge Iron and Lighter

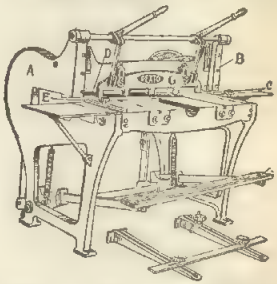
Power Squaring Shears



Capacity—No. 18 Gauge and Lighter.

	210A	211A	212A	213D	214D	215D
Shipping Weight lbs	1185	1300	1400	1680	1740	2100
Length Cutting Blade inches	30	36	42	52	72	72
Price	$600.	$620.	$670.	$720.	$810.	$900.

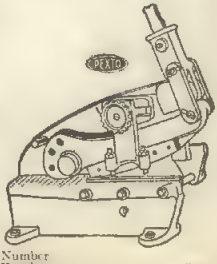
Foot Squaring Shears—Gap



Capacity—No. 16 Gauge Iron and Lighter

Number	XC 36	XC 42	XC 52
Shipping Weight app. lbs.	1600	1700	1900
Length Cutting Blades inches	36	42	52
Depth Gap in Housings inches	18	18	18
Price	$500.	$570.	$710.

Slitting Shears

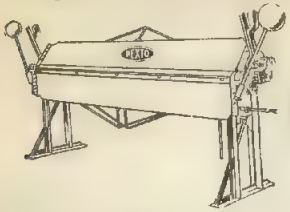


Capacity—No. 10 Gauge Iron and Lighter.

Will cut Bar Iron ¼x1½ inches. No. R0296 will cut Rods up to ½ inch diameter.

Number	0296 Plain	R0296 With Rod Cutter
Weight lbs.	185	190
Length Blades inches	10	10
Price	$120.00	$140.00

Chicago Steel Cornice Brakes

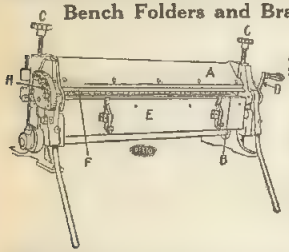


Capacity—No. 18 Gauge Iron and Lighter

Number	1000	1001	1002	1003
Shipping weight approximately lbs	750	800	1000	1900
Length, inches	61	73	97	121
Price	$260.00	$290.00	$330.00	$600.00

Note—Furnished with one Forcing Bar and five formers for making circular and semi-circular bends

Bench Folders and Brakes



Capacity — No. 20 Gauge Iron and Lighter

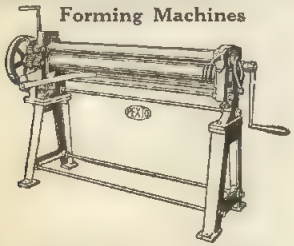
Will form 1/16 to 1-inch locks on heavy iron

Will form 1/16-inch locks on light material.

Number	606	607
Shipping weight, approximately, lbs	430	500
Length, inches	36	42
Price	$260.00	$290.00

Note—Furnished regularly with folding blade for sharp or closed locks and adjustable front and rear gauges. Extra blades for forming open or wire locks can be furnished at an extra cost.

Forming Machines



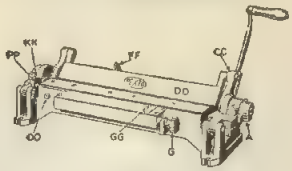
Capacity—No. 14 Gauge Iron and Lighter

Number	415C	416C	417C	418C
Shipping Weight, approximately, lbs	480	540	600	600
Length Rolls, inches	31½	37½	43½	49½
Diameter Rolls, inches	3	3	3	3
Ratio Gearing	3 to 1	3 to 1	3 to 1	3 to 1
Price without Legs	$210.00	$222.00	$244.00	$260.00

Capacity—No. 12 Gauge Iron and Lighter

Number	424C	425C	426C	427C
Shipping Weight, approximately lbs	780	865	950	1030
Length Rolls, inches	37	43	49	55
Diameter Rolls, inches	4	4	4	4
Ratio Gearing	5 to 1	5 to 1	5 to 1	5 to 1
Price with Iron Floor Legs	$380.00	$400.00	$425.00	$460.00

Bar Folding Machines



Capacity—1/16 inch Locks and wider No. 22 Gauge Iron and Lighter.

Capacity—1/16 inch Locks and wider No. 24 Gauge Iron and Lighter.

Capacity—1/32 inch Locks and wider No. XX Tin

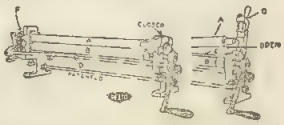
Number	62B	63B
Shipping Weight, approximately pounds	125	220
Length, inches	20¾	30
Will form Closed and Open Locks, inches	1/8 to 1	1/8 to 1
Will form Open Locks to receive a Wire up to, inches	¼	¼
Price	$110.00	$130.00

Large Bar Folding Machines

Capacity—20 Gauge and Lighter.

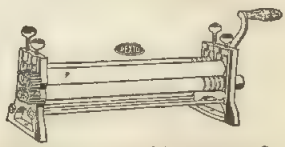
Number	055	058
Price	$196.00	$340.00
Weight, pounds	365	415
Length, inches	37	42
Will form Closed and Open Locks, inches	1/8 to 1	1/8 to 1½

These Folders, recently improved, have been giving universal satisfaction for a great many years. They are intended for forming the edges of sheet metal at various angles. They will produce closed locks as well as open or round locks for inserting a wire in the flat sheet.

Forming Machines—Slip Roll

Number	382A	381A	0381A	390A	400A
Shipping weight, approximately, lbs	165	180	200	350	300
Length Rolls, inches	31	37	43	37	31
Diameter Rolls, inches	2	2	2	2½	2½
Gripping Rolls open, inches	½	½	½	½	½
Price	$67.00	$73.50	$86.00	$174.00	$160.00

Nos. 390A and 400A back geared 8 to 1.

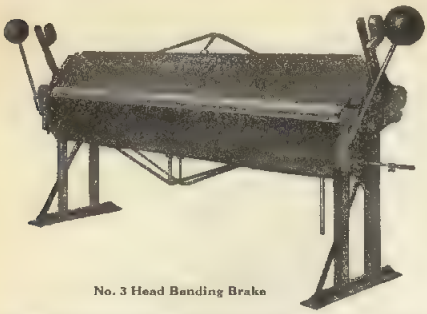
Forming Machines



With Machine Cut Steel Compensating Gears

Number	0372	372	373	380
Shipping Weight, approximately pounds	185	165	140	60
Length Rolls, inches	43	37	31	20½
Diameter Rolls, inches	2	2	2	1½
Price	$67.00	$60.50	$50.00	$46.00

Can also furnish No. 355 series plain Formers with 2 cast gears at a lower price than above machines.



No. 3 Head Bending Brake

Chicago Steel Bending Brakes

Hand Power

Constructed of steel throughout. These brakes are light weight but strong and rigid.

They are adapted to a large variety of work, such as Cornice, Gutter, Square and Octagon pipe. Skylights, flashing, ridge roll, roofing, ventilating, furnace, auto radiator, fender and body, soda fountains, tanks, corrugated drain board, etc. Steel castings and drop forgings are used for hinges and other parts subject to strain. They will stand continuous hard usage without breaking and will not spring or warp.

They embody such features as, one man operation, light weight, quick action, wide opening jaws, provision on ends for flanges and bending edge for forming as small as ¼ inch reverse bends.

Each end clamps independently on brakes over four feet long. Top jaw opens wide and adjustment is provided for clamping pressure. Bending leaf is perfectly balanced which affords easy operation. Provision is made on both ends for bending work on which a crosswise flange has been bent. Set screws provide adjustment of upper jaw forward and back for light or heavy material and sharp or rounding bends. Special manganese steel bending edges withstand wear and maintain extreme accuracy under continuous hard use. Bars on bending leaf are removable to allow for forming reverse bends as narrow as ¼ inch. This is unquestionably the most satisfactory and popular hand bending brake made.

Descriptions and Prices

No	Length	Capacity	Price	No.	Length	Capacity	Price	No.	Length	Capacity	Price
1	12′ 1″	18 gauge	**$600.00**	2C	8′ 1″	14 gauge	**$300.00**	4C	5′ 1″	18 gauge	**$130.00**
1B	10′ 1″	14 gauge	**420.00**	3	8′ 1″	16 gauge	**225.00**	5	4′ 1½″	14 gauge	**150.00**
2	10′ 1″	16 gauge	**350.00**	4	8′ 1″	18 gauge	**165.00**	6	4′ 1½″	16 gauge	**115.00**
2B	10′ 1″	18 gauge	**300.00**	3B	6′ 1″	16 gauge	**185.00**	5B	3′ 1½″	14 gauge	**125.00**
2A	10′ 1″	20 gauge	**270.00**	4B	6′ 1″	18 gauge	**145.00**	6B	3′ 1½″	16 gauge	**100.00**

Rated capacities are for mild sheet steel and for bending a flange of 1 inch or wider on sheets of full capacity. Narrower flanges are bent on lighter metal in proportion. Narrow flanges on heavy sheets, hard metals and special bending call for special consideration. It should be born in mind that narrow flanges cannot be bent on full length sheets of rated capacity.

Standard Equipment. The above sizes are regularly furnished with ¼ inch detachable steel bar on apron; angle bar for heavy bending; improved adjustable stop gauge for regulating angle of bends. Five moulding formers and clamps and wrenches to fit adjustable parts.

Special gauges, attachments or changes in construction will be charged extra. Foot treadle attachment can be supplied at the following extra prices on 3 and 4-foot brakes, **$30.00**; 5 and 6-foot, **$35.00**; 8-foot, **$45.00**; 10-foot, **$50.00.**

Chicago Steel Slitting Shear

The Easiest to operate, Strongest and most Durable Bench Shear.

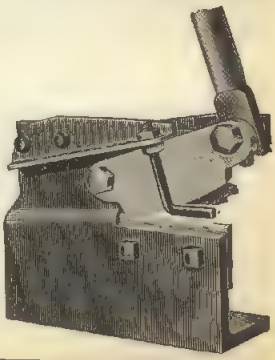
Indispensable for slitting sheet steel and for cutting steel bars, band iron, brake band lining, belting, etc.

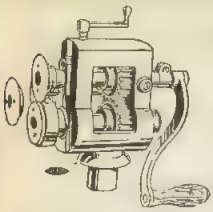
Pressed Steel Construction. Shear blades made of highest grade crucible steel. Equipped with adjustable hold-down. All parts interchangeable.

Capacity 3/16 in. x 2 in. Bars—10 Gauge Sheets.

Weight.....22 pounds

Price, each..... **$12.50**

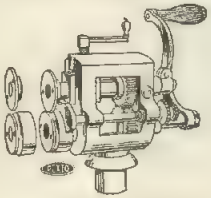




Burring Machines

Capacity—No.22 Gauge Iron and Lighter

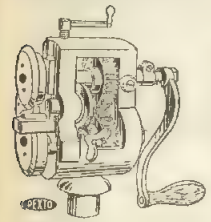
Number	Small 576A	Large 577A
Shipping Weight. approx.... lbs.	21	25
Diam. Rolls, .ins.	1⅛	2⅛
Widest Flange or Burr that can be Turned, .inches	⅜	¼
Price with one Extra Upper Roll and Standard.....	$34.	$38.
Price with one Extra Upper Roll without Standard	$32.	$36.



Turning Machines

Capacity—No.22 Gauge Iron and Lighter.

Number	Extra Small 540	Small 541	Large 542
Shipping Weight.....approximately lbs.	22	25	31
Diameter Rolls.....inches	1⅛	2⅛	3
Smallest Wire that can be used.....Gauge	10	10	8
Largest Wire that can be used.....Gauge	7	7	4
Price with one Extra Pair of Thick Turning Rolls and Standard	$40.	$40.	$46.
Price with one Extra Pair of Thick Turning Rolls without Standard	$38.	$38.	$44.



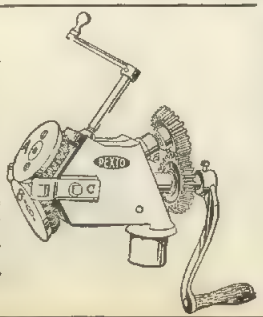
Wiring Machine No. 525A

Capacity—No.22 Gauge Iron and Lighter.

"A"

Forming Roll Gauge Not Furnished Unless Specified

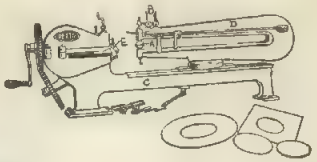
Shipping Weight..... approximately lbs.	31
Diameter of Rolls inches	3
Will receive Wire up to .. Gauge	0
Price with Standard.....	$46.
Price without Standard.	$44.



Setting Down Machine No. 561C

Capacity—No. 24 Gauge Iron and Lighter.

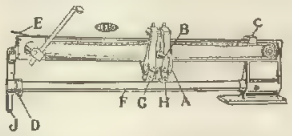
Shipping Weight 50 lbs.
Capacity Gauge Iron and Lighter...No.24
For Seams up to ¾ ins.
Price with Standard .....$56.
Price without Standard.....$54.



Ring and Circular Shears

Capacity—20 Gauge and Lighter

Number	298	299
Shipping Weight.....approximately lbs.	195	200
Diameter Cutters.....inches	1½	1½
Depth Cutting Head to Gauge..... inches	9⅛	9⅛
Depth Circle Arm .....inches	16¼	30½
Will circle from Square Blanks .....inches	3½ to 22	3¼ to 42½
Will cut Rings small as (inside dia.) .inches	2¼	3¼
Will cut Rings large as (outside dia.) inches	22	42½
Price.....	$140.	$180.

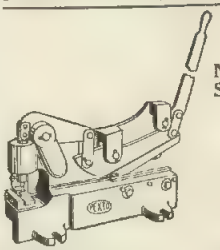


No. 502 Grooving Machines

Capacity—No. 24 Gauge Iron and Lighter

Shipping Weight. .. .. approximately lbs.	200
Will Groove Work Length. inches	30
Diameter of Smallest Pipe that can be Grooved inches	2
Price. ...	$130.

Note—Rolls are furnished, as each, with ¼, ⅜ and ¾-inch grooves and one Flattening Roll

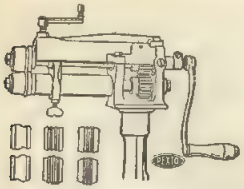


No. 679 Combined Shears and Punch

Furnished with one combination die and five punches:

⅛, 3/16, ¼, 5/16 and ⅜ inch

Shipping Weight. .. .. .

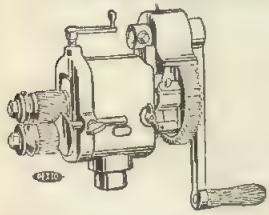


Beading Machine No. 620

Capacity—No. 24 Gauge Iron and Lighter

Shipping Weight	approximately lbs.	50
Depth Throat to Frame	inches	6 1/4
Depth Throat to Gauge	inches	5 1/2
Diameter of Rolls	inches	1 5/16
Width of Rolls	inches	1 1/8
Price with Standard		$56.

Note—Furnished with four pairs Rolls; one pair each Ogee 1/4 inch, triple 3/16 inch, single 1/4 inch and 5/16 inch.

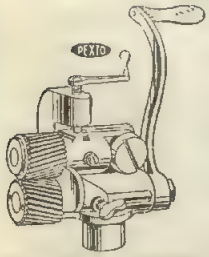


Crimping and Beading Machines

Capacity—20 Gauge Iron and Lighter

Number	585A	0585A
Shipping Weight lbs.	65	65
Diameter Beading Rolls inches	1 5/16	1 5/16
Diameter Crimping Rolls inches	1 5/16	1 5/16
Width Crimp Rolls inches	1 3/4	1 3/4
Width Bead Rolls inches	1	1
Size Ogee Bead inches	1/4	1/4
Ratio Gearing	3:1	3:1
Distance between Shaft Centers inches	1 3/4	1 3/4
Price complete with Standard	$50.	$.82

Note—585A has Spiral Crimp 0585A has Straight Crimp



Stove Pipe Crimper

Capacity—No. 26 Gauge Iron and Lighter.

Number	589	0589
Weight lbs.	24	24
Price with Standard	$24.	$24.

Note—589 has Spiral Crimping Rolls. 0589 has Straight Crimping Rolls.

Bench Plates

Cast Iron

Number	980	981	982
Weight lbs.	85	46	31
Length inches	48	37 1/2	30
Width inches	12	8	8
Price	$26.50	$18.50	$13.00

Stakes

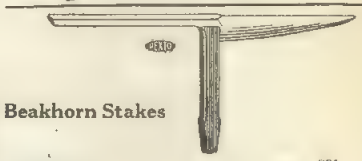
Wrought Iron with Steel Faces

Bevel Edge Square Stake Nos. 931-932 | **Coppersmiths' Square Stake No. 935** | **Square Stake Nos. 936-938-939**

Number	931	932	935	936	938	939
Weight, lbs.	16	14	11	11	14	8
Size Face, in	3x5	2 1/2x4 1/2	2 3/4x4 1/4	2 3/4x4 1/2	3x5	1 3/4x2 1/2
Price	$20.00	$18.00	$16.00	$13.00	$18.00	$10.00

Hatchet Stakes

Number	941	943	944
Weight, lbs	14	8 1/2	6 1/2
Length Blade, in	16	13	11
Price	$18.00	16.00	14.00



Beakhorn Stakes

Number	901	904
Weight, pounds	46	27
Round End, Length, inches	6 1/2	14
Flat End, Length, inches	21	19
Width of Flat End, Tapers, inches	2 1/2 x 1 7/8	2 x 1 1/8
Diameter Round End at Smallest Point, inches	3/4	5/8
Diameter Round End at Largest Point, inches	2 3/4	2
Price	$46.00	43.00

Blow Horn Stake No. 925

Weight, pounds	14
Large End, Length, inches	9
Small End, Length, inches	18
Diameter Small End at Wide Point, inches	1 1/2
Diameter Small End at Narrow Point, inches	3/4
Diameter Large End at Wide Point, inches	4 3/4
Diameter Large End at Narrow Point, inch	1 1/2
Price	$26.00

Cast Hollow Mandrel Stakes

Number	910	911
Weight, pounds	60	108
Entire Length, inches	40	60
Length, Flat Part, inches	9	12
Width, Flat Part, inches	6	7
Length, Oval Part, inches	31	48
Size, Oval Part Radius of Circle, inches	2	2 1/2
Price	$20.00	$36.00

Tinners Hand Tools—Miscellaneous

Hollow Punches

Forged Steel

Price all sizes to and including 1¾ inch in diameter . . . . . per inch **$2.10**

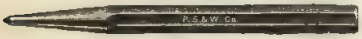
Price sizes larger than 1¾ inch up to and including 3½ inches . . . . . per inch **2.60**

Sizes ¼ to 1½-inch packed ½ doz. in carton. Larger sizes packed as ordered.

Note.—Hollow punches ordered in 16th sizes will take the list of next size larger punches in 8ths.

Solid Punches

Solid Punch



Prick Point

Nos.	Prick	00	0	1	2
Length . . . inches	4½	5	5	4¾	4¾
Size of Face, diam., . . . inches		.335	.305	.270	.250
For Rivets . . . lbs.			16	14	12
Price . . . each	$0.20	$0.25	$0.25	$0.22	$0.22
Nos		3	4	5	6
Length . . . inches		4½	4½	4½	4½
Size of Face, diam. . . . inches		.225	.213	.188	.163
For Rivets . . . lbs.		9-10	7-8	4-5-6	3-3½
List . . . each	$0.20	$0.20	$0.20	$0.20	$0.20
Nos.	7	8		9	10
Length . . . inches	4½	4½		4½	4½
Size of Face, diam., . . . inches	.145	.128		.114	.093
For Rivets . . . lbs.	2-2½	1¼-1½-1¾		¾-⅞-1	½-⅝
List . . . each	$0.20	$0.20		$0.20	$0.20

Solid Punches, Assorted

0	1	2	3	4	5	6	7	8	
1	1	1	1	1	2	2	2	1	each

Price for Assortment, $2.60

Hand Groovers

Blued Body, Polished and Hardened Head

Forged from a special, tough, high-grade steel

Number	0000	000	00	0	1	2
Size Groove in.	19/32	11/32	7/16	3/8	11/32	5/16
Weight, lbs. ea.	1½	1½	1¼	1¼	1¼	1¼
List . . . . . each	$2.25	$2.25	$1.30	$1.30	$1.15	$1.15
Number	3	4	5	6	7	8
Size Groove in.	9/32	7/32	5/32	1/8	7/64	3/32
Weight, lbs. ea.	1	1	¾	¾	¾	¾
List . . . each	$1.10	$1.10	$1.10	$1.10	$1.10	$1.10

Socket Scratch Awl

Forged Steel—Length of Steel 6 inches

No. 1—Forged steel, Polished, plain handle; weight 1¾ lbs. List per dozen **$4.00**

No. 15—Forged steel, gun metal finish, cherry handle. Weight 1¾ lbs. List per dozen . . . **4.90**

Rivet Sets and Headers

Forged Steel Gunmetal Finish

Size	00	0	1	2	3
Size Hole . . . . inches	5/16	9/32	1/4	.2130	.1910
Size Drill . . Gauge No.	5/16	9/32	17/64	3	11
For Iron Rivets . . . lbs.	14	10,12	7,8	6	4,5
For Copper Rivets . . . . . Nos.		5	6	7	8
For Copper Rivets . . . . . inches		1/4	7/32	3/16	5/32
Price . . . . . each	$1.05	$1.05	$0.90	$0.90	$0.70
Size	4	5	6	7	8
Size Hole . . . . inches	1660	1495	.1405	1285	.1100
Size Drill . . Gauge No.	19	25	28	30	35
For Iron Rivets . Lbs.	2½,3	1¾,2	1½	1,1¼	10,12 oz
For Copper Rivets Nos.	9	10	12	13	14
For Copper Rivets . in.	3/64	1/8	7/64	3/32	3/32
Price . . . . . each	$0.70	$0.55	$0.55	$0.50	$0.50

Handy Seamer

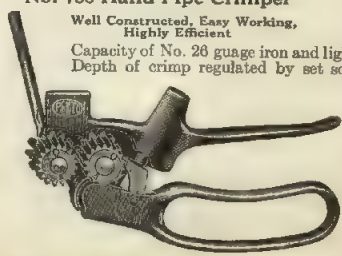
Weight, 1 lb. Length blade, 8½ in. Width blade, ⅞ in. Size over all, 7¼x3½ in. Adjustable to seam widths, 5/16 to 3/8 in.

Price, each **$3.00**

No. 788 Hand Pipe Crimper

Well Constructed, Easy Working, Highly Efficient

Capacity of No. 26 guage iron and lighter. Depth of crimp regulated by set screw.

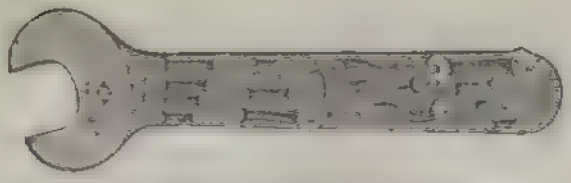


Weight each, 1⅞ lbs. Length over all, 8 in.

Price, each **$9.00**

WRENCH ASSORTMENTS

WILLIAMS



STYLE A AUTOMOTIVE AND GARAGE ASS'T.

Semi-Finish.

Consists of the following wrenches:

6 Each No.	Milled Openings	For S. A. E. Std. Nuts	For U. S. Std. Nuts	For Cap Screws	Lgth.	Thick, less Heads
Engineers' 15 Degree Angle						
21						
23						
25						
Check Nut, 15 Degree Angle.						
631						
Light Service, 22½ Degree Angle.						
81A						
Cap Screw, 15 Degree Angle.						
721						

Per Ass't

No. A Style "A" Assortment, consists of 17 wrenches as listed above, 17 sizes as described; wt per ass't 11 lbs ..... ✣$96 00

✣F. O. B. New York Factory Only.

Semi-Finish.

The wrenches composing Nos. A & B assortment have been selected to meet the needs of automotive Supply Houses, Garages, Hardware and Machine Shops. Semi-finished drop forged steel milled openings, fitting most popular S. A. E. and U. S. Standard nuts and cap screws. Assortment arranged on an attractive display board; length 54 inches; representing single end wrenches.

STYLE B, GENERAL HARDWARE AND MACHINE SHOP ASS'T.

Semi-Finish.

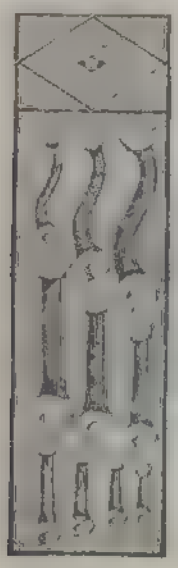
Consists of the following wrenches:

6 Each No.	Milled Openings	For S. A. E. Std. Nuts	For U. S. Std. Nuts	For Cap Screws	Lgth.	Thick, less Heads
Engineers' and Cap Screw, 15 Degree Angle						
715						
27						
29						
731						
733						
Set Screw, 22½ Degree Angle.						
527						
529						
"S" Flat Handle, 22½ Degree Angle.						
661A						
664B						
Textile Machine, 22½ Degree Angle.						
760B						
761C						
763A						
764C						

Per Ass't

No. B Style "B" Assortment, consists of 20 wrenches as listed above, 20 sizes as described; wt per ass't 20 lbs ..... ✣$114 00

✣F. O. B. New York Factory Only.



WILLIAMS STYLE

Semi-Finish.

The wrenches composing this assortment are the most commonly required for farm, machine and automotive purposes; openings milled for popular U. S. S. A. E. standard nuts; assortment is arranged on an attractive display board.

Consists of the following wrenches:

8 No.	Milled Openings	For S. A. E. Nuts	For U. S. Std. Nuts	For Cap Screws	Lgth.
Light Service or General Purpose, 22½ Degree Angle.					
23A					
25B					
Engineers' 15 Degree Angle.					
21					
23					
25					
27					
29					
31					
34					

Per Ass't

No. C 30 wrenches of 10 sizes as described; wt per ass't 20 lbs $27 00

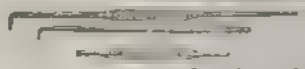
MECHANICS' TOOLS

STARRETT'S, Micrometer Calipers.

Drop forged from bar steel; hardened spindle, knurled sleeve; patent lock nut and ratchet stop. Graduated to read by thousandths of an inch.

Nos.	226-3	226-4
For measurement, ins	2 to 3	3 to 4
Each	23 25	24 75
List Price, Each	$10 00	10 75

One in cardboard box; wt each 15 ozs.



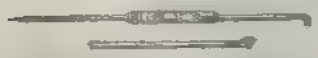
STARRETT'S Improved Scribers.

Best grade steel points, tempered and polished. Nickel plated [illegible] to prevent rusting. Can be used for marking or turning in the fingers. The long bent point is a valuable auxiliary for reaching through holes, etc. Length with short bent point 9 inches, with long 12 inches. All points interchangeable.

Each

No. 67—Complete with long and short points... 1 50 *$0 60*

Six in cardboard box; wt each 2 ozs.



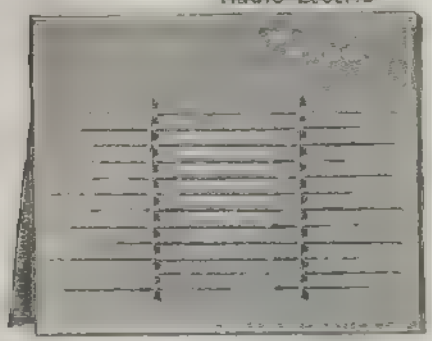
STARRETT'S Improved Adjustable Sleeve Scribers.

Polished steel points; nickel plated sleeve. The knurled sleeve has hole clear through and a clamping device at each end, adapting it to slipping on or off different tools, securely holding them near to or away from the working points. The scriber is 8 in. long. For pattern makers a knife scriber, made of a fine grade of steel, is supplied as an auxiliary. Each

No. 68—Complete with knife scriber..... 1 50 *$0 60*

Six in cardboard box; wt each 1 oz.

Radio-Lectric



One piece; best grade steel points, hardened and tempered; knurled body; straight and bent working points. Especially designed for marking hard rubber, brass, steel, wood, etc.

Per Doz

No. 430—Length over all 8 ins..... $6 00

12 mounted on counter display card, one card in cardboard box; wt per doz 12 lbs.

GEM Improved Scribers.

Polished stamped steel frame; steel set screw and thumb nut; one leg with adjustable steel point and one to hold pencil.

Per Doz

No. 10—Length 3¼ ins..... $3 75

One doz on card; wt per doz 1 lb

DISSTON, Wire Gauges. Stubbs Standard.

Made from high grade tool steel polished, tempered and tested.

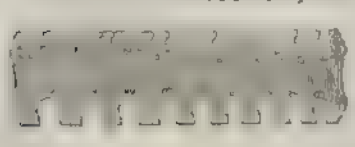
Per Doz

No. A—Small, Length 4¼ ins; width 15/16 in; gauge Nos. 1 to 26; wt per doz 1 lb.....+$133 50

Half doz in cardboard box.

DISSTON, Wire Gauges.

Per Doz



No. B—Large, Length 6¼ ins; width 1½ ins; gauge Nos. 0 to 29; wt doz 3¾ lbs...+$168 00

Half doz in cardboard box.

+F. O. B. Pennsylvania Factory Only.

MECHANICS' TOOLS

DISSTON, Wire Gauges.

Per Doz

No. C—Small, Diam 2¼ ins; gauge Nos. 1 to 26; wt per doz 1 [illegible] lbs.....+$168 00

No. D Large, Diam 3⅛ ins; gauge Nos. 0 to 29; wt per doz [illegible].....+198 00

Half doz in cardboard box.

STARRETT'S, Speed Indicators.

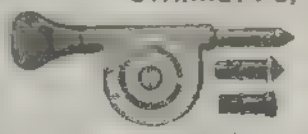
Nickel plated, scored steel handle. This indicator may be run at highest speed required without heating.

Each

No. 104—Length 5½ ins; wt each 4 ozs..... 3 00 *$1 20*

One in cardboard box.

STARRETT'S, Speed Indicators.



Nickel plated, with rosewood handle, so that it will not heat the fingers when run at high speed; has new rubber tips for both pointed and hollow center.

Each

No. 106—Length 5½ ins; wt each 5 ozs..... 4 20 *$1 80*

One in cardboard box.

STARRETT'S, Speed Indicators.

Nickel plated, hard rubber handle, making a safe insulator when used on electrical machinery; has new rubber tips for both pointed and hollow centers.

Each

No. 107—Length 5½ ins; wt each 5 ozs..... 8 25 *$3 60*

One in cardboard box.

STARRETT'S Mercury Plumb Bobs.

Nickel plated, made from solid steel, bored and filled with mercury, low center of gravity, small diameter; hardened and ground points; knurled on the body and the simple and effective device at top for fastening end of line after winding up, without a knot to tie or untie, simply by drawing it into peculiarly slotted neck at the top.

Nos.	87-5½	87-6
Length, ins	5½	6
Diam, ins	⅞	1
Wt each, ozs	12	16
Each	+6 90	+8 40
	$3 00	*3 60*

One in cardboard box.

STARRETT'S Little Giant Jack Screws.

These are designed for tool-room use, for leveling up work on a planer bed or under an upright drill, setting up machinery, etc. All parts are case hardened.

Two extension bases 'B and C are made to fit the use of the main part A and are 2 and 1 ins high respectively. With these two extensions used singly or together a reach from 2½ to 6 in. may be obtained. An auxiliary [illegible] screw D is supplied to be used in place of the screw with swivel cap on certain places where it is preferable. The base B is also rounded for use in cases where such a shape may be desirable.

Each

No. 190—Jack "A" is 1¼ ins in diam at the base and has a range of from 2½ to 3⅝ ins; will raise 1,000 lbs or more..... 4 05 *$1 70*

One in wood box.

+Wire Gauges—F. O. B. Pennsylvania Factory Only.
+Mercury Plumb Bobs—F. O. B. Massachusettes Factory Only.

WRENCH ASSORTMENTS

WILLIAMS STYLE

Semi-Finish.

The wrenches composing this assortment are the most commonly required for [illegible] age purposes; opening milled for U. S. and S. A. E. nuts and hex. cap screws; assortment is arranged on an attractive display board.

Consists of the following wrenches.

No. Each	Milled Openings	For S. A. E. Std. Nuts	For U. S. Std. Nuts	For Cap Screws	For Set Screws
Check Nut, 15 Degree Angle.					
626S	9/16 & 5/8	5/8 & 7/16		3/8 & 7/16	9/16 & 5/8
627	9/32 & 11/16		5/16 & 3/8		
650E	3/4 & 7/8	1/2 & 9/16	1/2	1/2 & 5/8	3/4 & 7/8
632X	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Engineers' 15 Degree Angle.					
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
23	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
725	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
731A	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
92	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Per Ass't

No. D—84 wrenches of 14 sizes as described; wt per ass't 41 lbs. $75 00

WRENCH ASSORTMENTS

WILLIAM'S STYLE F

Semi-Finish.

Drop forged from carbon steel, polished head, lacquered handles. Generally required for farm, machine and automotive purposes conveniently mounted on golden oak display board, lettering in black outlined in gold. Board consists of 36 wrenches, 3 each of the following numbers:

Nos.	Openings Milled	For U. S. Std. Nuts; Size Bolt	For Hex Head Cap Screws, Diam Screws	For S. A. E. Std. Nuts and Cap Screws; Size Bolts
Engineers' Wrenches 15° Angle				
73	[illegible]	[illegible]	[illegible]	[illegible]
725	[illegible]	[illegible]	[illegible]	[illegible]
725B	[illegible]	[illegible]	[illegible]	[illegible]
25	[illegible]	[illegible]	[illegible]	[illegible]
727	[illegible]	[illegible]	[illegible]	[illegible]
27	[illegible]	[illegible]	[illegible]	[illegible]
29	[illegible]	[illegible]	[illegible]	[illegible]
731A	[illegible]	[illegible]	[illegible]	[illegible]
Check Nut or "Thin" Wrenches 15° Angle				
623D	7/16 & 1/2	3/4	[illegible]	[illegible]
626S	9/16 & 7/8	[illegible]	[illegible]	[illegible]
630E	3/4 & 7/8	1/2	1/2 & 5/8	1/2 & [illegible]
632X	[illegible]	[illegible]	[illegible]	[illegible]

Per Ass't

No. F—36 wrenches; 12 sizes as described $27 00

One ass't in carton; wt per ass't 13½ lbs.

WILLIAM'S STYLE H

Semi-Finish.

Polished head, lacquered handles. Generally required for farm, machine and automotive purposes, conveniently mounted on golden oak display board, lettering in black outlined in gold.

Board consists of 36 wrenches, 3 each of the following numbers:

Carbon Steel.

Engineers' wrenches 15° angle.

Nos.	Openings Milled Ins	For U. S. Std. Nuts; Size Bolt Ins	For Hex Head Cap Screws, Diam Screws Ins	For S. A. E. Std. Nuts and Cap Screws; Size Bolts Ins
23	13/32 x 5/8	5/16 x 3/4	[illegible]	[illegible]
25	1/2 x 11/32	1/4 x 5/16	[illegible]	[illegible]
725	5/16 x 1/2	1/4	[illegible]	[illegible]
725B	[illegible]	1	[illegible]	[illegible]
27	[illegible]	[illegible]	[illegible]	[illegible]
727	[illegible]	[illegible]	[illegible]	[illegible]
29	[illegible]	[illegible]	[illegible]	[illegible]
731A	9/16 x 7/8	[illegible]	[illegible]	[illegible]
Special Alloy Steel. Tappet Wrenches.				
Nos.	**Openings Milled Ins**	**For S. A. E. Std. Nuts and Cap Screws, Diam Screws Ins**	**Extreme Length Ins**	**Thickness Head Ins**
90	7/16 x 1 1/2	1/4 x 5/16	6	[illegible]
92	5/16 x 5/8	3/8 x 7/16	7	[illegible]
94	3/4 x 7/8	1/2 x 5/16	8	[illegible]
96	5/16 x 1	5/8 x [illegible]	9 1/4	[illegible]

Per Ass't

No. H—36 wrenches; 12 sizes as described $36 75

One ass't in carton; wt per ass't 13 lbs.

D 1

WRENCHES

WILLIAM'S, TAPPET, STRAIGHT SIZES

Semi-Finish.

Drop forged from special alloy steel, heat treated and hardened. Polished head, lacquered handles. Especially designed for valve tappet adjustment service. The heads are very thin with narrow, tapered jaws to permit operating nuts etc., where the clearance about them is extremely limited.

WILLIAM'S TAPPET IN SETS

Semi-Finish.

Set consists of 6 wrenches 2 each of the following numbers:

Nos	Openings Milled Ins	For S A E Std Nuts and Cap Screws Diam Screw Ins	Extreme Length Ins	Thickness Heads Ins
90	x		5	x
92	x			
94	x		8	

Per Set

No. 53 Complete as above described $10 80

One roll in cardboard box; wt each [illegible] lbs.

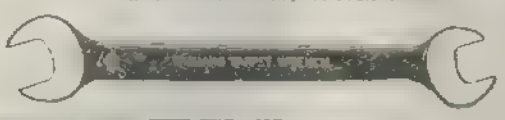
Set consists of 8 wrenches 2 each of the following numbers:

Nos.	Openings Milled Ins	For S A E Std Nuts and Cap Screws Diam Screw Ins	Extreme Length Ins	Thickness Heads Ins
90	x	x	6	x
92	9/16x5/8	3/8x7/16	7	5/16x11/64
94	x	x	8	x
96	x1	x	9 1/4	x

Per Set

No. 54—Complete as above described $15 00

One roll in cardboard box; wt each [illegible] lbs.



Nos.	Openings Milled Ins	For S A E Std Nuts and Cap Screws Diam Screw Ins	Extreme Length Ins	Thickness Head Ins	Per Doz Lbs	Per Doz
90	x1	x 16	6	11/64x1/4	2	$16 50
92	x	x 16	7	3/16x13/64	3	19 50
94	3/8x x	1 x	8	x1	4	21 75
96	x1	5/8x11/16	9 1/4	5/8x15/64	7	25 50

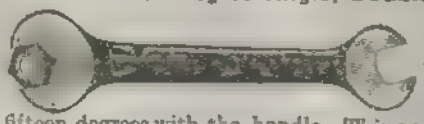
Half doz in cardboard box.

WRENCHES

J. H. WILLIAMS

CHECK NUT—THIN

15 Degree Angle, Double Head.



Drop forged from bar steel; flat handle, semi-finished; milled openings. Each opening is at an angle of fifteen degrees with the handle. This permits turning hexagon nuts completely around when the swing of the handle is limited to thirty degrees.

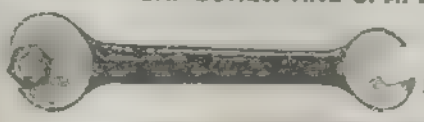
Semi-Finished, Case Hardened.

Nos.	Per Doz	Fits U. S. Standard nuts, Size bolts, in	Milled openings, ins	Extreme Lgth. Ins	Thickness Heads, Ins	Wt per Doz Lbs
623SF	$7 20	5/16 & 1/4	11/32 & 1/2	4 3/8	3/64 & 5/32	2 1/4
623D-SF	6 00	1/4	7/16 & 1/2	4 3/8	3/64 & 5/32	2 1/2
624SF	7 20	&	&	4	&	2 1/2
625SF	6 00	&	&	4 1/8	&	2 1/2
626SF	9 30	& 5/8	&	5	&	3 1/2
626S-SF	9 30		&	5	&	3 1/2
627SF	9 30	&	&	5	&	3 1/2
628SF	9 30	&	&	5	&	3 1/2
629SF	11 25	&	&	5 1/8	&	3 1/2
630E-SF	11 25	&	&	6 1/8	&	4 1/2
630SF	11 25	&	&	6	&	5 1/2
631SF	11 25	7/16 & 1/2	25/64 & 7/8	6 5/8	5/32 & 7/32	5 1/2
632SF	15 90	1/2 & 9/16	7/16 & 31/64	9 1/2	7/32 & 9/32	10 1/2
632X-SF	15 90		&	8	1/4 &	9
633SF	15 90	1/2 & 5/16	7/8 & 1/32	8 1/2	7/32 & 9/32	10 1/2
634SF	15 90	1/2 & 5/8	7/8 & 1 1/16	8 1/2	7/32 & 9/32	10 1/2
635SF	23 25	9/16 & 5/8	31/32 & 1 1/16	10 3/8	7/32 & 5/16	17 1/2
636SF	23 25	9/16 & 3/4	31/32 & 1 1/4	10 3/8	9/32 & 5/16	17 1/2
637SF	25 25	5/8 & 3/4	1 1/16 & 1 1/4	10 3/8	9/32 & 5/16	17 1/2

[illegible]

J. H. WILLIAMS

CAP SCREW AND S. A. E. NUTS



15 Degree Angle, Double Head Drop forged from bar steel.

Semi-Finished, Case Hardened.

Nos.	721-SF	723-SF	725-SF	725B-SF
Milled openings, in	&	&	&	&
For S. A. E. Std. nuts, in			&	&
For U. S. Std. nuts, in				
For cap screws, in	&	&	&	&
Extreme length, ins				
Wt per doz, lbs			2	
Per Doz.	$4 05	4 95	7 20	5 85

Nos.	727-SF	729-SF	731A-SF
Milled openings, ins	&	&	&
For S. A. E. Std. nuts, ins	&	&	&
For U. S. Std, nuts, ins			
For cap screws, in	&	&	&
Extreme length, ins.			
Wt per doz, lbs			
Per Doz	$8 70	10 80	12 75

Nos.	733-SF	737-SF
Milled openings, ins	&1	1 x1 1/4
For S. A. E. Std, nuts, in	&1	
For U. S. Std, nuts, in		
For cap screws, in	&	&1
Extreme length, ins		11
Wt per doz, lbs		
Per Doz.	$16 20	21 60

Half doz in box.

WRENCHES

ENGINEERS

15 Degree Angle, Double Head. Drop Forged From Bar Steel.

J. H. WILLIAMS

Unfinished, Unhardened		Semi-Finished, Case Hardened Polished Head		Finished Case Hardened Polished Head		For U. S. Stand Nuts, Size Bolts ins	S. A. E. Stand-Nuts and cap Screws	For cap Screws Diam ins	Milled Openings, ins	Extreme Lgth ins	Thickness Head ins	Wt Doz Lbs
Nos.	Per Doz	Nos.	Per Doz	Nos.	Per Doz							
21U	$ 3 54	21SF	$ 4 89	21F	$ 7 50	1/4 &				3		
22U	4 08	22SF	6 00	22F	9 00	5/16 &				4		1
23U	4 08	23SF	6 00	23F	9 00	5/16 &				4		2
24U	4 95	24SF	7 05	24F	10 80	5/16 &				4		
25U	4 95	25SF	7 05	25F	10 80	1/4 & 5/16				4		
26U	6 00	26SF	9 00	26F	12 90	3/8 & 7/16				5		
27U	6 00	27SF	9 00	27F	12 90	5/16 & 3/8				5		
28U	7 05	28SF	10 50	28F	15 75	5/16 & 3/8				6		5 1/4
29U	7 05	29SF	10 50	29F	15 75	3/8 & 7/16				6		6
30U	8 40	30SF	12 75	30F	19 20	3/8 & 1/2				7 3/4		7
31U	8 40	31SF	12 75	31F	19 20	7/16 & 1/2				7 3/4		8 1/4
32U	10 50	32SF	15 75	32F	24 00	7/16 & 1/2				8 3/4		9
33U	10 50	33SF	15 75	33F	24 00	1/2 &				8 3/4		10
		33CSF	15 75				5/8 &	3/4		8 3/4		10
34U	12 90	34SF	19 50	34F	30 00	1 &			& 1	9		11
35U	12 90	35SF	19 50	35F	30 00	1 &			& 1	9		11 3/4
36U	19 50	36SF	27 00	36F	39 00	1 & 1 1/8			& 1	11		21
37U	19 50	37SF	27 00	37F	39 00	1 & 1 1/8			& 1	11 1/2		22
38U	28 50	38SF	39 00	38F	52 50	1 1/8 & 1 1/4			& 1	12		30
39U	28 50			39F	52 50	1 1/4 & 1 3/8			& 1	13		31 1/2
40U	39 00			40F	73 50	1 3/4 & 1			& 1	13 1/2		41 1/2
41U	39 00			41F	73 50	& 1			& 1 1/8	13 1/2		41 1/2

Nos. 21F to 37F half doz in box; balance loose.

ENGINEERS

15 Degree Angle, Single Head. Drop Forged From Bar Steel.

J. H. WILLIAMS

Semi-Finished		For U. S. Stand Nuts Size Bolts, ins	Milled Openings ins	Extreme Length, ins	Thickness Head, ins	Wt Doz Lbs
Nos.	Per Doz					
0SF	$ 4 05	1/8	19/32	8 3/8	7/32	3 1/4
1SF	5 25	1/4	5/8	4	1/4	1
2SF	6 30	9/32	19/32	4 3/4	9/32	2
3SF	7 50	5/16	11/16	5 5/8	5/16	3
4SF	9 00	11/32	25/32	6 1/2	11/32	5 1/4
5SF	10 80	3/8	7/8	7 1/8	13/32	6 3/4
6SF	12 90	13/32	31/32	8 3/8	7/16	8 1/2
7SF	16 20	7/16	1 1/16	9 1/4	1/2	13 3/8
8SF	21 00	1/2	1 3/4	11 1/8	9/16	18 1/4
9SF	31 80	5/8	1 7/16	13	21/32	24 3/4
10SF	44 25	1	1 5/8	14 1/4	5/8	45
11SF	60 00	1 1/8	1 13/16	16 1/2	27/32	51
12SF	81 00	1 1/4	2	18 1/2	29/32	80 1/4

Half doz in box

WRENCHES
TEXTILE MACHINE

J. H. Williams

22½ Degree Angle, Double Head.

Drop forged from bar steel; semi-finished, tempered; milled openings; case-hardened all over; heads ground bright; 22½ degree angle, fits United States standard nuts; either square or hexagon.

Fits U. S. Standard nuts, Size bolts, in.	Milled openings, ins	Extreme Lgth ins	Thickness Heads, In	Wt per doz lbs	Nos.	Per Doz
5/16 & 1/4	13/32 & 1/2	4 3/4	1/4	2 1/4	760B	$ 7 20
3/8 & 5/16	15/32 & 17/32	5 1/2	9/32	3	761C	9 00
7/16 & 3/8	17/32 & 9/16	7	5/16	6	762B	11 25
7/16 & 1/2	9/16 & 5/8	8 1/4	5/16	7	763A	15 00
1/2 & 9/16	5/8 & 21/32	8 1/4	11/32	8	763C	15 00
9/16 & 5/8	11/16 & 1 1/32	9 1/2	3/8	11	764B	20 25
5/8 & 3/4	1 1/16 & 1 1/4	11	3/8	20	765A	27 00
3/4 & 7/8	1 1/4 & 1 7/16	11	7/16	21	765C	27 00

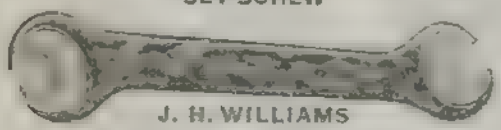
Half doz in cardboard box.

Per Ass't

No. 777—Assortment. Consists of one each Nos. 760B, 761C, 763A, 764B and 765C..... $6 60

One in carton.

SET SCREW



J. H. WILLIAMS

22 1-2 Degree Angle, Double Head.

Drop forged from bar steel, flat handle; for use around machinery; also by operators of lathes, planers, milling and binding machinery, etc.

Unfinished, Unhardened.

Nos	Per Doz	For Set Screws, ins	Extreme Length ins	Thickness Heads, In	Wt Doz Lbs
523U	$ 4 05	1/4 & 5/16	3	1/4	1
525U	4 05	1/4 & 5/16	4	1/4	2
527U	5 40	5/16 & 3/8	5	1/4	3
529U	6 75	3/8 & 7/16	6	5/16	3
530U	8 55	3/8 & 7/16	6	5/16	3
531U	8 55	7/16 & 1/2	6	5/16	3
533U	10 35	7/16 & 1/2	7	5/16	4
534U	12 75	7/16 & 1/2	7	5/16	4
535U	12 75	9/16 & 5/8	8	3/8	4
537U	15 75	5/8 & 3/4	10	3/8	5
539U	20 25	3/4 & 7/8	12	3/8	7

Finished, Case Hardened.

Nos.	Per Doz	For Set Screws, ins	Extreme Length, ins	Thickness Heads, ins	Wt Doz, Lbs
523F	$ 8 40	1/4 & 5/16	3	1/4	2
525F	9 90	1/4 & 5/16	4	1/4	2
527F	11 70	5/16 & 3/8	5	1/4	3
529F	14 70	3/8 & 7/16	6	5/16	3 3/4
530F	14 70	3/8 & 7/16	6	5/16	3 3/4
531F	14 70	7/16 & 1/2	6	5/16	3 3/4
533F	22 80	7/16 & 1/2	7	5/16	4 3/4
534F	27 00	1/2 & 9/16	7	5/16	4 3/4
535F	27 00	9/16 & 5/8	9	3/8	10 3/4
537F	33 00	5/8 & 3/4	10	3/8	12 3/4
539F	39 00	3/4 & 7/8	12	3/8	25 1/2

Half doz in cardboard box.

WRENCHES
J. H. WILLIAMS
"S" 22½ Degree Angle, Double Head.

Drop forged from bar steel, concave handle; milled openings.

Nos.	860H-U	861H-U	862H-U
Unfinished, untempered, Doz	$4 80	6 00	6 15
Nos.	860H-F	861H-F	862H-F
Finished, tempered Per Doz	$3 30	12 00	14 25
Milled openings, in	1/4 & 5/16	5/16 & 7/16	3/8 & 1/2
Fits set screws, ins	1/4 & 5/16	5/16 & 7/16	3/8 & 1/2
Fits sq head cap screw, in	--	--	7/16 & 5/8
Fits hex. head cap screw, in	--	--	7/16 & 5/8
Extreme length, ins	3 5/8	4 7/8	5 1/4
Thickness heads, in	1/4 & 5/16	5/16 & 3/8	3/8 & 7/16
Wt per doz, lbs.	1 1/2	2	4
Nos.	863H-U	864H-U	865H-U
Unfinished, untempered Doz	$7 95	10 50	14 25
Nos.	863H-F	864H-F	865H-F
Finished, tempered Per Doz	$16 95	21 00	28 50
Milled openings, in	1/2 & 9/16	9/16 & 5/8	5/8 & 3/4
Fits set screws, ins	1/2 & 9/16	9/16 & 5/8	5/8 & 3/4
Fits sq head cap screws, in	3/8 & 7/16	7/16 & 9/16	--
Fits hex. head cap screws, in	9/16 & 5/8	--	7/8 & 1 1/2
Extreme length, ins	6 1/2	7 3/4	9
Thickness heads, in	5/8 & 11/32	13/32 & 7/16	1/2 & 17/32
Wt per doz, lbs	5	6	11 1/2
Nos.		866H-U	867H-U
Unfinished, untempered	Per Doz	$21 00	31 50
Nos.		866H-F	867H-F
Finished, tempered	Per Doz	$38 25	51 00
Milled openings, in		3/4 & 1	7/8 & 1 1/8
Fits set screws, in		3/4 & 1	7/8 & 1 1/8
Fits sq head cap screws, in		--	1 & 1 1/4
Fits hex. head cap screws,		1 & 1 1/4	1 & 1 1/4
Extreme length, in		10	11 1/2
Thickness heads, in		7/16 & 1/2	5/8 & 11/16
Wt per doz, lbs		16 1/2	17

Half doz in cardboard box

J. H. WILLIAMS LIGHT SERVICE WRENCHES

22½ Degree Angle, Double Head, Long and Light. Drop forged from bar steel

Semi-Finished, Case Hardened.

Nos.	Per Doz	Milled Openings Ins	Extreme Length Ins	Thickness Heads Ins	Wt Doz Lbs
75A-SF	$ 7 65	1/4 & 5/16	6 1/4	1/4	4 1/2
79C-SF	12 00	3/8 & 7/16	8 1/4	5/16	6 1/2
83B-SF	19 80	1/2 & 1	10 3/16	1/16	10 1/16

Half doz in box.

GENERAL PURPOSE

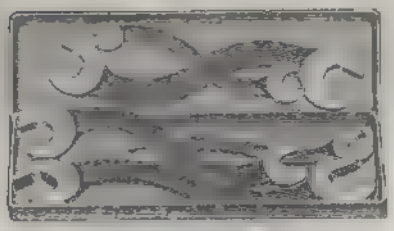
Made from drop forged steel, natural finish case hardened.

Nos	Per Doz	Fits Manufacturers Standard Nuts, Size Bolts, In	Milled Openings, ins	Extreme Length, ins	Thickness Heads, ins	Wt Doz Lbs
100G	$3 60	1/4 & 5/16	1/4 & 5/16	6 1/4	1/4	2 1/4
101G	4 50	1/4 & 5/16	1/4 & 5/16	7 1/4	1/4	4
102G	6 00	5/16 & 3/8	5/8 & 3/4	8 1/4	5/16	5 3/4
103G	7 35	3/8 & 7/16	3/4 & 7/8	9 1/4	3/8	9
104G	9 00	7/16 & 1/2	7/8 & 1	10 3/4	3/8	13 1/2

Nos. 100G to 102G one doz. Nos. 103G and 104G half doz. to box

WRENCHES

GENERAL PURPOSE, IN SETS

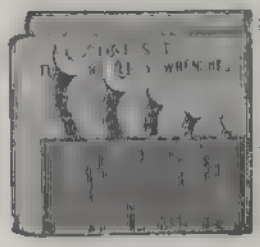


Set consists of five wrenches, one each Nos. 100G, 101G, 102G, 103G and 104G, in a nicely labeled cardboard box; weight per set 3 lbs.

Per Set

No. 999..... $2 55

GENERAL PURPOSE, In Rolls.



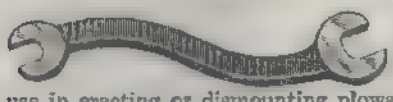
Double end; drop forged from high grade steel; mottled finish body; bright heads and milled openings. One set of five wrenches put up in a brown canvas roll, lined with white canton flannel; edges bound in black cloth. This set or assortment is designed to meet the requirements of farmers, machinists, automobilists, etc., giving them an assortment of sizes for manufacturers standard nuts; size bolts, 5/16 to 1/2 inch by sixteenths.

Per Set

No. 155—Roll complete with five wrenches assorted, roll 11 ins long, 2½ ins in diam. $1 80

One set in roll; wt per roll 2½ lbs.

AUTOMOBILE & GENERAL PURPOSE



Made from drop forged steel, natural finish, case hardened. A handy tool for automobilists, or for use in erecting or dismounting plows, carriages, wagons, etc., and for general service.

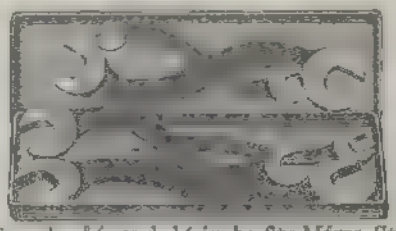
Nos.	606	607	608
Milled openings, in	5/16x11/32	7/16x1/2	9/16x5/8
Fits Mfgrs Stan Nuts, size bolts, in	1/4	5/16	3/8
Fits U. S. Stan Nuts, size bolts, in	5/16	3/8	7/16
Fits hex. head cap screws, in	5/16	1/4x5/16	3/8x7/16
Fits A. L. A. M. Stan Nuts, size bolts, in	1/4x	5/16	3/8x
Fits S. A. E. Stan Nuts, size bolts, in		1/4x5/16	3/8x7/16
Extreme length, ins	6¼	7⅜	8¼
Thickness heads, in	7/32	1/4	9/32
Wt doz, lbs	2¾	4	5¾
Per Doz	$3 60	4 50	6 00

Nos.	609	610
Milled openings, in	11/16x3/4	3/4x1
Fits Mfgrs Stan Nuts, size bolts, in	5/8	7/8x1/2
Fits U. S Standard Nuts, size bolts, in	3/4x	1/2x
Fits hex. head cap screws, in	x1/2	5/8x3/4
Fits A. L. A. M. Stan Nuts, size bolts, in	7/16x1/2	9/16x11/16
Fits S. A. E. Stan Nuts, size bolts, in		7/16x
Extreme length, ins	9¼	10
Thickness heads, in	5/8	7/16
Wt doz, lbs	9	13¼
Per Doz	$7 35	9 00

Half doz in cardboard box.

WRENCHES

AUTOMOBILE & GENERAL PURPOSE, In Sets



Designed to meet the requirements of farmers, machinists, automobilists, etc., giving them an assortment of wrenches that will fit 32 sizes, nuts and cap screws as follows; fits U. S. Standard Nuts, size bolts, [illegible] and ½ inch; fits Mfgrs. Standard Nuts, size bolts, [illegible] inch; fits A. L. A. M. Standard Nuts, size bolts, ¼, 5/16, 3/8, 7/16, 1/2, 9/16, and 11/16 inch; fits S. A. E. Standard Nuts, size bolts, [illegible] inch, fits hex. head cap screws, 5/16, ¼, 5/16, 3/8, [illegible] and [illegible] inch.

Per Set

No. 665—Set consists of five wrenches, one each Nos. 606, 607, 608, 609 and 610..... $2 55

One set in cardboard box; wt per set 3 lbs.

AUTOMOBILE AND GENERAL PURPOSE

In Rolls.

Drop forged from high grade steel, mottled finish; bright heads and milled openings; case hardened, double end; one set of five wrenches put up in a brown canvas roll, lined with white canton flannel,

An assortment of wrenches that will fit 32 sizes of nuts and cap screws as follows: fits U. S. Standard Nuts, size bolts, 5/16, ¼, 3/8 and ½ inch; fits Manufacturers Standard Nuts, size bolts, [illegible] 7/16 and ½ inch; fits A. L. A. M. Standard Nuts, size bolts, ¼, 5/16, 3/8, 7/16, ½, 9/16 and 11/16 inch; fits S. A. E. Standard Nuts, size bolts, ¼, 5/16, 3/8, [illegible] and 11/16 inch; fits hexagon head cap screws, 5/16, ¼, 5/16, [illegible] ½ and ¾ inch.

Per Set

No. 165—Roll complete with five wrenches, assorted, roll 11 ins long, 2½ ins in diam..... $4 80

One set in roll; wt per roll about 3 lbs.

SOCKET WRENCHES

SQUARE OPENINGS

Made of malleable iron hardened. Square openings for U. S. Standard nuts, cap screws and set screws. A shoulder prevents the nut working far up into the wrench and the open shank prevents clogging with dirt, also enabling the user to handle the wrench in places where a brace would not go.

Nos.	154	1550	1560
Size opening, ins	1/2	11/32	11/16
Fits bolts, size, in	1/4	5/16	3/8
Fits cap screw, diam in	5/8	7/16	5/16
Fits screw, size, in	1/2	5/16	
Wt per doz, lbs	2½	3	4½
Per Doz	$9 45	10 80	13 50

Nos.	157	158	160	161
Size opening, ins	25/32	7/8	1⅛	1¼
Fits bolts, size, in	7/16	1/2	5/8	3/4
Fits cap screw, diam, in	3/8	1/2	7/8	1
Fits set screw, size, in	3/4	7/8	1⅛	1¼
Wt per doz, lbs	4¾	5½	4	5
Per Doz	$14 70	15 75	18 75	20 25

Nos. 157, 158, 160 and 161 half doz; Nos. 157, 1550 and 1560 one doz in box.

SOCKET WRENCHES

SOCKET, Single Head.

Drop forged from tool steel, unfinished, with steel handle.

Fits square nuts, cap screws and set screws.

Nos.	962H	963H
Fits U.S. Stan. Nut, size, in		
Fits cap screw, diam, in		1/4
Fits set screw, size, in	5/16	3/8
Diam head, in	5/8	11/16
Diam shank, in	3/8	3/8
Extreme length, ins	4 1/2	4 7/8
Length of handle, ins	4 1/2	5 1/8
Wt each, lbs	5/16	1/2
Each	$0 99	1 11

Nos.	965H	966H	968H	969H
Fits U.S. Stan. Nut, size, in		1/4		
Fits cap screw, diam, in	5/16	3/8	1/2	5/8
Fits set screw, size, in	7/16	1/2	5/8	3/4
Diam head, ins	7/8	1	1 1/4	1 5/8
Diam shank, ins	7/16	1/2	5/8	5/8
Extreme length, in	5 3/4	6 1/8	7	7 3/8
Length of handle, ins	5 3/4	6 1/8	6 3/4	7 3/8
Wt each, lbs	3/4	1 1/8	1 3/4	2 1/2
Each	$1 23	1 32	1 65	1 83

Fits U. S. Hexagon Nuts and Cap Screws.

Nos.	964A	965A	967A
Fits U. S. Stan Hex. Nut size, in	1/4	5/16	3/8
Fits cap screw, diam, in	5/16		
Diam head, ins	3/4	7/8	1 1/8
Diam shank, in	3/8	7/16	5/16
Extreme length, ins	5 1/4	5 3/4	6 1/4
Length of handle, ins	5 1/8	5 3/4	6 3/4
Wt each, lbs	1/4	5/16	1/2
Each	$1 14	1 23	1 50

Fits U. S. Hexagon Nuts and Cap Screws.

Nos.	968A	969A	971A	973A
Fits U.S. Stan Hex. Nut size in	7/16	1/2	5/8	3/4
Fits cap screw, diam, in		5/8		1
Diam head, ins	1 1/4	1 3/8	1 5/8	1 7/8
Diam shank, in	5/8	5/8	5/8	7/8
Extreme length, ins	7	7 3/8	8 1/4	9 1/2
Length handle, ins	6 1/4	7 3/8	8 1/4	9 1/2
Wt each, lbs	3/4	1 1/4	3/4	3
Each	$1 71	1 83	2 07	3 15

Packed loose

WRENCHES

TROJAN

Solid cast steel, superior quality, oil tempered, plain body, polished jaws, milled teeth, holds pipe from 1/8 to 3/8 inches and round iron from 1/4 to 3/4 inches; has opening in handle for 1/4, 3/8, 1/2 5/8, and 3/4 inch nuts.

Per Doz

No. 21—Length 5 1/2 ins; wt per doz 5 3/4 lbs $6 75

One doz in cardboard box.

TROJAN

Solid cast steel, superior quality, oil tempered, chased body, polished jaws, milled teeth; holds pipe from 1/8 to 1 inch, and round iron 3/8 to 1 1/4 inches; has opening in handle for 3/8, 1/2 5/8, 3/4 and 7/8 inch nuts.

Per Doz

No. 31—Length 7 in; wt per doz 14 lbs $9 75

Half doz in cardboard box

ALWAYS READY

Forged from tool steel, nickel plated, hardened jaws, with milled teeth on one jaw at each end.

Nos.	1	2
Length, ins	5	7
For nuts or pipe, ins	1/4 to 3/4	1/4 to 1 1/4
Wt per doz, lbs	5 1/2	12
Per Doz	$15 00	19 50

Half doz in cardboard box.

WRENCHES

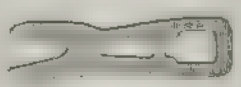
RIVAL

Solid cast steel, drop forged, oil tempered, chased body, polished jaws, with milled teeth on one jaw at each end.

Nos.	10	20
Length, ins	5	7
For nuts or pipe, ins	1/4 to 3/4	1/4 to 1
Wt per doz, lbs	5	12
Per Doz	$11 25	15 75

Half doz in cardboard box.

ALLIGATOR



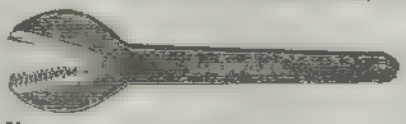
Forged tempered steel, black finish, polished jaws, with milled teeth; has opening in handle for 1/2 and 7/8 inch nuts.

Per Doz

No. 201 Length 5 1/4 ins, holds pipe from 1/8 to 3/8 in, and round iron from 1/4 to 3/8 in $5 25

One doz in cardboard box; wt per doz 3 lbs

ALLIGATOR

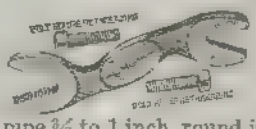


Forged tempered steel, black finish, polished jaws with milled teeth.

No.	202
Length, ins	9
Holds pipe, ins	1/8 to 3/4
Holds round iron, ins	1/8 to 1
Wt per doz, lbs	12
Per Doz	$13 50

Half doz in cardboard box.

COMBINATION



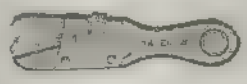
Drop forged carbon steel, scientifically tempered and hardened. Combination pipe and nut wrench and thread cutter, milled teeth on one jaw at each end. Holds nuts or pipe 3/8 to 1 inch, round iron 3/16 to 1 1/8 inches. Thread cutters will cut 5/16, 3/8 and 1/2 inch threads, length 2 inches

Per Doz

No. 200—Gun metal finish; wt per doz 12 lbs $12 00

Half doz in cardboard box.

ELGIN, Adjustable.



Cast steel nickel plated, hardened jaws, with milled teeth, jaws can be closed by adjusting screw; lower jaw and handle one piece; reinforced at jaws by heavy steel plate screwed to body.

Per Doz

No. 601 Length 7 ins; opens 1 1/4 ins; holds pipe up to 3/4 in; and nuts up to 1 1/8 ins $31 50

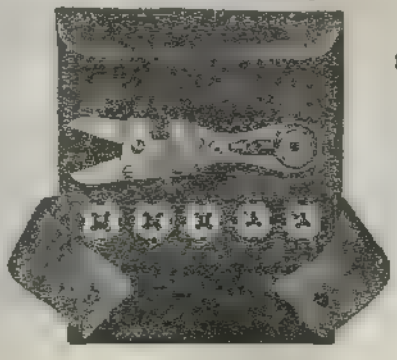
One doz in cardboard box; wt per doz 8 1/4 lbs

Per Doz

No. 1909—Extra serrated jaws for above. $7 95

Packed loose.

ELGIN, IN SETS



Per Set

No. 1920—Set consists of 1 Elgin wrench, one 1/4 in square tap wrench insert and 5 rethreading dies of U. S. standard bolt thread, viz: 1/4, 5/16, 3/8, 7/16 and 1/2 in; wt. per set 1 1/2 lbs $13 95

One set packed in canvas roll.

WRENCHES

WESTCOT ADJUSTABLE "S"

For Nuts Only.

Drop forged sliding jaw, polished and tempered; japanned malleable iron frame and steel screw.

Nos.	4804	4806	4808	4810	4812
Length, ins.	4	6	8	10	12
Opens, ins.	5/8	3/4	1	1 3/8	1 5/8
Wt per doz, lbs.	2	5 1/2	12	22	33
Per Doz.	$17 25	18 75	23 25	27 00	43 50

Half doz in cardboard box.

WESTCOT ADJUSTABLE "S"

For Pipe or Nuts.

Drop forged sliding jaw, polished and tempered; japanned malleable iron frame and steel screw.

Nos.	5008	5010
Length, ins.	8	10
For pipe or nuts, ins.	1/8 to 3/4	1/8 to 1
Wt per doz, lbs.	13	23
Per Doz.	$25 50	30 00

Half doz in cardboard box

GENUINE CRESCENT, Adjustable.

22½ Degree Angle.

Drop forged from best carbon steel, hardened; properly tempered and of great tensil strength.

Full polished except web in handle which is black oil finished.

Nos.	704	706	708	710	712
Length, ins.	4	6	8	10	12
Opens, ins.	1/2	3/4	15/16	1 1/8	1 5/16
Wt per doz, lbs.	1 1/2	4 3/4	7	14	24
Per Doz.	$19 20	19 20	23 40	29 52	44 25

One in cardboard box.

WRENCH ASSORTMENTS

CRESCENT

Drop forged from best carbon steel, hardened throughout; properly tempered and of great tensile strength. Full polished except web in handle which is black oil finished. Six wrenches mounted on display card, balance in cardboard boxes. Size of display card 8½x11 inches. Set consists of 12 wrenches as follows:

6 only—6 inch No. 706.
6 only—8 inch No. 708.

Per Ass't

No. DB9—Ass't complete as described above..... $21 60

One ass't in cardboard box; wt per ass't 5 lbs.

WRENCH ASSORTMENTS

CRESCENT

Drop forged from best carbon steel hardened throughout.

Display board made of quartered oak, natural finish. Size 25x25 inches; lettering in gold. A transfer is mounted on board showing the size and [illegible] of each wrench.

Consists of 50 wrenches as follows:

[illegible]	4 inch	1 only	15 inch
[illegible]	[illegible]	1 only	18 inch
12 only	5 inch	6 only	6-8 inch
5 only	6 inch	3 only	8-10 inch
1 only	12 inch		

Per Ass't

No. DB5 Ass't complete as described above..... $121 50

One ass't in wood case; wt per ass't 76 lbs.

WRENCHES

22½ Degree Angle Double End.

Black body with polished edges and face.

The movable jaws and handle are each solid piece drop forgings from steel that has great tensile strength and are properly tempered. The parts are accurately fitted and are interchangeable.

Nos.	16-8	18-10
Length over all, ins.	8	10
Size opening, ins.	3/4 & 15/16	15/16 & 1 1/8
Wt per doz, lbs	9	15
Per Doz.	$37 50	45 00

One in cardboard box.

WRENCH PART ASSORTMENTS

CRESCENT

Drop forged from high grade carbon steel, hardened. Consists of the most saleable items only and in the proportions that sell the best. Put up in a cardboard box divided into compartments for the various sizes. Assortment consists of 50 parts as follows:

2 only 4 inch jaws.
5 only 6 inch jaws.
4 only 8 inch jaws.
2 only 10 inch jaws.
1 only 12 inch jaws.
2 only 4 inch knurls
3 only 6 inch knurls.
4 only 8 inch knurls.
2 only 10 inch knurls.
1 only 12 inch knurls.
2 only 4 inch pins.
3 only 6 inch pins.
4 only 8 inch pins.
2 only 10 inch pins.
1 only 12 inch pins.
2 only 4 inch springs.
3 only 6 inch springs.
3 only 8 inch springs.
3 only 10 inch springs.
2 only 12 inch springs.

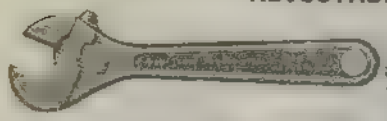
Per Ass't

No. RP1—Complete as described above..... $15 75

One ass't in cardboard box; wt per ass't 2 lbs.

WRENCHES

ADJUSTABLE



22½ Degree Angle.

This wrench opens on an angle of 22½ degrees with the handle, permitting its use in places difficult to get at with the ordinary wrench. The parts are accurately fitted and are interchangeable.

The movable jaw and handle are each solid piece drop forgings, from steel that is great for wearing qualities, and are both properly tempered. Black body; polished face.

Nos.	804-4	806-6	808-8	810-10	812-12
Length, ins	4	6	8	10	12
Opens, ins	11/16	¾	15/16	1⅛	1 5/16
Wt per doz, lbs	3¾	5	8	15	30
Per Doz	$12 60	14 40	18 00	22 50	29 25

One in cardboard box.

IMPROVED QUEEN CITY, Adjustable.

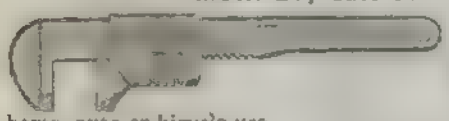
22½ Degree Angle.

Drop forged steel, case hardened; special high tensile steel jaw; case hardened adjusting screw; highly polished, with center web black oil finish. Square hole in handle serves as a solid wrench.

Nos.	504	506	508	510	512
Length, ins	4	6	8	10	12
Opens, ins	9/16	¾	15/16	1⅛	1 5/16
Wt per doz, lbs	2	4	8	14	22
Per Doz	$15 00	15 00	18 75	22 50	29 25

One in cardboard box.

MONKEY, Cast Steel.



Cast steel, heat treated. Strong and durable; black finish. A very good tool for farm, home, auto or bicycle use.

	Per Doz
No. 109—Length 9 ins; jaws open 2 ins	$9 75

Half doz in paper pkg; wt per doz 10½ lbs.

—BLUE GRASS—

Forged from highest quality tool steel, hardened jaws. Full length shank extends through to end of handle. Varnished hardwood grips, fastened by heavy iron rivet. Steel parts of handle and side of jaws, polished. Knurled steel adjusting screw.

Nos.	Lgth, ins	Jaws open ins	Doz in box	Wt Doz lbs	Per Doz
4206	6	1	[illegible]	10	$24 00
4208	8	1	[illegible]	17	28 50
4210	10	1	[illegible]	23	34 50
4212	[illegible]	[illegible]	[illegible]	40	43 50
4215	15	2	[illegible]	59	58 50
4218	18	3	[illegible]	75	75 00
4221	21	3	[illegible]	105	94 50

COE'S

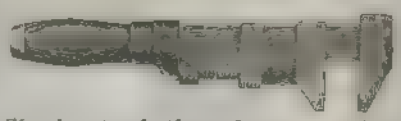
Knife Handle.

Forged steel, one piece head and bar, oil finish. Hardened semi-steel slide bar and handle frame. Steel adjusting knurled thumb screw. Hardwood handle sides, secured at both ends, by insertion under metal and riveted with one rivet.

Nos.	Lgth, ins	Jaws open ins	Doz in pkg	Wt Doz lbs	Per Doz
306	6	7/8	½	10	$27 00
308	8	1¼	½	16	31 50
310	10	1¾	½	23	39 00
312	12	2⅛	½	38	49 50
315	15	2⅝	½	57	67 50
318	18	3	½	84	84 00
321	21	4⅛	½	102	102 00

WRENCHES

AGRICULTURAL



Wrought iron; case hardened jaws. Wrought iron adjusting screw with knurled head. Shank extends through to ends of handle, screwed to cap at end; polished malleable iron ferrules, plain hardwood handle.

Nos.	406	408	410	412	415
Length, ins	6	8	10	12	15
Jaws open, ins	1⅛	1¼	1⅞	2⅛	2¼
Wt per doz, lbs	9	15	22	26	40
Per Doz	11 10	13 35	15 45	19 80	26 40
	$10 00	*12 00*	*14 00*	*18 00*	*24 00*

Half doz in paper pkg.

BEMIS & CALL

Combination Nut and Pipe.

Forged from tool steel; polished shank, nut and hardened jaws; extra steel grip, with teeth on one end of jaw for pipe, shank extends through ferrule and handle and screwed to cap at end. Polished cap and ferrule, polished hardwood handle.

With Short Nut.

Black Nos.	Black Per Doz	Length ins	For Pipe or Nuts ins	Wt doz lbs
4410	$70 50	10	¼ to 1	25
4412	74 25	12	½ to 1¾	36
4415	97 50	15	½ to 2¼	53

Half doz in wood box.

BEMIS & CALL

Combination Nut and Pipe.

Forged from tool steel; polished shank, nut and hardened jaws, extra steel grip, with teeth on one end of jaw for pipe, shank extends through ferrule and handle and screwed to cap at end. Polished cap and ferrule, polished hardwood handle.

With Long Nut.

Black Nos.	Black Per Doz	Polished. Nos.	Polished. Per Doz	Lgth, ins	For Pipe or Nuts ins	Wt doz lbs
4610	$66 00	4510	$69 00	10	¼ to 1	25
4612	78 00	4512	81 00	12	½ to 1¾	36
4615	102 00	4515	109 50	15	½ to 2¼	53

Half doz in wood box.

WRENCHES

EAGLE

Drop forged from best grade of steel, holds any shaped article firmly; will not slip on oily or greasy surfaces; will hold any round or irregular shapes; will turn any nut without use of cold chisel and hammer. For use where it is impossible to work with other wrenches or pliers.

Made on an angle of 45 degrees.

	Per Doz
No. 30-7—Length 7 ins; capacity 1 in; 3 steps, thickness jaws 5/8 in; wt per doz 8 lbs	$26 70

Packed loose.

Made on an angle of 90 degrees.

Nos.	40	60
Length, ins	10	15
Capacity, ins	1½	2
No of steps	5	7
Wt per doz, lbs	17½	25½
Per Doz	$39 00	45 00

Packed loose

PIPE WRENCHES

VULCAN, BIJAW

Drop forged tool steel, natural finish; polished jaws with milled teeth; flat link special steel, chain swings from the center and can be used on either side of the jaws. Round handle.

Nos.	31	32	33
Old Nos	1311	1312	1313
For pipe, ins	⅛to1½	¼to2½	¾to4
Length over all, ins	20	27	37
Length of chain, ins	13½	17½	22½
Wt each, lbs	7	10	16
Each	$8 40	12 00	16 50

Nos.	33½	34	35
Old Nos.	1313½	1314	1315
For pipe, ins	1to6	1½to8	2to12
Length over all, ins	44½	50½	64½
Length of chain, ins	31	39	54½
Wt each, lbs	24	31	50
Each	$21 00	26 25	42 00

Packed loose.

STILLSON'S

Moore Drop Forge Co. Make.

Drop forged tool steel, polished shank frame and hardened jaws, steel adjusting knurled nut; frame fastened to handle by a movable steel pin.

Ebony finish hardwood handle, single spring; shank extends through ferrule and handle and screws in cap at end. Polished cap and ferrule.

Nos.	1006	1008	1010	1014
Length open, ins	6	8	10	14
Adjustable to pipe, ins	⅛to½	⅛to¾	⅛to1	¼to1½
Wt per doz, lbs	4	6	18	30
Per Doz	21 60	24 00	27 00	37 80
	$24 00	*27 00*	*30 00*	*42 00*

Half doz in wood box.

PIPE WRENCHES

STILLSON'S

Moore Drop Forge Co. Make.

Drop forged tool steel, polished shank frame and hardened jaws, steel adjusting knurled nut, frame fastened to handle by a movable steel pin. Steel handle, double spring.

Nos.	1018	1024	1036	1048
Length open, ins.	18	24	36	48
Adjustable to pipe, ins	⅛to2	¼to2½	½to3½	1to5
Wt per doz, lbs	51	96	180	291
Per Doz	54 00	79 20	144 00	216 00
	$50 00	*87 00*	*162 00*	*240 00*

Nos. 1018 and 1024 half doz in wood box, 1036 and 1048 packed loose

PIPE WRENCH JAWS

For Stillson's Pipe Wrenches.

Nos.	J-6	J-8	J-10	J-14
For wrench, Nos	1006	1008	1010	1014
Wt each, lbs	⅛	¼	⅜	⅞
Each	96	99	1 11	1 35
	$0 75	*80*	*85*	*1 15*
Nos.	**J-18**	**J-24**	**J-36**	**J-48**
For wrench Nos	1018	1024	1036	1048
Wt each, lbs	1⅜	2¼	4⅛	6⅞
Each	2 10	2 55	5 25	8 70
	$1 75	*2 25*	*4 35*	*7 50*

Packed loose.

PIPE WRENCH NUTS

For Stillson's Pipe Wrenches.

Nos.	N-6	N-8	N-10	N-14
For wrench, Nos	1006	1008	1010	1014
Wt each, lbs	1/32	1/16	⅛	¼
Each	21	24	27	39
	$0 13	*15*	*20*	*30*
Nos.	**N-18**	**N-24**	**N-36**	**N-48**
For wrench, Nos	1018	1024	1036	1048
Wt each, lbs	¼	½	⅞	1
Each	45	66	1 26	1 80
	$0 35	*55*	*1 10*	*1 50*

Packed loose.

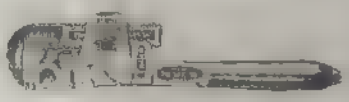
PIPE WRENCH FRAMES

For Stillson's Pipe Wrenches.

Nos.	F-6	F-8	F-10	F-14
For wrench, Nos	1006	1008	1010	1014
Wt each, lbs	⅛	¼	¼	½
Each	45	51	66	78
	$0 38	*42*	*50*	*60*
Nos.	**F-18**	**F-24**	**F-36**	**F-48**
For wrench, Nos	1018	1024	1036	1048
Wt each, lbs	½	¾	1½	2
Each	1 05	1 35	2 10	2 55
	$0 75	*95*	*1 70*	*2 20*

Packed loose.

TRIMO



Drop forged from bar steel, polished and hardened jaws and frames; knurled steel adjusting nut. Ebony finish hardwood handle; single spring; shank extends through ferrule and handle and screws in cap at end. Polished cap and ferrule. Inserted jaw and frame fastened by movable steel pins. Movable jaws and nut are made with round top and bottom thread.

Nos.	T6W	T8W	T10W	T14W
Length open, ins	6	8	10	14
Adjustable to pipe, ins	⅛ to ½	⅛ to ¾	⅛ to 1	⅛ to 1½
Wt each, lbs.	½	¾	2	3
Each	2 10	2 40	2 64	3 75
List	*$2 00*	*2 25*	*2 50*	*3 50*

Half doz in cardboard box.

PIPE WRENCHES

TRIMO

Drop forged from bar steel, polished and hardened jaws and frames knurled steel adjusting nut, japanned steel handle. Inserted jaw and frame fastened by movable steel pins. The movable jaws and nut are made with a round top and bottom thread.

Nos.	906	908	910	914
Length open, ins	6	8	10	14
Adjustable to pipe, ins	⅛to½	⅛to¾	⅛to1	¼to1½
Wt each, lbs	¾	¾	2	3
Each	2 10	2 40	2 64	3 75
	$2 00	*2 25*	*2 50*	*3 50*

Nos.	918	924	936
Length open, ins	18	24	36
Adjustable to pipe, ins	¼to2	¼to2½	½to3½
Wt each, lbs	5	8	16
Each	5 25	7 65	14 25
	$5 00	*7 85*	*13 50*

Nos. 906 to 918 half doz in cardboard box. Nos. 924 to 936 packed loose.

REPAIRS FOR TRIMO PIPE WRENCHES

Front Jaws.

Nos.	1906	1908	1910	1914
For wrench, Nos	906	908	910	914
Wt each, lbs	⅛	¼	½	⅞
Each	87	93	96	1 38
	$0 75	*80*	*85*	*1 15*

Nos.	1918	1924	1936
For wrench, Nos	918	924	936
Wt each, lbs	1⅜	2⅛	4⅛
Each	1 95	2 19	4 80
	$1 75	*2 25*	*4 35*

Packed loose.

Nuts.

Nos.	2906	2908	2910	2914
For wrench, Nos	906	908	910	914
Wt each, lbs	1/32	1/16	⅛	¼
Each	18	21	24	36
	$0 12	*15*	*20*	*30*

Nos.	2918	2924	2936
For wrench, Nos	918	924	936
Wt each, lbs	¼	½	¾
Each	39	60	1 23
	$0 35	*55*	*1 10*

Packed loose.

Inserted Jaws.

Nos.	3906	3908	3910	3914
For wrench, Nos	906	908	910	914
Wt each, lbs	1/32	1/16	⅛	¼
Each	39	48	57	66
	$0 35	*40*	*50*	*60*

Nos.	3918	3924	3936
For wrench, Nos	918	924	936
Wt each, lbs	¼	½	¾
Each	78	87	1 23
	$0 70	*80*	*1 10*

Packed loose

Frames.

Nos.	4906	4908	4910	4914
For wrench, Nos	906	908	910	914
Wt each, lbs	⅛	¼	¼	½
Each	42	45	57	66
	$0 38	*42*	*50*	*60*

Nos.	4918	4924	4936
For wrench, Nos	918	924	936
Wt each, lbs	½	¾	1½
Each	90	1 05	1 89
	$0 75	*95*	*1 70*

Packed loose.

PIPE CUTTERS

TRIMO

One Cutter Wheel, With Two Rollers.

Drop forged tool steel, all parts interchangeable; rolls and pins case hardened; cast steel handle with iron grip.

Nos.	1T	2T	3T
Cuts pipe, ins	⅛to1¼	⅛to2	1¼to3
Length over all, ins	15¾	17½	19½
Wt each, lbs	4¾	5½	7½
Each	7 05	9 75	15 75
	$4 50	*6 00*	*10 00*

Packed loose.

SAUNDER'S

One Cutter Wheel, With Two Rollers.

Japanned malleable iron shank and frame. Tool steel rollers and cutters. Cast steel handle with iron grip.

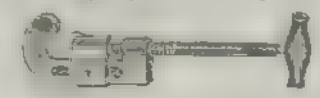
Nos.	1S	2S	3S
Cuts pipe, ins	⅛to1	1to2	2to3
Length over all, ins	16	20½	26½
Wt each, lbs	4	6½	12½
Each	5 85	8 70	21 00
	$3 00	*4 50*	*11 00*

Packed loose.

BARNES' PATTERN

Three Cutter Wheels.

Polished hardened steel frame and screw, forged, tool steel cutters, tempered and oil finished, japanned iron handle with iron grip. Cuts more rapidly than a single wheel cutter.



Nos.	1B	2B
Cuts pipe, ins	⅛to1	½to2
Length over all, ins	13	16
Wt each, lbs	3	5
Each	7 20	9 45
	$4 50	*6 00*

Packed loose.

BARNES' PATTERN

Three Cutter Wheels.

Nos.	3B	4B	5B	6B
Cuts pipe, ins	1½to3	2½to4	4to6	6to8
Length over all, ins	21	25	30	34
Wt each, lbs	9	12½	21	24
Each	15 75	31 50	48 00	63 00
	$10 00	*20 00*	*30 00*	*40 00*

Packed loose.

IRON BENCH PLANES

BAILEY ADJUSTABLE

In the "Bailey" Plane the frog may be adjusted for width of throat opening after removing the cap and cutter and slightly loosening the screws which clamp the frog to the base. Cut opposite also shows the ribbed construction of the bottom and the machined surfaces which give great solidity and solid setting for the frog (A).

The cutters are made of a thin parallel steel of high quality. This cutter is easily kept sharp by honing, with occasional grinding, insuring little work and small possibility of stubbing the bevel. In the frog design the cutter is securely bedded clear to the heel. The cutters may be adjusted either endwise or sidewise

Note—All Bailey Planes have rosewood handles and knobs. The cutters are adjustable endwise and sidewise

SMOOTH BOTTOMS

Smooth

Nos.	2	3	4	4½
Length, inches	7	8	9	10
Cutters, inches	1⅝	1¾	2	2⅜
Weight each, lbs.	2¼	3⅛	3¾	4¾
Each	$5.00	5.25	5 50	6 50

One in a box.

Jack

Nos.	5	5½
Length, inches	14	15
Cutters, inches	2	2¼
Weight each, lbs.	4¾	6¾
Each	$6.50	7 00

One in a box

Fore

No. 6—Length 18 inches, width of cutter 2⅜ inches, weight each 7¾ pounds.... Each $8 00

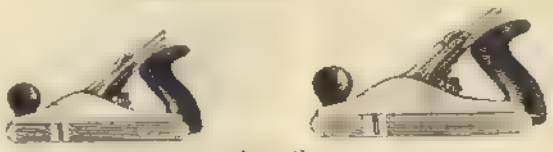
One in a box.

Jointer

Nos.	7	8
Length, inches	22	24
Cutters, inches	2⅜	2⅜
Weight each, lbs.	8⅛	9¾
Each	$8.75	11 00

One in a box

CORRUGATED BOTTOMS



Smooth.

Nos.	2C	3C	4C	4½C
Length, inches	7	8	9	10
Cutters, inches	1⅝	1¾	2	2⅜
Weight each, lbs.	2¼	3⅛	3¾	4¾
Each	$5.25	5.50	6 00	6 75

One in a box

Jack

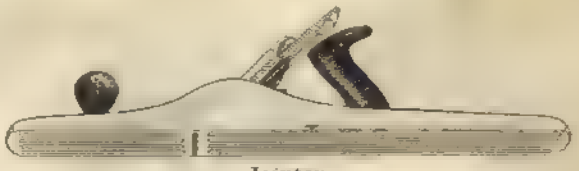
Nos.	3C	5½C
Length, inches	14	15
Cutters, inches	2	2¼
Weight each, lbs.	4¾	6¾
Each	$7.25	8.00

One in a box

Fore

No. 6C—Length 18 inches, width of cutter 2⅜ inches weight each 7¾ pounds.....Each $9 50

One in a box



Jointer

Nos.	7C	8C
Length, inches	22	24
Cutters, inches	2⅜	2⅜
Weight each, lbs.	8⅛	9¾
Each	$10 50	12 00

One in a box.

IRON BENCH PLANES

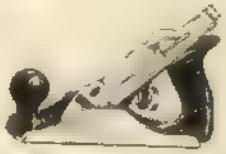
BED ROCK ADJUSTABLE

Bottom of frog is machined so as to make it a tongue which fits into a groove formed in the bottom of the plane. This design insures great solidity and perfect alignment between frog and bottom. Movement of the frog in groove for widening or opening the throat and the loosening or tightening of the frog to base of plane is governed by screw adjustment which may be operated without removing the cap or the cutter.

The cutters are made of a thin parallel steel of high quality. This cutter is easily kept sharp by honing, with occasional grinding, insuring little work and small possibility of stubbing the bevel. In the frog design the cutter is securely bedded clear to the heel. The cutters may be adjusted either endwise or sidewise.

Note—All Bed Rock Planes have rosewood handles and knobs The cutters are adjustable endwise and sidewise

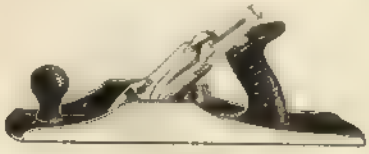
SMOOTH BOTTOMS



Smooth

Nos.	602	603	604	604½
Length, inches	7	8	9	10
Cutters, inches	1⅝	1¾	2	2⅜
Weight each, lbs.	2¼	3¼	3¾	4¾
Each	$5.50	6 00	6 50	7.50

One in a box



Jack

Nos.	605	605½
Length, inches	14	15
Cutters, inches	2	2¼
Weight each, lbs.	4¾	6½
Each	$7.50	8.00

One in a box

Fore

No. 606—Length 18 inches, width of cutter 2⅜ inches, weight each 7⅝ pounds..... Each $9 00

One in a box

Jointer

Nos.	607	608
Length, inches	22	24
Cutters, inches	2⅜	2⅝
Weight each, lbs.	8¼	9¾
Each	$10.50	12.00

One in a box.

CORRUGATED BOTTOMS

Smooth

Nos.	602C	603C	604C	604½C
Length, inches	7	8	9	10
Cutters, inches	1⅝	1¾	2	2⅜
Weight each, lbs.	2½	3¼	3¾	4¾
Each	$5 75	6 25	6 75	7.75

One in a box

Jack

Nos.	605C	605½C
Length, inches	14	15
Cutters, inches	2	2¼
Weight each, lbs.	4¾	6½
Each	$7 75	8 50

One in a box

Fore

No. 606C Length 18 inches, width of cutter 2⅜ inches; weight each 7⅝ pounds.....Each $9 50

One in a box.

Jointer

Nos.	607C	608C
Length, inches	22	24
Cutters, inches	2⅜	2⅝
Weight each, lbs.	8¼	9¾
Each	$11.50	14.00

One in a box.

WOOD BENCH PLANES

BAILEY ADJUSTABLE

"Bailey" wood planes supply the demand for a wood plane of superior quality. The bottom, handle and knob are made from selected and well-seasoned beech. The cutters are the regular "Bailey" type and are adjustable both endwise and sidewise

The frog is held in place by two machine screws which pass through the top iron and screw into two brass lugs These lugs are screwed and securely pinned into the wood bottom. This is far superior to other methods of fastening, as it holds together firmly, the wood bottom, the top iron which strengthens the wood bottom, and the frog

No 24

Nos. 26, 28 31.

Smooth

No. 24—9 inches long; 2 inch cutter; weight each 2⅞ pounds .....Each **$5.00**

One in a box

Jack

No. 26—15 inches long, 2 inch cutter; weight each 3¾ pounds .....Each **$5 25**

One in a package

Fore

No. 28—18 inches long; 2⅝ inch cutter; weight each 5½ pounds .....Each **$6.75**

One in a package.

Jointer

No. 31—24 inches long, 2⅝ inch cutter; weight each 6½ pounds .....Each **$7.25**

One in a package.

CARRIAGE MAKERS RABBET PLANES

STANLEY

Especially adapted for the heavy framing required in mining work, for carriage or wagon building, or in any work of similar nature. Adjustable cutters; rosewood handle and knobs

Nos.	10½	10
Length, inches	9	13
Cutters, inches	2⅛	2⅛
Weight each, lbs	3	4½
Each	$7 25	$8.50

One in a box

BULL NOSE RABBET PLANES

STANLEY

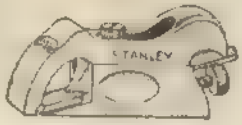
This plane will be found very useful for working close up into corners or other difficult places. The mouth can be adjusted to different widths by means of the set screw on top of the plane.

No. 75—Japanned trimmings, length 4 in., 1 in. cutter, weight each ½ pound.....Each **$1.00**

One in a Box.

CABINET MAKERS RABBET PLANES

STANLEY



Designed for fine cabinet work when extreme accuracy is required. The sides and bottom being square with each other, the plane will lie perfectly flat on either side and can be worked either right or left hand.

Adjustable throat and "Hand-y" grip. Cutter is adjustable endwise. By removing the front a chisel plane is obtained

No. 90—Nickel plated; length 4 inches; 1 inch cutter; weight each 1 pound.....Each **$5 50**

One in a box.

HANDLED IRON RABBET PLANES

STANLEY

These planes will lie flat on either side and can be used with right or left hand while planing into corners or up against perpendicular surfaces.

They are fitted with a spur and detachable depth gauge

Nos.	190	191	192
Length, inches	8	8	8
Cutters, inches	1½	1¼	1
Weight each, lbs	2½	2¼	2
Each	$4.00	3.75	3.50

One in a box

FILLETSTER RABBET PLANES

STANLEY DUPLEX

Has two seats for the cutter, one for regular and the other for bull-nose work It has a spur and a removable depth gauge. The adjustable fence can be used on either side and slides under the bottom. To work rabbet plane, remove fence and arms

No. 78—Length 8½ inches; 1½ inch cutter, weight each 3 pounds ..... Each **$4 50**

One in a box

SCRUB PLANES

STANLEY

For planing down a rough dimension any board that is too wide to conveniently rip with a hand saw, an operation that is sometimes called "hogging." This is made possible by reason of the peculiar shape of the extra heavy cutter the cutting edge of which is round instead of square. Handle and knob of beech.

No. 40—Japanned; length 9½ inches; 1⅝ inch cutter; weight each 2⅛ pounds. Each **$3.50**

One in a box.

IRON BLOCK PLANES

BAILEY ADJUSTABLE

Provided with an improved form of adjustment for adjusting cutters endwise and sidewise. The cutter rests on its seat at an angle of 20 degrees. Adjustable throats and the "Hand-y" feature.

No. 9½

No. 15½

No. 9½—Japanned trimmings; length 6 in.; 1⅝ in. cutter; weight each 1½ pounds.....Each **$3.00**

No. 15½—Japanned trimmings; rosewood knob; length 7 in.; 1⅝ in. cutter; weight each 1⅞ lbs...Each **$4.00**

One in a box

STANLEY ADJUSTABLE

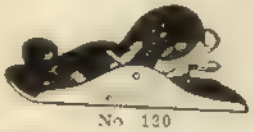
Low Angle, Adjusting Throat

Cutter is adjustable endwise and sidewise and rests on its seat at an angle of 12 degrees. Has the "Hand-y" feature.

No. 60—Nickel trimmings; length 6 in.; 1⅝ in. cutter; weight each 1¾ pounds.....Each **$3.50**

One in a box

No. 103



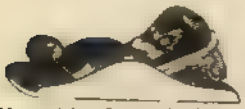
No. 120

Lever Adjustment

No. 103—Japanned trimmings; length 5½ in.; 1⅝ in. cutter, weight each ⅞ pound. .....Each **$1.30**

No. 120—Japanned trimmings; rosewood knob; length 7 in.; 1⅝ in. cutter, weight each 1⅞ lbs.....Each **$2.50**

One in a box.



Screw Adjustment

Japanned trimmings; rosewood knob; 1⅝ in. cutter.

No. 220—Length 7 in.; weight each 1¾ lbs....Each **$2.50**

One in a box

STANLEY NON-ADJUSTABLE

No. 100

No. 101

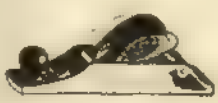
No. 100—Handled; 3½ in. long; 1 in. cutter; weight each ⅝ pound .....Each **$0.80**

One in a box

No. 101—Length 3½ in.; 1 in. cutter; weight per dozen 3 pounds Each **$0.70**

Six in a box

No. 102



No. 130

No. 102—Length 5½ in.; 1⅜ in. cutter; weight each ⅞ pound . . . Each **$1.10**

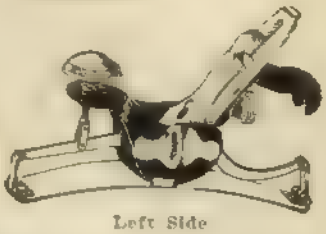
No. 130—Double end, two slots and two cutter seats; length 8 in.; 1⅝ in. cutter; weight each 1⅝ pounds. . . . Each **$2.50**

One in a box

CIRCULAR PLANES

STANLEY ADJUSTABLE

Right Side



Left Side

This plane has an adjustable steel face for planing the inside or outside of circles. Cutters adjustable endwise and sidewise. Has graduated scale for setting the face

No. 113—Japanned; length 10 inches, 1¾ inch cutter; weight each 3½ pounds.....Each **$9.50**

One in a box.

CORE BOX PLANES

STANLEY

For making circular core boxes either straight or tapered. The sides of the Plane are at right angles, consequently the point of the Plane will always cut on the circumference of the circle when the sides rest on the edges of the cut.

No. 57—Nickel plated; length 10 in.; ⅞ in. cutter; beech handle and knob; complete with one pair of sections to work semi-circles from 1 to 5 in.; weight each 6¾ pounds .....Each **$11.50**

One in a box

ROUTER PLANES

STANLEY

Open Throat

For surfacing the bottom of grooves or other depressions parallel with the surface of the work. A wood bottom of any size can be attached, enabling the user to router on large openings. Cutters adjustable and can be held as shown in illustration for regular work or on the back of the cutter post for bull nose work.

No. 71—Nickel plated; length 7½ in.; complete with ¼ and ½ in. cutter, also a smoothing cutter and attachment for closing the throat for use on narrow surface and regulating depth of cut; weight each 2⅝ pounds. .....Each **$5.25**

One in a box

LIGHT COMBINATION PLANES

STANLEY

A small combination plane for light work Adapted for plow beading, matching and rabbet work. Fitted with spurs, depth gauge, and a fence with 5 inch adjustment.

No. 50—Nickel plated; length 9¼ in.; complete with 15 cutters as described below; weight each 1½ pounds .....Each **$10.25**

Plow and Dado—Width, inches ⅛, ¼, ⅜, ½, ⅝, ¾

Beading—Width, inches 1/16, ⅛, ¼, ⅜, ½.

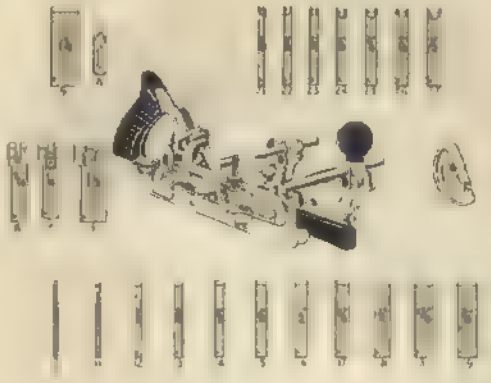
Touguing—Width, inches ¼

One in a box.

STANLEY "FORTY-FIVE" PLANES

Seven tools in one compact and practical form. 1—Beading and Center Beading Plane. 2—Plow. 3—Dado. 4—Rabbet and Filletster. 5—Match Plane 6—Sash Plane. 7—Slitting Plane.

The plane is fitted with spurs for use across the grain, and can be used either right or left hand.



With each plane are furnished twenty-two cutters, all of which are shown in the cut. The cutters, together with the plane, are packed in a neat, substantial box.

All metal parts are nickel plated. The handle, knob and fence are made of selected rosewood

No. 45—Nickel plated; complete with 22 cutters as described below; weight each 9½ pounds.....Each $20 00

One in a box.

CUTTERS REGULARLY SUPPLIED WITH No. 45 PLANE

The following cutters are furnished with each plane The price is given in case duplicates should be required.

		Each
No. 1	—1⅛ inch Sash Tool	$1.00
No. 5	— ¼ inch Match Tool	1 00
No. 8	—Slitting Tool	60
No 9	—1⅛ inch Filletster.	50
No. 10	inch Plow and Dado Tool.	30
No. 11	inch Plow and Dado Tool	30
No. 12	inch Plow and Dado Tool..	30
No. 13	inch Plow and Dado Tool	30
No. 14	inch Plow and Dado Tool.	40
No. 15	inch Plow and Dado Tool	40
No. 16	inch Plow and Dado Tool	40
No 17	inch Plow and Dado Tool	40
No 18	inch Plow and Dado Tool.	40
No. 18¼	inch Plow and Dado Tool	50
No. 19	inch Plow and Dado Tool..	50
No. 21	inch Beading Tool .	30
No. 22	inch Beading Tool .	30
No. 23	inch Beading Tool	30
No. 24	inch Beading Tool ...	40
No 25	inch Beading Tool	.40
No 26	inch Beading Tool	.50
No 27	inch Beading Tool	.50

SPECIAL CUTTERS FOR No. 45 PLANE

Note—These Special Cutters are not carried in stock but can be supplied promptly by shipping from the factory.

		Each
No. 2	—1⅛ inch Sash Tool	$1.00
No. 6	inch Match Tool	1.00
No. 28	inch Beading Tool	.60
No. 29	inch Beading Tool	.60
No 31	inch Fluting Tool	.60
No. 32	inch Fluting Tool	.60
No. 33	inch Fluting Tool	.60
No. 34	inch Fluting Tool	.60
No. 35	inch Fluting Tool	.60
No 36	inch Fluting Tool	.60
No. 37	inch Fluting Tool	.60
No. 38	inch Fluting Tool	.60
No 212	inch Reeding Tool; 2 beads	.40
No. 213	inch Reeding Tool; 3 beads	60
No. 214	inch Reeding Tool; 4 beads	80
No. 215	inch Reeding Tool; 5 beads	1.00
No 222	inch Reeding Tool; 2 beads	.40
No. 223	inch Reeding Tool; 3 beads	.60
No. 224	inch Reeding Tool; 4 beads	.80
No. 225	inch Reeding Tool; 5 beads	1.00
No. 232	inch Reeding Tool; 2 beads	.40
No. 233	inch Reeding Tool; 3 beads	.60
No. 234	inch Reeding Tool; 4 beads	.80
No 235	inch Reeding Tool; 5 beads	1.00

SPECIAL BOTTOMS FOR No. 45 PLANE

To work Hollows and Rounds or a Nosing Cutter in the No. 45 Plane specially formed bottoms are furnished, called Hollows, Rounds or Nosing Tool. A Hollow and its Cutter will form a Round. A Round and its Cutter will form a Hollow. A Nosing Tool and its Cutter will form what might be called an Exaggerated Round as in shaping the edges of stair treads. Hollows and Rounds are made and sold in four sizes or sets, each set comprising one Hollow, one Round and two Cutters. A Nosing Tool includes one Cutter.

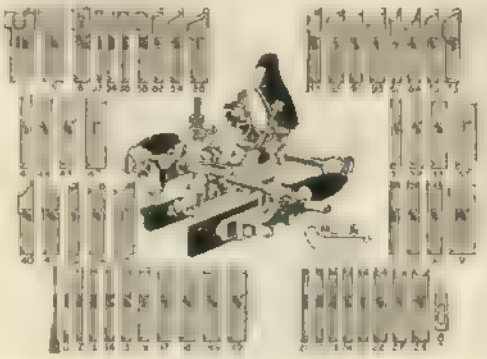
	Per Set
No. 6—Hollow and Round; ½ inch cutters; work ¾ inch circle	$2 80
No. 8—Hollow and Round; ⅝ inch cutters; work 1 inch circle	2 80
No. 10—Hollow and Round; ¾ inch cutters; work 1⅛ inch circle	3 00
No. 12—Hollow and Round; 1 inch cutters; work 1½ inch circle...	3 00
No. 5—Nosing Tool; 1⅛ inch cutters; work 1⅛ inch circle ...	2 00

Note—Special Bottoms for No. 45 Plane are not carried in stock but can be supplied promptly by shipping from factory

STANLEY FIFTY-FIVE PLANES

This tool, in addition to being a Beading and Center Beading Plane, a Plow, Dado, Rabbet, Filletster, and Match Plane, a Sash Plane and a Slitting Plane, is also a superior Moulding Plane, and will accommodate cutters of almost any shape and size. In fact, it is **"a planing mill within itself."**

The regular equipment sent with the plane comprises fifty-three cutters, all of which are shown in the illustration



These cutters together with the plane and all its attachments, are packed in a neat, substantial box.

A further line of forty-one cutters can be had from the factory. Cutters of practically any form can be used in the plane, which the owner can make from blanks or order from sketch.

All metal parts of the plane are nickel plated. The handle and fences are made of selected rosewood, and every part is well finished.

No. 55—Nickel plated rosewood handle and fences, complete with 53 cutters as described below; weight each 15¼ pounds **$42 00**

One in a box.

CUTTERS REGULARLY SUPPLIED WITH No. 55 PLANE

The following cutters are furnished with each plane. The prices are given in case duplicates should be required.

		Each
No. 1	—1½ inch Sash Tool.	1.00
No. 5	—⅛ inch Match Tool...	1.00
No. 8	—Slitting Tool	.60
No. 9	—Filletster	.50
No. 10	inch Plow and Dado Tool.	.30
No. 11	inch Plow and Dado Tool..	.30
No. 12	—¼ inch, Plow and Dado Tool	30
No. 13	inch Plow and Dado Tool...	30
No. 14	—⅜ inch Plow and Dado Tool	.40
No. 15	inch Plow and Dado Tool	.40
No. 16	½ inch Plow and Dado Tool	.40
No. 17	⅝ inch Plow and Dado Tool	40
No. 18	¾ inch Plow and Dado Tool.	40
No. 18½	inch Plow and Dado Tool.	50
No. 19	⅞ inch Plow and Dado Tool	50
No. 21	⅛ inch Beading Tool..	30
No. 22	inch Beading Tool..	30
No. 23	¼ inch Beading Tool..	30
No. 24	inch Beading Tool	40
No. 25	⅜ inch Beading Tool..	40
No 26	inch Beading Tool	50
No. 27	—½ inch Beading Tool	50
No 28	⅝ inch Beading Tool..	60
No 29	¾ inch Beading Tool	60
No. 32	¼ inch Fluting Tool	60
No 34	inch Fluting Tool..	60
No. 36	½ inch Fluting Tool	60
No. 38	¾ inch Fluting Tool	60
No. 43	½ inch Hollow	40
No. 44	⅝ inch Hollow	40
No. 45	¾ inch Hollow	40
No. 47	1 inch Hollow	40
No. 53	½ inch Round ...	40
No. 54	⅝ inch Round ...	40
No. 55	¾ inch Round	40
No. 57	1 inch Round	40
No. 62	—½ inch Quarter Hollow	90
No. 64	¾ inch Quarter Hollow	1 00
No. 73	⅝ inch Quarter Round ..	90
No 75	¾ inch Quarter Round ..	1 00
No 82	½ inch Reverse Ogee...	90
No. 84	¾ inch Reverse Ogee...	1 00
No. 86	1 inch Reverse Ogee...	1 00
No. 93	inch Roman Ogee.	90
No. 95	⅞ inch Roman Ogee	1.00
No. 102	½ inch Grecian Ogee...	.90
No. 104	¾ inch Grecian Ogee	1.00
No. 106	1 inch Grecian Ogee.	1 00
No. 113	⅝ inch ⅛ Round, with bead.	90
No. 115	¾ inch ⅛ Round, with bead....	1 00
No. 212	⅛ inch Reeding Tool; 2 beads..	40
No. 222	inch Reeding Tool 2 beads.....	40
No. 232	¼ inch Reeding Tool. 2 beads.....	40

SPECIAL CUTTERS FOR No. 55 PLANE

Note—These Special Cutters are not carried in stock, but can be supplied promptly by shipping from the factory.

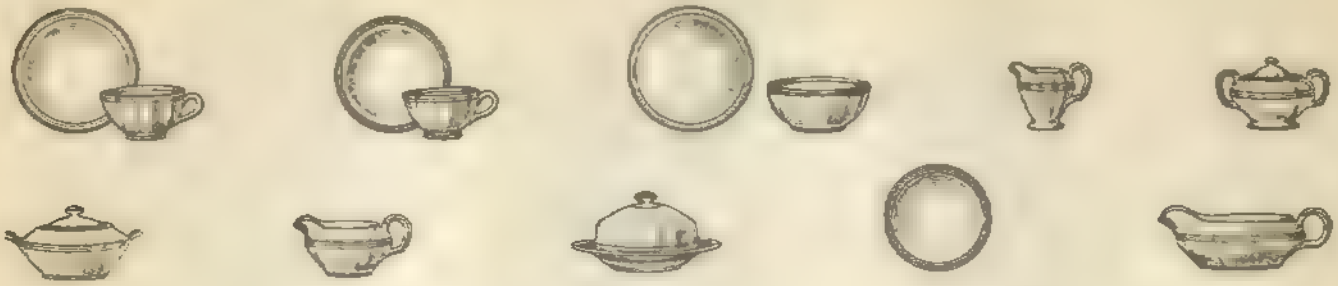
		Each
No. 2	—1½ inch Sash Tool	$1.00
No. 6	—⅛ inch Match Tool	1.00
No. 31	inch Fluting Tool	.60
No. 33	inch Fluting Tool	.60
No. 35	inch Fluting Tool ..	60
No. 37	⅝ inch Fluting Tool ..	.60
No. 42	⅜ inch Hollow	40
No. 46	⅞ inch Hollow	.40
No. 52	⅜ inch Round ...	.40
No. 56	⅞ inch Round	40
No. 61	⅝ inch Quarter Hollow ...	90
No. 63	⅝ inch Quarter Hollow ...	90
No. 65	⅞ inch Quarter Hollow	1 00
No. 66	1 inch Quarter Hollow	1 00
No. 71	⅜ inch Quarter Round	90
No. 72	½ inch Quarter Round	90
No. 74	¾ inch Quarter Round ..	1 00
No. 76	1 inch Quarter Round ..	1 00
No. 81	⅝ inch Reverse Ogee	90
No. 83	⅝ inch Reverse Ogee ..	.90
No. 85	⅞ inch Reverse Ogee	1.00
No. 91	—⅜ inch Roman Ogee	90
No. 92	½ inch Roman Ogee	90
No. 94	¾ inch Roman Ogee	1 00
No. 96	1 inch Roman Ogee	1 00
No. 101	⅜ inch Grecian Ogee	.90
No. 103	⅝ inch Grecian Ogee ...	.90
No. 105	⅞ inch Grecian Ogee	1 00
No. 111	⅛ inch ⅛ Round, with bead..	.90
No. 112	½ inch ⅛ Round, with bead..	.90
No. 114	¾ inch ⅛ Round with bead.	1 00
No. 116	1 inch ⅛ Round, with bead...	1 00
No. 213	⅛ inch Reeding Tool; 3 beads	.60
No. 214	⅛ inch Reeding Tool; 4 beads....	.80
No. 215	⅛ inch Reeding Tool; 5 beads	1.00
No. 223	inch Reeding Tool; 3 beads	.60
No. 224	inch Reeding Tool; 4 beads.	.80
No. 225	inch Reeding Tool; 5 beads	1 00
No. 233	—¼ inch Reeding Tool; 3 beads...	.60
No. 234	¼ inch Reeding Tool; 4 beads...	.60
No. 235	¼ inch Reeding Tool 5 beads	1 00

CHINA WARE

MAYFLOWER SHAPE

White Semi-Vitreous Porcelain, Decoration No. 8117B

This is a decoration showing two gold lines, with blue line between being a simple and harmonious design and a big seller on account of its neat and attractive appearance. It is the famous Mayflower shape.



BAKERS

Size, inches	3	4	5	6
Measure, inches	5 ½	6 ½	7 ¼	8
Weight dozen, lbs.	3	4 ¾	5 ¾	8 ¾
Per Dozen	$2 98	2.98	3.40	4.25
Size, inches	7	8	9	10
Measure, inches	9 ¼	10	11	12
Weight dozen, lbs.	10	14 ¼	21	28
Per Dozen	$5.10	7.65	10.20	12 75

BOWLS

			Oyster	Oyster
Sizes	368	308	368	308
Capacity, pints	¾	1 ¼	1	1 ½
Weight dozen, lbs.	4 ¾	6 ¼	9	11
Per Dozen	$3 40	4.25	3.40	4.25

BOUILLONS

Capacity of cups 7 ounces; diameter of saucers 5 ¾ inches

	Per Dozen
Cups and Saucers—Weight per dozen 6 pounds	$5.31
Cups Only—Weight per dozen 2 ¾ pounds	3 82
Saucers Only—Weight per dozen 3 ¼ pounds	1.49

BUTTERS

Covered—Loose drainers; size 5 inches; measures 7 ½ inches; weight per dozen 23 ½ lbs. Per Pound $15 30

Individual—Measures 3 ½ inches; weight per dozen 1 pound Per Dozen $0.85

CAKE PLATES

Size, inches	7
Measures, inches	9
Weight per dozen, lbs	12
Per Dozen	$6 80

CASSEROLES

Size, inches	7	*8
Measures, inches	8 ½	9 ½
Weight per dozen, lbs.	17 ½	23 ¾
Per Dozen	$20.40	25 50

*With notched covers.

CELERY TRAYS

Size, inches	10
Measures, inches	12
Weight per dozen, lbs	14
Per Dozen	$11 48

COFFEES

Handled

Capacity of cups 9 ounces; diameter of saucers 6 ¼ inches.

	Per Dozen
Cups and Saucers—Weight per dozen 7 pounds	$4 78
Cups Only—Weight per dozen 3 ½ pounds	3 19
Saucers Only—Weight per dozen 3 ½ pounds	1 59

St. Denis, Unhandled

Capacity of cups 9 ounces; diameter of saucers 6 ¼ inches.

	Per Dozen
Cups and Saucers—Weight per dozen 7 pounds	$3.83
Cups Only—Weight per dozen 3 ½ pounds	2 34
Saucers Only—Weight per dozen 3 ½ pounds	1 49

COVERED DISHES

Size, inches	7
Measures, inches	9 ½
Weight per dozen, lbs.	18
Per Dozen	$17 85

CREAMS

Sizes	308	Individual
Capacity, ounces	10	4
Weight per Dozen, lbs.	3 ¼	2
Per Dozen	$5 10	4.25

CUSTARDS

Handled

Capacity, ounces	6 ½
Weight per dozen, lbs	3
Per Dozen	$3 83

DISHES

Size, inches	9	10	12	14
Measures, inches	11 ¼	13 ¼	15 ¼	17 ¼
Weight dozen, lbs.	14 ¾	21 ½	36	42
Per Dozen	$5 95	10.20	15 30	22 95

EGG CUPS

Style	Double
Capacity, ounces	7
Weight per dozen, lbs.	3
Per Dozen	$4 25

CHINA WARE

HAMPTON SHAPE

White Semi-Vitreous Porcelain. Decoration No. 80106

This is a two spray medallion, connecting hair line blue color, and blue edge line, urn and flowers in soft tone colors, pink, blue, yellow, green and red, making an attractive combination of colors pleasing to the eye. It is a quick seller. It is on the Hampton shape.

BAKERS

Size, Inches	3	4	5	6
Measures, Inches	5⅛	6⅜	7¼	8¼
Weight dozen, lbs.	3	4⅝	5⅝	8¾
Per Dozen	$3.15	3 15	3 60	4.50

Size, Inches	7	8	9
Measures, Inches	9¼	10¼	11
Weight dozen, lbs	10	14	21
Per Dozen	$5 40	8 10	10 80

BOWLS

Sizes	30S	30S	Oyster 30S	Oyster 30S
Capacity, pints	1⅛	1½	1	1½
Weight dozen, lbs	6½	8¾	9	11
Per Dozen	$3 60	4 50	3 60	4.50

BOUILLONS

Capacity of cups 7 ounces; diameter of saucers 6 inches.

	Per Dozen
Cups and Saucers—Weight per dozen 6¼ pounds	$5 63
Cups Only—Weight per dozen 2¾ pounds	4.05
Saucers Only—Weight per dozen 1½ pounds	1 58

BUTTERS

Covered—Loose drainers; size 5 inches; measures 7½ inches; weight dozen 15¼ lbs. . . . Per Dozen $16.20

Individual—Measures 3⅜ inches; weight per dozen 1 pound . . . . . Per Dozen $0.90

CAKE PLATES

Size, Inches	7
Measures, Inches	9
Weight per dozen, lbs.	12
Per Dozen	$7.20

CASSEROLES

Size, Inches	7
Measures, Inches	8½
Weight per dozen, lbs.	20
Per Dozen	$21.60

CELERY TRAYS

Size, Inches	11x5
Measures, Inches	13x6¼
Weight per dozen, lbs.	12
Per Dozen	$12.15

EGG CUPS

Style	Double
Capacity, ounces	7
Weight per dozen, lbs.	3
Per Dozen	$3.15

COFFEES

Handled

Capacity of cups 9 ounces; diameter of saucers 6¼ inches.

	Per Dozen
Cups and Saucers—Weight per dozen 8 pounds	$4 73
Cups Only—Weight per dozen 3¼ pounds	3 15
Saucers Only—Weight per dozen 4⅝ pounds	1 58

A. D., Handled

Capacity of cups 4 ounces; diameter of saucers 4¾ pounds.

	Per Dozen
Cups and Saucers—Weight per dozen 3¾ pounds	$3 60
Cups Only—Weight per dozen 1¾ pounds	2 25
Saucers Only—Weight per dozen 2 pounds	1 35

COVERED DISHES

Size, Inches	5	7
Measures, Inches	7	9⅝
Weight per dozen, lbs.	10½	20
Per Dozen	$13.50	18 90

CREAMS

Sizes	30S	Individual
Capacity, pints	¾	½
Weight per dozen, lbs.	5	3¼
Per Dozen	$5 40	4 50

CUSTARDS

Footed

Style	Handled	Unhandled
Measures, Inches	6	6
Weight per dozen, lbs.	3¾	3½
Per Dozen	$4 05	3.60

DISHES

Size, Inches	3	4	5	6	7
Measures, Inches	6⅞	7⅞	8¾	9⅞	10¾
Weight dozen, lbs.	3¾	6½	7¼	9¼	11¾
Per Dozen	$2.70	2 70	2 92	3.15	3 60

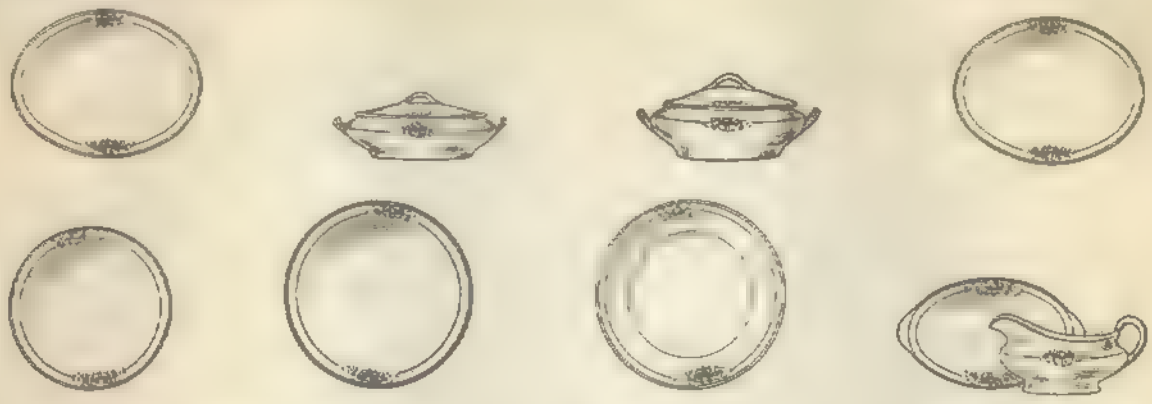
Size, Inches	8	9	10	12	14
Measures, Inches	11⅝	12⅝	13⅞	15⅝	17⅞
Weight dozen, lbs.	14½	21¾	22½	30	42
Per Dozen	$4 50	6.30	8 10	13 50	18 90

CHINA WARE

HAMPTON SHAPE

White Semi-Vitreous Porcelain, Decoration No. 80100

This a two spray medallion connecting hair line and blue color, and blue edge line, urn and flowers in soft tone colors pink, blue yellow, green and red, making an attractive combination of colors pleasing to the eye It is a quick seller. It is on the Hampton shape.



FRUITS

Size, inches	4	5
Measures, inches	5¼	6⅝
Weight per dozen, lbs.	3	5¼
Per Dozen	$1.35	1.50

JUGS

Sizes	Capac. Pints	Wt Doz. Lbs.	Per Dozen	Sizes	Capac. Pints	Wt. Doz. Lbs.	Per Dozen
48S	¾	5	$4.50	24S	3⅜	16	$9.00
42S	1	6	5 40	12S	4¾	19½	12.15
36S	1¾	7¾	6 30	6S	6	26	18.00
30S	2¾	10½	7 20	4S	8	32	24.30

NAPPIES

Size	Meas.	Wt Doz	Per Dozen	Size	Meas.	Wt Doz	Per Dozen
3	4	7	$3 15	7	8¾	13¾	$5 40
4	5½	6	3 15	8	9	18 4	8 10
5	6¾	7½	3.60	9	10 4	21½	10 80
6	7¾	11	4.50	10	12	26	13 50

OATMEALS

Size	36S
Measures, inches	6
Weight per dozen, lbs.	5
Per Dozen	$2.81

PICKLES

Measures, inches	9¼
Weight per dozen lbs	6½
Per Dozen	$5.40

PLATES

Flat

Size, inches	4	5	6	7	8
Measures, inches	6⅜	7⅜	8⅜	9⅛	10⅛
Weight per dozen, lbs.	4¾	6	9	11	14¾
Per Dozen	$1.80	2 63	2 48	3 15	3 83

Coupe-Soup

Size, inches	6	7	Special
Measures, inches	7⅝	8⅝	9⅝
Weight per dozen lbs	8¼	9½	14
Per Dozen	$2.92	3.15	4.50

Deep-Soup

Size inches	5	6	7
Measures, inches	6⅝	8¼	9⅛
Weight per dozen, lbs.	4½	8¼	11
Per Dozen	$2 48	2 92	3 60

SAUCE BOATS

Regular

Size	28
Capacity, ounces	15
Weight per dozen, lbs	6½
Per Dozen	$7 20

Double Spout, Fast Stand

Size	28
Capacity, pint	1
Weight per dozen, lbs.	10
Per Dozen	$16 20

SUGARS

Regular

Size	30S
Capacity, pints	1¼
Weight per dozen, lbs.	9
Per Dozen	$10 80

Individual

Capacity, ounces	10
Weight per dozen, lbs	9
Per Dozen	$9 45

TEA POTS

Regular

Size	24S
Capacity, pints	2¾
Weight per dozen, lbs	14¼
Per Dozen	$14 40

Individual

Capacity, pints	1¼
Weight per dozen, lbs.	10¼
Per Dozen	$13 50

TEA POT TILES

Measures, inches	4
Weight per dozen, lbs	6
Per Dozen	$2 70

TEAS

Handled

Capacity of cups 7 ounces; diameter of saucers 6 inches.

	Per Dozen
Cups and Saucers— Weight per dozen 6 pounds	$4 05
Cups Only—Weight per dozen 2½ pounds	2 70
Saucers Only—Weight per dozen 3½ pounds	1 35

CHINA WARE

HAMPTON SHAPE

White Semi-Vitreous Porcelain, Decoration No. 8010

This is a neat two gold line decoration, popular with the trade and a ready seller. It is on the Hampton shape.

BAKERS

Sizes In.	Meas. In.	Wt Doz. Lbs.	Per Dozen	Sizes In.	Meas. In	Wt Doz. Lbs.	Per Dozen
3	5 ½	3	$2 80	7	9 ¼	10	$4.80
4	6 ⅛	4 ¾	2.80	8	10 ¼	14 ¼	7 20
5	7 ¼	5 ¾	3.20	9	11	21	9 60
6	8 ⅛	8 ¾	4.00	10	12	26	12 00

BOWLS

Sizes	3oS	3oS	Oyster 36S	Oyster 3oS
Capacity, pints	1 ⅛	1 ½	1	1 ½
Weight per dozen, pounds.	6 ½	8 ¾	9	11
Per Dozen	$3 20	4.00	3 20	4 00

BOUILLONS

Capacity of cups 7 ounces; diameter of saucers 6 inches.

	Per Dozen
Cups and Saucers—Weight per dozen 6 ¼ pounds.	$5 00
Cups Only—Weight per dozen 2 ¾ pounds	3 60
Saucers Only—Weight per dozen 3 ½ pounds	1 40

BUTTERS

Covered—Loose drainers; size 5 inches; measures 7 ½ inches; weight per dozen 15 ¼ pounds. Per Dozen $14.40

Individual—Measures 3 ⅜ inches; weight per dozen 1 pound . . . Per Dozen $0 80

CAKE PLATES

Size, inches	7
Measures, inches	9
Weight per dozen, pounds	12
Per Dozen	$6 40

CASSEROLES

Size, inches	7
Measures, inches	8 ½
Weight per dozen, pounds	20
Per Dozen	$19.20

CELERY TRAYS

Size, inches	11x5
Measures, inches	13x6 ¼
Weight per dozen, pounds	12
Per Dozen	$10.80

EGG CUPS

Style	Double
Capacity, ounces	7
Weight per dozen, pounds	3
Per Dozen	$2.80

COFFEES

Handled

Capacity of cups 9 ounces; diameter of saucers 6 ¼ inches.

	Per Dozen
Cups and Saucers—Weight per dozen 8 pounds	$4.20
Cups Only—Weight per dozen 3 ¼ pounds	2.80
Saucers Only—Weight per dozen 4 ¾ pounds	1 40

A. D. Handled

Capacity of Cups 4 ounces; diameter of saucers 4 ¾ inches.

	Per Dozen
Cups and Saucers—Weight per dozen 3 ¾ pounds	$3.20
Cups Only—Weight per dozen 1 ¾ pounds	2 00
Saucers Only—Weight per dozen 2 pounds	1.20

COVERED DISHES

Size, inches	5	7
Measures, inches	7	9 ⅝
Weight Per dozen, pounds	10 ½	20
Per Dozen	$12.00	16.80

CREAMS

Sizes	3oS	Individual
Capacity, pints	¾	6
Weight per dozen, pounds	5	3 ½
Per Dozen	$4.80	4.00

CUSTARDS

Footed, Handled

Measures, inches	6
Weight per dozen, pounds	3 ¾
Per Dozen	$3 60

DISHES

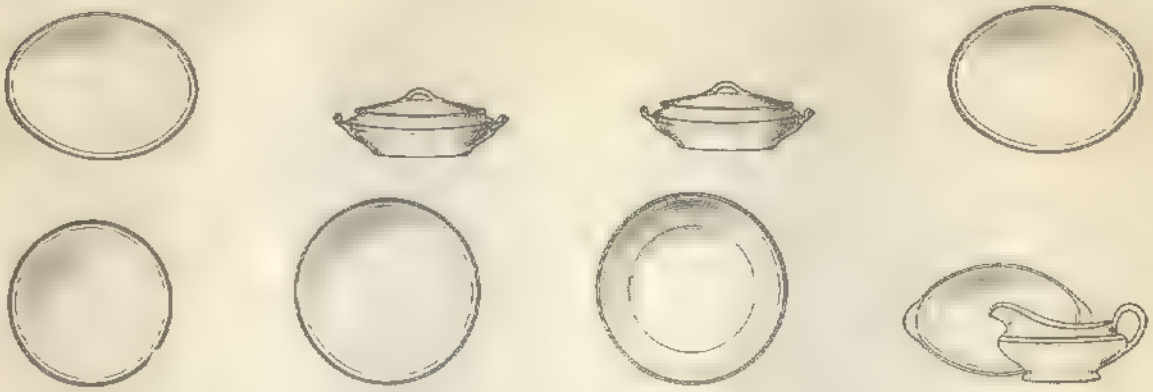
Sizes In.	Meas. In.	Wt. Doz. Lbs.	Per Dozen	Sizes In.	Meas. In.	Wt. Doz. Lbs.	Per Dozen
3	6 ⅞	3 ¾	$2 40	8	11 ⅝	14 ¼	$4.00
4	7 ⅞	6 ½	2.40	9	12 ¾	21 ¾	5.60
5	8 ¾	7 ¼	2.60	10	13 ⅞	22 ½	7.20
6	9 ⅞	9 ¼	2 80	12	15 ⅝	30	12.00
7	10 ¾	11 ¾	3 20	14	17 ⅞	42	16 80

CHINA WARE

HAMPTON SHAPE

White Semi-Vitreous Porcelain, Decoration No. 8010

This is a neat two-gold line decoration, popular with the trade and a ready seller It is on the Hampton shape.



FRUITS

Size, inches	4	5
Measures, inches	5¼	6⅝
Weight per dozen, lbs	3	5¼
Per Dozen	$1.20	1.40

JUGS

Sizes	Cap., Pts.	Wt. Dz., Lbs.	Per Dozen	Sizes	Cap., Pts.	Wt. Dz., Lbs.	Per Dozen
48S	¾	5	$4.00	24S	3¾	16	$8.00
42S	1	6	4.80	12S	4¾	19½	10.80
36S	1¾	7¾	5.60	6S	6	26	16.00
30S	2¾	10½	6.40	4S	8	32	21.60

NAPPIES

Size, In	Meas., In	Wt. Dz., Lbs	Per Dozen	Size, In	Meas., In	Wt. Dz., Lbs	Per Dozen
3	4	5	$2.80	7	8¾	13¾	$4.80
4	5½	6	2.80	8	9½	18¼	7.20
5	6¾	7½	3.20	9	10¼	21½	9.60
6	7¾	11	4.00	10	12	26	12.00

OATMEALS

Size	36S
Measures, inches	6
Weight per dozen, lbs	5
Per Dozen	2.50

PICKLES

Measures, inches	9¼
Weight per dozen, lbs	6½
Per Dozen	$4.80

PLATES

Flat

Size, inches	4	5	6	7	8
Measures, inches	6⅜	7⅜	8⅜	9⅛	10⅛
Weight per dozen, lbs.	4¼	6	9	11	14¼
Per Dozen	$1.60	1.80	2.20	2.80	3.40

Coupe—Soup

Size, inches	7
Measures, inches	8¾
Weight per dozen, lbs	9½
Per Dozen	$2 80

SAUCE BOATS

Regular

Size	2S
Capacity, ounces	15
Weight per dozen, lbs	6½
Per Dozen	$6.40

Double Spout, Fast Stand

Size	2S
Capacity, pints	1
Weight per dozen, lbs	10
Per Dozen	$14.40

SUGARS

Regular

Size	30S
Capacity, pints	1¼
Weight per dozen, lbs	9
Per Dozen	$9.60

Individual

Capacity, ounces	10
Weight per dozen, lbs	5
Per Dozen	$3.40

TEA POTS

Regular

Size	24S
Capacity, pints	2¾
Weight per dozen, lbs	15¼
Per Dozen	$12.80

Individual

Capacity, pints	1¼
Weight per dozen, lbs	10¼
Per Dozen	$12.00

TEAS

Handled

Capacity of cups 7 ounces; diameter of saucers 6 inches.

	Per Dozen
Cups and Saucers—Weight per dozen 6 pounds	$3 60
Cups Only—Weight per dozen 2½ pounds	2 40
Saucers Only—Weight per dozen 3½ pounds	1 20

CHINA WARE

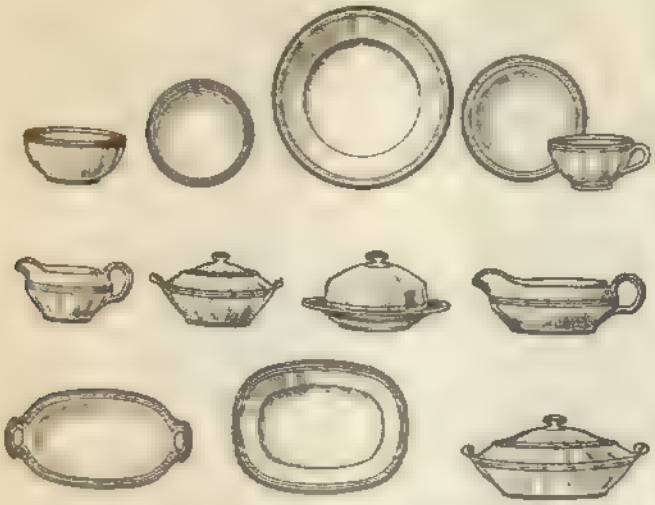
DINNER SETS

White Semi-Vitreous Porcelain

MAYFLOWER SHAPE

Decoration No. S117B

This is a decoration showing two gold lines, with blue line between, being a simple and harmonious design, and a big seller on account of its neat and attractive appearance.



32 Piece Set, Composition Special

No. S117B-32—Consists of 32 pieces as listed below; weight per set 25 pounds.....Per Set **$6 38**

Contents of No. S117B-32 Set

6 Plates	4 inch	6 Fruits	4 inch
6 Plates	7 inch	1 Dish	10 inch
6 Tea Cups	7 ounce	1 Baker	7 inch
6 Tea Saucers	6 inch		

42 Piece Set, Composition Special

No S117B-42—Consists of 42 pieces as listed below; weight per set 40 pounds.....Per Set **$9.03**

Contents of No. S117B-42 Set

6 Plates	4 inch	1 Dish	10 inch
6 Plates	5 inch	1 Baker	7 inch
6 Plates	7 inch	1 Sugar	30S
6 Tea Cups	7 ounce	1 Cream	30S
6 Tea Saucers	6 inch	1 Nappy	7 inch
6 Fruits	4 inch		

51 Piece Set, Composition No. 16½

No. S117B-51—Consists of 51 pieces as listed below; weight per set 50 pounds.....Per Set **$12 75**

Contents of No. S117B-51 Set

6 Plates	4 inch	1 Dish	8 inch
6 Plates	5 inch	1 Dish	10 inch
6 Plates	7 inch	1 Casserole	7 inch
6 Coupe Soups	6 inch	1 Baker	7 inch
6 Tea Cups	7 ounce	1 Sauce Boat	2S
6 Tea Saucers	6 inch	1 Sugar	30S
6 Fruits	4 inch	1 Cream	30S

100 Piece Set, Composition No. 16

No. S117B-100—Consists of 100 pieces as listed below; weight per set 70 pounds.....Per Set **$22 59**

Contents of No. S117B-100

12 Plates	4 inch	2 Covered Dishes	7 inch
12 Plates	5 inch	1 Baker	7 inch
12 Plates	6 inch	1 Covered Butter	5 inch
12 Plates	7 inch	1 Sauce Boat	2S
12 Tea Cups	7 ounce	1 Pickle	1S
12 Tea Saucers	6 inch	1 Sugar	30S
12 Fruits	4 inch	1 Cream	30S
1 Dish	8 inch	1 Bowl	36S
1 Dish	12 inch		

HAMPTON SHAPE

Decoration No. S0106

This is a two spray medallion, connecting hair line blue color and blue edge line; urn and flowers in soft tone colors, pink, blue, yellow, green and red, making an attractive combination of colors pleasing to the eye. It is a quick seller.

32 Piece Set, Composition Special

No. S0106-32—Consists of 32 pieces as listed below; weight per set 25 pounds.....Per Set **$6.30**

Contents of No. S0106-32 Set

6 Plates	4 inch	6 Fruits	4 inch
6 Plates	7 inch	1 Dish	10 inch
6 Tea Cups	7 ounce	1 Baker	7 inch
6 Tea Saucers	6 inch		

42 Piece Set, Composition Special

No. S0106-42—Consists of 42 pieces as listed below; weight per set 40 pounds.....Per Set **$9.11**

Contents of No. S0106-42 Set

6 Plates	4 inch	1 Dish	10 inch
6 Plates	5 inch	1 Baker	7 inch
6 Plates	7 inch	1 Sugar	30S
6 Tea Cups	7 ounce	1 Cream	30S
6 Tea Saucers	6 inch	1 Nappy	7 inch
6 Fruits	4 inch		

51 Piece Set, Composition No. 16½

No. S0106-51—Consists of 51 pieces as listed below; weight per set 50 pounds.....Per Set **$12 89**

Contents of No. S0106-51 Set

6 Plates	4 inch	1 Dish	8 inch
6 Plates	5 inch	1 Dish	10 inch
6 Plates	7 inch	1 Casserole	7 inch
6 Coupe Soup	6 inch	1 Baker	7 inch
6 Tea Cups	7 ounce	1 Sauce Boat	2S
6 Tea Saucers	6 inch	1 Sugar	30S
6 Fruits	4 inch	1 Cream	30S

100 Piece Set, Composition No. 16

No. S0106-100—Consists of 100 pieces as listed below; weight per set 70 pounds.....Per Set **$23 11**

Contents of No. S0106-100 Set

12 Plates	4 inch	2 Covered Dishes	7 inch
12 Plates	5 inch	1 Baker	7 inch
12 Plates	6 inch	1 Covered Butter	5 inch
12 Plates	7 inch	1 Sauce Boat	2S
12 Fruits	4 inch	1 Pickle	1S
12 Tea Cups	7 ounce	1 Sugar	30S
12 Tea Saucers	6 inch	1 Cream	30S
1 Dish	8 inch	1 Bowl	36S
1 Dish	12 inch		

CHINA WARE

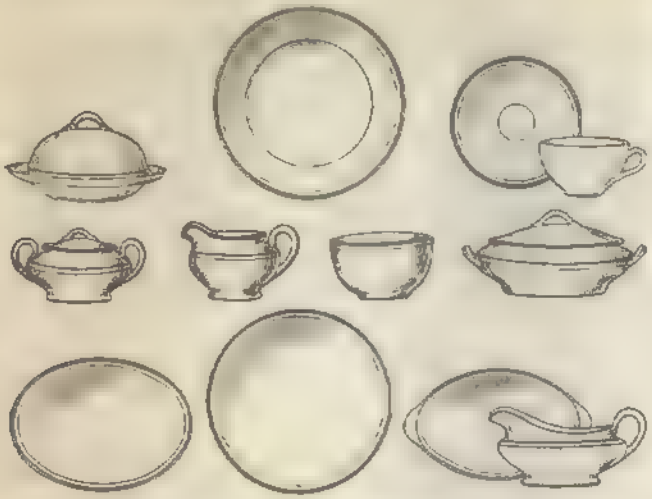
DINNER SETS

White Semi-Vitreous Porcelain

HAMPTON SHAPE

Decoration No. 8010

This is a neat two gold line decoration, popular with the trade and a ready seller.



32 Piece Set, Composition Special

No. 8010-32—Consists of 32 pieces as listed below; weight per set 25 pounds.....Per Set **$5.60**

Contents of No. 8010-32 Set

6 Plates .....4 inch	6 Fruits ..... 4 inch
6 Plates .....7 inch	1 Dish .....10 inch
6 Tea Cups .....7 ounce	1 Dish ..... 7 inch
6 Tea Saucers .....6 inch	

42 Piece Set, Composition Special

No. 8010-42—Consists of 42 pieces as listed below; weight per set 40 pounds.....Per Set **$8 10**

Contents of No. 8010-42 Set

6 Plates .....4 inch	1 Dish .....10 inch
6 Plates .....5 inch	1 Baker .....7 inch
6 Plates .....7 inch	1 Sugar 30S
6 Fruits .....4 inch	1 Cream 30S
6 Tea Cups .....7 ounce	1 Nappy .....7 inch
6 Tea Saucers .....6 inch	

51 Piece Set, Composition No. 10¾

No. 8010-51—Consists of 51 pieces as listed below; weight per set 50 pounds.....Per Set **$11.46**

Contents of No. 8010-51 Set

6 Plates .....4 inch	1 Dish ..... 8 inch
6 Plates .....5 inch	1 Dish ..... 10 inch
6 Plates .....7 inch	1 Casserole ..... 7 inch
6 Coupe Soups .....6 inch	1 Baker ..... 7 inch
6 Tea Cups .....7 ounce	1 Sauce Boat 2S
6 Tea Saucers .....6 inch	1 Sugar 30S
6 Fruits .....4 inch	1 Cream 30S

100 Piece Set, Composition No. 7

No. 8010-100—Consists of 100 pieces as listed below; weight per set 70 pounds.....Per Set **$20.54**

Contents of No. 8010-100 Set

12 Plates .....4 inch	2 Covered Dishes....7 inch
12 Plates .....5 inch	1 Baker .....7 inch
12 Plates .....6 inch	1 Covered Butter ...5 inch
12 Plates .....7 inch	1 Sauce Boat 2S
12 Fruits .....4 inch	1 Pickle 1S
12 Tea Cups.....7 ounces	1 Sugar 30S
12 Tea Saucers.....6 inch	1 Cream 30S
1 Dish ..... 8 inch	1 Bowl 36S
1 Dish .....12 inch	

GLASS WARE

TUMBLERS

No. 418 No. 584 No. 5 6

Common

	418	584
Nos.		
Capacity, ounces	8	6¾
Dozen in barrel.....	22	20
Weight per barrel, lbs.....	154	158
Per Dozen	**$1.00**	**1.00**

Open stock.

Iced Tea

No.	536
Capacity, ounces	12
Dozen in barrel	13
Weight per barrel lbs.	151
Per Dozen	**$1 50**

Open stock

PERCOLATOR TOPS

Standard

Will fit all percolators of the glass top style.

No. 2528—Plain, size 2⅛x2⅛ inches; weight per dozen about 2 pounds.. .....Per Dozen **$0 60**

Open stock.

WHITE ENAMEL TOILET STANDS

ALL METAL

Rigid in construction, sanitary in appearance, cleaned in a jiffy, space savers and inexpensive.

The finish on these stands is three coats of baked white enamel; each article specially designed for its purpose; accessories are best grade white porcelain enamel ware.

Stands Only

No. 710—Stand only, without enamel ware; net weight each 12 pounds. Each **$4.50**

Complete with Enamel Ware

No. 710½—Toilet Stand; has strong steel shelf bolted into frame; height 30 inches; diameter at top 14 inches; includes bowl, pitcher, towel rack and soap dish; net weight complete 15 pounds.....Each **$8.50**

TOOL CABINETS

Clean Cut

No. 5 CLEAN CUT

Heavy solid oak cabinet with two paneled doors. Weathered oak finish. Varnished and hand rubbed. Brass trimmings throughout. Steel cabinet lock and key. Inside drawer 3 inches deep. Outside dimensions: 38 inches high, 29 inches wide, 10 inches deep. Complete outfit of highest grade tools. **Fully warranted.**

		Each
No. 5-C. C.	**Complete with 47 tools, etc. Weight each, 74 lbs.**	**$115.00**

Contents:

1	Hand saw, No. 70, 26"
1	Rip saw, No. 70, 26"
1	Hack saw frame, No. 650
1	Coping saw, No. 125
1	" Nail hammer, No. 511½
1	" Hatchet, No. 302
1	" Pocket chisel, No. 800, ¼"
1	" Pocket chisel, No. 800, ½"
1	" Pocket chisel, No. 800, ¾"
1	" Pocket chisel, No. 800, 1"
1	" Pocket chisel, No. 800, 1¼"
1	" Pocket chisel, No. 800, 1½"
1	" Auger bit, No. 100, 4/16"
1	" Auger bit, No. 100, 6/16"
1	" Auger bit, No. 100, 8/16"
1	" Auger bit, No. 100, 10/16"
1	" Auger bit, No. 100, 12/16"
1	" Auger bit, No. 100, 14/16"
1	" Auger bit, No. 100, 16/16"
1	" Ratchet brace, No. 4310, 10"
1	" Screw driver, No. 100, 3"
1	" Screw driver, No. 930, 5"
1	" Awl and tool set, No. 40
1	" Draw knife, 8"
1	Combination pliers, No. 106, 6"
1	Mill bastard file, 8"
1	Slim taper file, 6"
1	Oil stone, No. 10
1	" Wing divider, No. 330, 6"
1	" Cabinet scraper, 3x5"
1	" Compass saw, 12"
1	" Gimlet bit, 4/32"
1	" Gimlet bit, 8/32"
1	" Gimlet bit, 12/32"
1	" Screw driver bit, No. 260
1	" Nail set, No. 10
1	" Snail countersink, No. 200
1	" Square reamer, No. 380
1	Stanley block plane, No. 9½
1	Stanley jack plane, No. 26
1	Stanley try square, No. 20, 7½"
1	Stanley marking gauge, No. 62
1	Stanley level, No. 104, 18"
1	Magnetic tack hammer, No. 272
1	Boxwood rule, No. 66½
1	Zinc oil can, No. 1
1	Gill can Le Page's glue

TOOL CABINETS ONLY

With wire fixtures for holding tools.

		Each
No. 05	**Cabinet only, without tools. Weight each, 51 lbs.**	**$50.00**

TOOL CABINETS

Clean Cut

No. 4—CLEAN CUT

Heavy solid oak cabinet with two paneled doors. Weathered oak finish. Varnished and hand rubbed. Brass trimmings throughout. Steel cabinet lock and key. Inside drawer 5 inches deep. Outside dimensions 29 inches high, 25 inches wide, 10 inches deep. Complete outfit of highest grade tools **Fully warranted.**

		Each
No. 4-C. C.	**Complete with 44 tools, etc. Weight each, 62 lbs.**	**$60.00**

Contents:

1	Hand saw, No. 70, 18"
1	Rip saw, No. 70, 18"
1	Hack saw frame, No. 650
1	Coping saw, No. 125
1	" Nail hammer, No. 511½
1	" Hatchet, No. 302
1	" Pocket chisel, No. 800, ¼"
1	" Pocket chisel, No. 800, ½"
1	" Pocket chisel, No. 800, 1 "
1	" Auger bit, No. 100, 4/16"
1	" Auger bit, No. 100, 6/16"
1	" Auger bit, No. 100, 8/16"
1	" Auger bit, No. 100, 10/16"
1	" Auger bit, No. 100, 12/16"
1	" Auger bit, No. 100, 14/16"
1	" Auger bit, No. 100, 16/16"
1	" Ratchet brace, No. 4310, 10"
1	" Screw driver, No. 100, 3"
1	" Screw driver, No. 930, 5"
1	" Awl and tool set, No. 40
1	" Draw knife, 8"
1	" Combination pliers, No. 106, 6"
1	Mill bastard file, 8"
1	Slim taper file, 6"
1	Oil stone, No. 40
1	Wing divider, No. 330, 6"
1	" Cabinet scraper, 3x5"
1	" Compass saw, 12"
1	" Gimlet bit, 4/32"
1	" Gimlet bit, 8/32"
1	" Gimlet bit, 12/32"
1	" Screw driver bit, No. 260
1	" Nail set, No. 10
1	" Snail countersink, No. 200
1	" Square reamer, No. 350
1	Stanley block plane, No. 9½
1	Stanley jack plane, No. 26
1	Stanley try square, No. 20, 7½"
1	Stanley marking gauge, No. 62
1	Stanley level No 31, 3"
1	Magnetic tack hammer, No. 272
1	Boxwood rule, No. 66½
1	Zinc oil can, No. 1
1	Gill can LePage's glue

TOOL CABINETS ONLY

With wire fixtures for holding tools

		Each
No. 04	**Cabinet only, without tools. Weight each, 39 lbs.**	**$18.00**

TOOL CABINETS

Clean Cut Tool Work

No. 3—CLEAN CUT

Heavy solid oak cabinet with two paneled doors. Weathered oak finish. Varnished and hand rubbed. Brass trimmings throughout. Steel cabinet lock and key. Inside drawer 5 inches deep. Outside dimensions 27 inches high, 20 inches wide, 10 inches deep. Complete outfit of highest grade tools. **Fully warranted.**

		Each
No. 3-C. C.	**Complete with 34 tools, etc. Weight each, 50 lbs.**	**$50.00**

Contents:

1	Clean Cut	Hand saw, No. 70, 18"
1	Clean Cut	Hack saw frame No 650
1		Coping saw, No. 125
1	"	Screw driver, No. 100, 3"
1	"	Screw driver, No. 930, 5"
1	"	Pocket chisel, No. 800, ¼"
1	"	Pocket chisel, No. 800, ½"
1	"	Pocket chisel, No. 800, 1 "
1	"	Auger bit, No. 100, 4/16"
1	"	Auger bit, No. 100, 8/16"
1	"	Auger bit, No. 100, 12/16"
1	"	Ratchet brace, No. 4310, 10"
1	"	Nail hammer, No. 511½
1	"	Combination pliers, No. 106, 6"
1	"	Slim taper file, 6"
1	"	Awl and tool set, No. 40
1	"	Oil stone, No. 40
1	Clean Cut	Draw knife, 8"
1	Clean Cut	Wing divider, No 330, 6"
1		Cabinet scraper, 3x5"
1	"	Gimlet bit, 4/32"
1	"	Gimlet bit, 8/32"
1	"	Gimlet bit, 12/32"
1	"	Nail set, No. 10
1	"	Snail countersink, No. 200
1	Boxwood rule, No. 66½	
1	Stanley block plane, No. 9½	
1	Stanley jack plane, No. 26	
1	Stanley try square, No. 20, 7½"	
1	Stanley marking gauge, No. 62	
1	Stanley level, No. 31, 3"	
1	Magnetic tack hammer, No. 272	
1	Zinc oil can, No. 1	
1	Gill can LePage's glue	

TOOL CABINETS ONLY

With wire fixtures for holding tools.

		Each
No. 03	**Cabinet only, without tools. Weight each, 33 lbs.**	**$16.00**

TOOL CABINETS

No. 2—CLEAN CUT

Heavy hardwood cabinet with paneled box door. Weathered oak finish. Varnished and hand rubbed. Brass trimmings throughout. Steel cabinet lock and key. Inside drawer 3 inches deep. Outside dimensions: 24 inches high, 15½ inches wide, 5½ inches deep. Complete outfit of highest grade tools. Fully warranted.

Contents:

1	Hand saw, No. 70, 18"
1	Screw driver, No. 100, 5"
1	Pocket chisel, No. 800, ¼"
1	Pocket chisel, No. 800, ½"
1	" Pocket chisel, No. 800, 1"
1	" Auger bit, No. 100, 4/16"
1	" Auger bit, No. 100, 8/16"
1	" Auger bit, No. 100, 12/16"
1	" Ratchet brace, No. 4308, 8"
1	" Nail hammer, No. 511½
1	" Comb'tion plier, No. 106, 6"
1	" Slim taper file, 6"
1	" Awl and tool set, No. 40
1	" Oil stone, No. 40
1	" Gimlet bit, No. 140, 4/32"
1	" Nail set, No. 10
1	" Snail countersink, No. 200
1	Boxwood rule, No. 68
1	Stanley block plane, No. 9½
1	Stanley try square, No. 20, 7½"
1	Stanley spoke shave, No. 52
1	Stanley marking gauge, No. 62
1	Zinc oil can, No. 1
1	Small can LePage's glue.

No. 2-C. C. Complete with 24 tools, etc. Weight each, 25 lbs. Each **$20.00**

TOOL CABINETS ONLY

With wire fixtures for holding tools.

No. 02 Cabinet only, without tools. Weight each, 18 lbs. Each **$6.00**

Heavy hardwood cabinet with paneled box door. Weathered oak finish. Varnished and hand rubbed. Brass trimmings throughout. Steel cabinet lock and key. Inside drawer 3 inches deep. Outside dimensions: 22 inches high, 11 inches wide, 5½ inches deep. Complete outfit of highest grade tools. Fully warranted.

Contents:

1	Hand saw, No. 70, 16"
1	Screw driver, No. 100, 4"
1	Auger bit, No. 100, 4/16
1	Auger bit, No. 100, 8/16"
1	" Pocket chisel, No. 800, ½"
1	" Ratchet brace, No. 4308, 8"
1	" Nail hammer, No. 512
1	" Comb'nation plier, No. 106, 6"
1	" Gimlet bit, No. 140, 6/32"
1	" Nail set, No. 10
1	Boxwood rule, No. 68
1	Stanley block plane, No. 9½
1	Stanley try square, No. 20, 6"
1	Stanley brad awl, No. 1

No. 1-C. C. Each **$23.00**

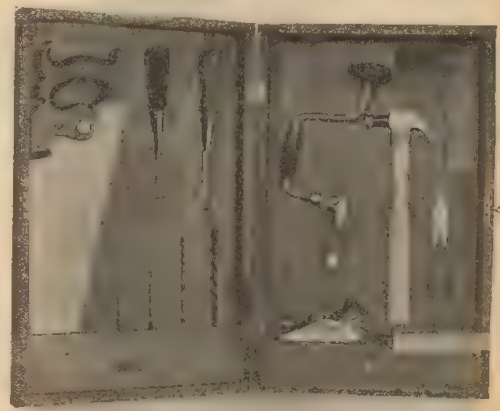
Complete with tools. Weight each, 20 lbs.

TOOL CABINETS ONLY

With wire fixtures for holding tools

No. 01 Each **$6.00**

Cabinet only, without tools. Weight each, 11 lbs



No. 1—CLEAN CUT

TOOL KITS

Clean Cut

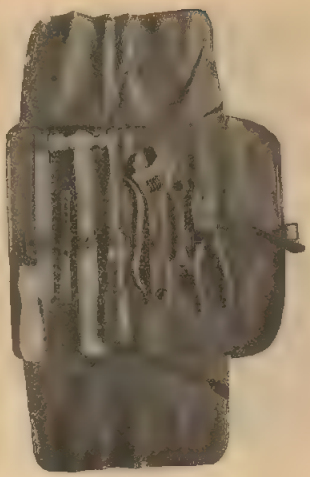
NO. 1-A—KIT

Heavy brown duck roll, leather bound. Adjustable leather loops; inside flaps. Complete with leather strap and buckle. Dimensions of roll, 12x14 inches.

Eight High-Grade Tools

1	Clean Cut	Universal pliers, No. 307, 7"
1		Ball pein hammer, No. 557, 6 oz.
1		Screw driver, No. 100, 5"
1	"	Cold chisel, ½"
1	"	Mill file, 8"
1	Crescent pattern wrench, 8"	
1	Semi-finished engineer's wrench, No. 25	
1	Cotter pin tool, No. 1898	

No.	Wt. each	Each
1-A	8¼ lbs.	$5.50
O-1-A	Rolls only	1.50



No. 1-A—KIT

No. 2-A—KIT

NO. 2-A—KIT

Heavy brown duck roll, leather bound. Adjustable leather loops; inside flaps. Complete with leather strap and buckle. Dimensions of roll, 14x22 inches.

Twelve High-Grade Tools and Accessories

1	Clean Cut	Universal pliers, No. 307, 7"
1		Ball pein hammer, No. 557, 6 oz.
1		Screw driver, No. 100, 8"
1		Screw driver, No. 970, 2½"
1	"	Cold chisel, ½"
1	"	Mill file, 8"
1	"	Round file, 8"
1	Crescent pattern wrench, 8"	
1	Semi-finished engineer's wrench, No. 25	
1	Cotter pin tool, No. 1898	
1	Auto assortment lock washers	
1	Auto assortment spring cotters	

No.	Wt. each	Each
2-A	5 lbs.	$7.50
O-2-A	Rolls only	2.00

TOOL KITS

Clean Cut TOOLS MADE

NO. 3-A—KIT

Heavy brown duck roll, leather bound. Adjustable leather loops; inside flaps. Complete with leather strap and buckle. Dimensions of roll, 14x27 inches.

Twenty-two High-Grade Tools and Accessories

No. 3-A—KIT

1 Side cutting pliers, No. 80, 6"
1 Universal pliers, No. 307, 7"
1 Ball pein hammer, No. 557, 6 oz
1 Screw driver, No 110, 5½"
1 Screw driver, No. 209, 6"
1 Screw driver, No. 970, 2½"
1 Cold chisel, ⅝"
1 Cold chisel, ½"
1 Mill file, 8"
1 Round file, 8"
1 Square file, 8"
1 Slim taper file, 6"
1 Knife handle wrench, 10"
1 Crescent pattern wrench, 8"
1 Semi-finished engineer's wrench, No. 25
1 Semi-finished engineer's wrench, No. 30
1 Cotter pin tool, No. 1898
1 Bearing scraper, No. 1754
1 Machinist's punch, No. 4
1 Machinist's punch, No. 15
1 Auto assortment lock washers
1 Auto assortment spring cotters

No.	Wt. each	Each
3-A	9½ lbs	$15.00
0-3-A	Rolls only	2.50

TOOL CHESTS

17 Standard Mechanics Tools

Contents

No. 40, ¼, ½, ¾ and 1-inch Riverside auger bits; No. [illegible]-inch gimlet bit; No. 2108 Riverside ratchet brace; No. 209, 5-inch screw driver; No. 211½ Sunset nail hammer; No. 1 Sunset claw hatchet; No. 102 level, No. 110 block plane, 6-inch; C. T. C. combination plier; No. 68 boxwood rule, 22-inch Sunset hand saw, No. 2-CC oil stone; 8-inch agricultural wrench; No. 016 awls and tools. Varnished hardwood hinged chest. Inside measurement, 27x8½x4 inches

No.	Wt each	Each
1900	Complete 18½ lbs	$18.00
01900	Chest only 6¾ lbs	6.00

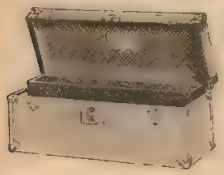
No. 1900

TOOL CHESTS

GREEN LINE

Wood lined, covered with olive green baked enamel steel. Bound on all edges with extra heavy gauge steel angle, in the same finish. Extra heavy lock and hardware, brass finished. Steel hinges. Heavy leather ring handle.

GENERAL MECHANIC'S CASE



No. 70-20

An extremely sturdy and practical case for any general use. Convenient tray.

No.	Size, in.	Wt. each	Each
70-20	8x8x20	8¾ lbs.	$7.00

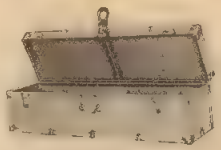
CARPENTER'S SUIT CASE CHEST

No. 90-32

Side opening. Sturdily built through out. Has brackets for level and saws. Convenient tray. Room for square and all tools a carpenter or pattern maker needs

No.	Size, in.	Wt. each	Each
90-32	16¼x6¾x32	13½ lbs	$14.00

CARPENTER'S SHOULDER CHEST

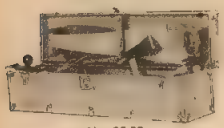


No. 80-32

Sturdy construction throughout. Saw bracket in lid for three saws.

No.	Size, in.	Wt each	Each
80-32	8x8x32	12 lbs	$11.00

CARPENTER'S SHOULDER CHEST



No. 85-32

An exceptionally sturdy, practical case made to meet the popular demand for an inexpensive tool case. Same as No. 80-32 except it has lighter lock and bolts.

No.	Size, in.	Wt. each	Each
85-32	8x8x32	11¾ lbs.	$9.00

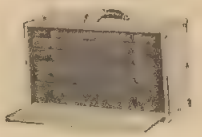
HOUSEHOLDER'S GENERAL CASE

No. 70-25

A very practical case for general household use. Accomodates a 20-inch saw and all the tools the householder needs. Has tray for bolts, nuts, washers, screws, nails and other miscellaneous pieces

No	Size, in.	Wt. each	Each
70-25	8x8x25	11 lbs.	$8.50

MECHANIC'S AND PATTERN MAKER'S CASE



No. 130-20

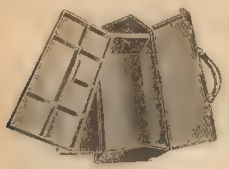
Side opening. Lid slides into bottom of case when open Has 5 drawers with cloth lined bottoms. Sturdy construction throughout.

No	Size, in.	Wt. each	Each
130-20	12½x8x20	16 lbs	$15.00

All Green Line Tool Cases are shipped, packed in individual cartons. This reduces shipping costs, eliminates damages, makes them easier to handle, economizes on storage space.

KENNEDY ALL-STEEL

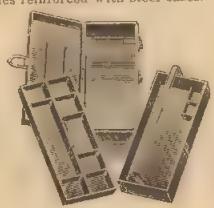
Built to withstand hard usage. Not damaged by oil or grease. Weather-proof. Easy to carry. Finished in brown baked enamel. Fitted with Corbin locks. Leather handles reinforced with steel cases.



NOS. 116 AND 118

Shaped like a leather bag. Tray very handy for small parts. A practical kit for garage mechanics

No.	Size in.	Wt. each	Each
116	16x 9x11	8 lbs.	$9.00
118	18x10x13	10 lbs.	9.50



No. 716

Equipped with two trays. One is divided for small parts, the other designed for tools.

No	Size in.	Wt. each	Each
716	16x7x9	8¾ lbs.	$10.50

NOS. 321 AND 324

These Electrician's Kits have a tray which extends only part of the length of the kit, leaving room in the end for a blow torch

No.	Size, in.	Wt each	Each
321	21 x8x9	8½ lbs.	$ 9.50
324	24½x6x9	8¾ lbs.	10.00

Loose.

IRON BLOCK PLANES

BAILEY'S

Cast iron body and cap, polished faces and sides, brass adjusting screw, tempered, ground and polished tool steel cutters. They have an improved form of adjustment for adjusting cutters endwise and sidewise. The cutter rests on its seat at an angle of 20 degrees.

Adjustable Throat, With Handy Feature

Each

No. 8¾—6 in. long, 1⅝ in. cutter, japanned trimmings, wt. each 1½ lbs $2.45

No. 15—7 in. long, 1⅝ in. cutter, Japanned trimmings, weight each 1⅞ lbs. 2.75

One in a Box

Knuckle Joint, Nickel Trimmings

Fitted with a patented new form of lever or cap made entirely of steel, making it indestructible

Each

No. 18—6 in. long, 1⅝ in. cutter, weight each 1½ lbs... $3.05

One in a Box.

Knuckle Joint, Nickle Trimmings

Fitted with patented new form all steel lever or cap. Indestructible.

Each

No. 19—7 in. long 1⅝ in. cutter; weight each 1⅞ lbs. .$3.25

One in a Box

CARRIAGE MAKERS' RABBET PLANES

Especially adapted for the heavy framing required in mining work, for carriage or wagon building, or in any work of similar nature. Adjustable cutters. Rosewood handles and knobs.

No. 10½

No. 10.

Smooth Bottom, Rosewood Handles and Knobs

Each

No. 10½—9 in. long, 2⅛ in. cutter, weight each 3 lbs. $6.85

No. 10—15 in. long, 2⅛ in. cutter, weight each 4½ lbs. ... 7.70

One in a Box.

DUPLEX FILLETSTER AND RABBET PLANES

Japanned cast iron frame and handle, tempered and polished tool steel cutters.

Each

No. 78—8½ in. long, 1½ in. cutter, with spur and detachable depth gauge, weight each 3 lbs. $3.95

Has two seats for the cutter, one for regular and the other for buil-nose work. It has a spur and a removable depth gauge. The adjustable fence can be used on either side and slides under the bottom. To work as a rabbet plane, remove fence and arms.

One in a Box.

IRON PLANES

BULL NOSE RABBET

For working close up into corners or other difficult places. Adjustable mouth.

Japanned

Each

No. 75—4 in. long, 1 in. cutter, weight each ¾ lb..... ....$0.90

One in a Box.

EDGE TRIMMING PLANE

Each

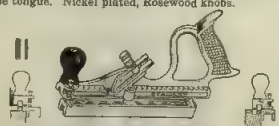
No. 95—6 in. long, ⅞ in cutter, weight each 1¼ lbs. $2.50

Designed especially for trimming or smoothing the ends of boards, such as siding, etc., for a square and close fit. It has a right angle rest or guide from the cutter edge and the cutter works on a skew giving an easy shaving cut. The rest or guide has two screw holes to which wood blocks of various levels may be attached enabling user to make a slanting cut.

One in a Box.

SWINGING FENCE MATCH PLANES

These planes have two plow cutters of the same width, and one extra wide cutter. The fence in one setting exposes two cutters for cutting the tongue, and, when reversed, leaves only one exposed for cutting the groove. On thicker boards than the plane works on center, the extra wide cutter is used when cutting the tongue. Nickel plated, Rosewood knobs.



Each

No. 48—Cuts ⅛ in. groove on boards ¾ in. to 1¼ in. centers on ⅞ in., weight each 3¾ lbs. $6.30

No. 49—Cuts ⅛ in. groove on boards ½ to ¾ in., centers on ⅛ in., weight each 2¾ lbs. 6.30

One in a Box.

ROUTER PLANES

Nickel Plated Stock.

OPEN THROAT

Cutters are adjustable and can be held on the front of the cutter post for regular work or on the back for bull nose work. An attachment for closing the throat, for use on narrow surfaces and regulating depth of cut, is furnished.

Each

No. 71—**Open throat**, 7⅛ in. long, two cutters, ¼ and ½ in., weight each 2⅝ lbs. $4.85

CLOSED THROAT

Cutters are adjustable and can be held on the front of the cutter post for regular work or one the back for bull nose work.

Each

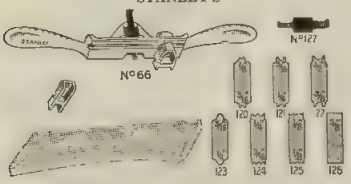
No. 71½—**Closed throat**, 7⅛ in. long, two cutters, ⅛ and ½ in., weight each 2⅛ lbs.....$3.80

These planes are for surfacing the bottom or other depressions parallel with the general surface of the work. They are made in two styles, differing in the form of throat.

One in a Box.

HAND BEADERS

STANLEY'S



Two Curved Handles, All Metal, Nickel Plated

	Each
No 66—11½ in. long, with 8 cutters; weight each 1¾ lbs.	$1.75

This is an excellent tool for beading, reeding or fluting straight or irregular surfaces and for light routering. The sample illustrated shows some of the work that can be done with its use. With each beader are furnished a square gauge for straight work and an oval gauge for curved work. There are also furnished eight cutters sharpened at both ends and embracing the following assortment: 6 single beads, 1/8, 5/32, 3/16, 7/32, 1/4, 5/16, and 3/8 inches; 2 fluting tools 5/32 and 1/4 inches; 4 reeding tools (2 beads 5/32 inch, 3 beads 1/4 inch, and 3 beads 1/4 inch and 4 beads 1/8 inch); 2 routers 1/8 and 1/4 inch, and a 5/16 inch blank, which latter cutter the owner can file as he desires.

The handles are curved so as to insure ample room between the workman's hands and the surface of the work.

One in a Box

SCRAPER PLANES

STANLEY'S

Single Handle

The handle and knob have the same form as the regular "Bailey" Plane, being preferred by some users to the two-handle or double grip form of scraper plane.

The blades are adjustable endwise and for angle, and can be firmly locked in position desired.

Japanned

	Each
No. 112—9 in. long 2⅜ in. blade, weight each 4 lbs.	$5 10

One in a Box

	Each
Extra Blades—For No. 112 scraper plane	$0.20

Open Stock

HANDLED SCRAPERS

STANLEY'S

Double Handle

One piece cast iron body and double handle, Japanned.

	Each
No. 80—11 in. long, 2¾ in. blade, weight each 1¾ lbs.	$1.55
Extra Blades—For No. 80 scraper	.40

The blade may be sprung to a slight curve by means of a thumb screw, giving ease of operation and quickness of cut. The handles are raised to protect the user's hands, and pierced so that the tool can be hung out of the way.

One in a Box.

HANDLED SCRAPERS

STANLEY'S

Double Handle, Rosewood Bottom

One piece cast iron body and handles, nickel plated.

	Each
No. 81—10 in. long, 2½ in. blade, weight each 2¼ lbs.	$2.40
Extra Rosewood Bottom—For No. 81 scraper	.50
Extra Blades For No. 81 scraper	.40

This scraper has a rosewood bottom for use in the finest cabinet work. The handles are raised to protect the hands, and pierced so that it can be hung up out of the way.

One in a Box.

CABINET SCRAPERS

STARRETT'S UNIVERSAL

Adjustable, fine steel blade, ground square making 8 sharp cutting edges, hardwood handle, ball connection, removable guard.

	Per Dozen
No. 194—8¾ in. long, 3x4⅝ in. blade, weight per dozen 15 lbs.	$15 00

Any edge may be brought into constant use by means of the ball joint connection in handle. The removable guard works equally well on any side.

This scraper is for use on floors, benches, meat blocks, cabinet work and any hardwood.

One in a Box

HAND SCRAPERS

STANLEY'S

No. 0 High grade English steel, specially tempered for this work.

Inches	2½x5	3x4	3x5	3x6
Weight per dozen, lbs.	2	2	2½	3
Per dozen	$4.80	4.80	5.40	5.40

Open Stock

PLANE GAUGES

STEARNS ADJUSTABLE

Can be adjusted to any iron or wood jack or jointer plane and guiding it in planing bevels of any required angle; for wood planes substitute round head wood screw for cam lever.

	Per Dozen
No. 7—9 in. long, Japanned iron clamp bar and lever clamp; polished nickel plated trimmings, weight per dozen 17 lbs.	$18.00

One half Dozen in a Box.

TRAMMEL POINTS

STANLEY'S

For striking larger arcs or circles than can be done with divider; polished bronze metal frames and set screws; tempered and polished steel points.

Nos	1	2
Size	Small	Medium
For straight edge, inches	5/8	1
Length points, inches	1¾	1⅞
Length over all, inches	3⅛	4¼
Weight per set, lbs.	¼	⅜
Per set	$1.70	2.20

One Set in a Box

PLANES

V. & B.

Drop forged steel, vanadium steel cutter, gray enameled finish, walnut handle and knob.

SMOOTH BOTTOM

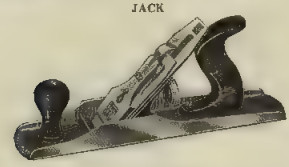
Smooth

Each

No. 903—8 in. long, 1⅝ in. cutter, weight each 3½ lbs. $5.00

No. 904—9 in. long, 2 in. cutter, weight each 3¾ lbs. 5.30

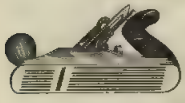
JACK



Each

No. 905—14 in. long, 2 in. cutter, weight each 4¾ lbs..... $6.10

CORRUGATED BOTTOM



Smooth

Each

No. 903C—8 in. long, 1⅝ in. cutter, wt. each 3½ lbs. $5.08

No. 904C—9 in. long, 2 in. cutter, wt. each 3¾ lbs. 5.56

JACK

Each

No. 905C—14 in. long, 2 in. cutter, weight each 4¾ lbs. $6 40

One in a Box

IRON BLOCK PLANES

STANLEY

Japanned cast iron frames and caps, high grade steel cutters, carefully tempered and sharpened.

Non-Adjustable

Each

No. 101—3½ in. long, 1 in. cutter, weight each ¾ lbs..... $0.50

Six in a Box.

Each

No. 102—5½ in. long, 1⅝ in. cutter, wt. each ⅞ lb. $0 90

One in a Box.

Each

No. 110—7 in. long, 1⅝ in cutter, weight each 1⅝ lbs. $1.25

One in a Box.

Adjustable

Each

No. 103—5½ in. long, 1⅝ in. cutter, lever adjustment, weight each ⅞ lbs. $1.30

One in a Box.

IRON BLOCK PLANES

STANLEY

Japanned cast iron frames and caps, high grade steel cutters, carefully tempered and sharpened.

ADJUSTABLE

Each

No. 129—7 in. long, 1⅝ cutter, lever adjustment, wt. each 1⅞ lbs. $1 80

One in a box.

DOUBLE END NON-ADJUSTABLE

Has two slots and two cutter seats.

Each

No. 130—8 in. long, 1⅝ in. cutter, weight each 1⅝ lbs. $1 85

One in a Box.

DOUBLE END ADJUSTABLE

Combination block and bull nose plane, Japanned trimmings, rosewood knob.

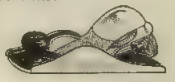
Each

No. 131—8 in. long, 1⅝ in. cutter, weight each 1½ lbs. $3 00

One in a Box.

BLOCK AND RABBET

A detachable side changes it from a block to a rabbet plane, skew cutter, rosewood knob, Japanned trimmings.



Each

No. 140—7 in. long, 1⅝ in cutter, weight each 1¼ lbs..... $3.20

One in a Box.

LOW ANGLE BLOCK, ADJUSTABLE

Each

No. 60—6 in. long, 1⅝ in cutter, screw adjustment, nickel plated trimmings, wt. each 1¼ lbs. $2 85

The cutter is adjustable endwise and rests on its seat at an angle of 12 degrees

One in a Box.

KNUCKLE JOINT

Fitted with a new and patented form of lever or cap which being entirely of steel makes it practically indestructible

Each

No. 65—7 in. long 1⅝ in. cutter, nickel trimmings, wt. each 1⅞ lbs..... $3.40

One in a Box.

ADJUSTABLE IRON PLANES

STANLEY'S RABBET

Japanned iron stock, 8 in. long, with spur for working across the grain and detachable depth gauge.

Nos.	190	191	192
Cutter, in.	1½	1¼	1
Weight each, lbs.	2½	2¼	2
Each	$3.60	3.80	3.10

These planes will lie perfectly flat on either side, and can be used with right or left hand equally well, while planing into corners or up against perpendicular surfaces.

The planes of this design which are fitted with spur are adapted for use for working across the grain.

One in a Box.

STANLEY'S IMPROVED DADO

Japanned iron stock, 8 in. long, with skew cutters, adjustable depth gauge and two adjustable spurs.

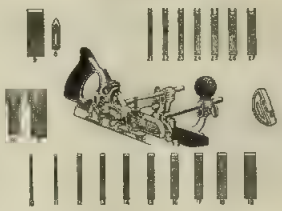
Nos.	39¼	39⅜	39½	39⅝	39¾	39⅞
Cutter, in.	¼	⅜	½	⅝	¾	⅞
Weight each, lbs.	1⅜	1⅜	1⅜	2	2	2¼
Each	$3.85	4.05	4.30	4.50	4.70	4.90

The great advantage of these Dado planes over those of wood is that they will keep true under all conditions even in the narrowest widths. They have skew cutters, an adjustable depth gauge and two adjustable spurs, one on each side of the plane. This adjustable feature permits of the spurs being adjusted to take up wear, as well as for the depth of the cut.

One in a Box.

COMBINATION PLANES

STANLEY'S



Plow, Beading, Rabbet and Matching

Nickel plated frame, selected rosewood handle, knob and fence.

No. 45—10 in. long, complete with 23 cutters as listed below, adjustable fence, depth gauge and spurs, put up in a neat steel box, weight per set 9½ lbs. ..... Each $15.00

Cutters Regularly Supplied With Plane.
The prices are given in case duplicates should be required.

No		Each
1	1½ in. sash tool	$1.00
5	⅛ in. match tool	1.00
6	⅛ in. match tool	1.00
8	Slitting tool	.60
9	1¼ in. Fillet ster	.50
10	⅛ in. plow and dado tool	.30
11	⅛ in. plow and dado tool	.30
12	⅛ in. plow and dado tool	.30
13	⅛ in. plow and dado tool	.30
14	⅜ in. plow and dado tool	.40
15	⅛ in. plow and dado tool	.40
16	⅛ in. plow and dado tool	.40
17	⅜ in. plow and dado tool	.40
18	⅜ in. plow and dado tool	.40
18½	⅛ in. plow and dado tool	.50
19	⅛ in. plow and dado tool	.50
21	⅛ in. beading tool	.30
22	⅛ in beading tool	.30
23	¼ in. beading tool	.30
24	⅛ in. beading tool	.40
25	⅜ in. beading tool	.40
26	⅛ in. beading tool	.50
27	½ in. beading tool	.50

Seven tools in one compact and practical form; (1) beading and center beading plane, (2) plow, (3) dado, (4) rabbet and filletster, (5) match plane, (6) sash plane, (7) slitting plane.

The plane is fitted with spurs for use across the grain and can be used either right or left hand.

One in a Box

COMBINED PLOW, DADO, FILLETSTER AND MATCHING

Iron Stock, Nickel Plated, Rosewood Handle and Knob.

No. 46—10½ in. long, 12 cutters, comprising 9 plow and dado bits, ⅛, ¼, ⅛, ⅜, ½, ⅝, ⅛, ⅞ and 1¼ in., one 1½ in. Filletster cutter, one ¼ in. tonguing tool and one slitting cutter, weight each 5¾ lbs. Each $11.75

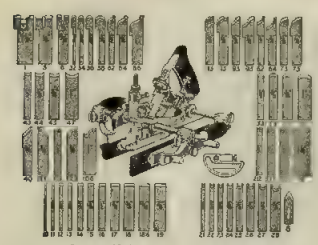
No. 47—Same as No. 46 without the fence and with only 7 cutters comprising one each ⅜, ½, ⅝, ⅛, ⅞ and 1¼ in. dado cutter and one slitting cutter, weight each 3¾ lbs. ..... Each $9.25

Skew cutters are the feature of this plane. It consists of a main stock carrying a spur, a depth gauge and a slitting cutter, a sliding section carrying a spur and forming an extra sole for the plane, and a fence (rosewood face) which can be set for either plow or filletster work.

One in a Box.

COMBINATION PLANES

STANLEY'S



Patent Universal Combination.

Nickel plated cast iron frame, selected rosewood handle and fences, steel adjusting screws.

Each

No. 55—10 in. long, complete with 55 cutters, as listed below, put up in a neat steel box, weight per set 15¼ lbs. $30 00

CUTTERS REGULARLY SUPPLIED WITH PLANE

The prices are given in case duplicates should be required. Repairs not carried in stock.

No.	Each
1—1⅛ in. sash tool	$1.00
5— ⅛ in. match tool	1.00
6— ¼ in. match tool	1.00
8—Slitting tool	.60
9—Filletster	.50
10—⅛ in. plow and dado tool	.30
11—⅛ in. plow and dado tool	.30
12—¼ in. plow and dado tool	.30
13—⅛ in. plow and dado tool	.30
14—⅜ in. plow and dado tool	.40
15—⅛ in. plow and dado tool	.40
16—½ in. plow and dado tool	.40
17—⅝ in. plow and dado tool	.40
18—⅜ in. plow and dado tool	.40
18½—⅜ in. plow and dado tool	.50
19—⅞ in. plow and dado tool	.50
21 —⅛ in. beading too.	.30
22—⅛ in. beading tool	.30
23—⅛ in. beading tool	.30
24—⅛ in. beading tool	.40
25—⅜ in. beading tool	.40
26—⅛ in. beading tool	.50
27 —½ in. beading tool	.50
28—⅝ in. beading tool	.60
32—¾ in. fluting tool	.60
34—⅝ in. fluting tool	.60
36—⅛ in. fluting tool	.60
38—⅞ in. fluting tool	.60

No.	Each
40—⅜ in. chamfer (right)	1.00
41—⅜ in. chamfer (left)	1 00
43 ⅛ in. hollow	.40
44—⅝ in. hollow	40
45—⅜ in. hollow	.40
47— 1 in. hollow	.40
53—⅛ in. round	.40
54—⅝ in. round	.40
55—⅜ in. round	.40
57— 1 in. round	.40
62—½ in. quarter hollow	.90
64—⅜ in. quarter hollow	1.00
78—⅜ in. quarter round	.90
75—⅞ in. quarter round	1 00
82 ⅛ in reverse ogee	90
84—⅜ in. reverse ogee	1 00
86— 1 in. reverse ogee	1.00
93—⅝ in. Roman ogee	.90
95—⅞ in. Roman ogee	1.00
102—½ in. Grecian ogee	90
104—½ in. Grecian ogee	1 00
106— 1 in. Grecian ogee	1.00
113—⅝ in. ¼ round with bead	.90
115—⅞ in. ¼ round with bead	1.00
212—⅛ in. reeding tool 2 beads	.40
222—⅞ in. reading tool 2 beads	.40
232— in. reeding tool 2 beads	40

This tool in addition to being a beading and center beading plane, a plow, dado, rabbet, filletster and match plane, a sash plane and a slitting plane, is also a superior moulding plane and will accommodate cutters of almost any shape and size. In fact, it is a **Planing Mill Within Itself.**

One Set in a Box

ADJUSTABLE IRON PLANES

STANLEY'S CIRCULAR

Japanned, Flexible Steel Face, Steel Forged Mouthpiece.

Each

No. 113—10 in. long, 1⅝ in. cutter, weight each 3½ lbs. ...$8 85

These planes have adjustable flexible steel faces for planing the inside or outside of circles. Cutters adjustable endwise and sidewise.

Has graduated scale for setting the faces. Both sides of plane are shown.

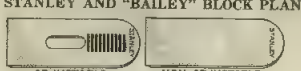
One in a Box.

PLANE IRONS

FOR "BED ROCK" AND "BAILEY" IRON AND WOOD PLANES

Size	Plane Irons Single Each	Plane Irons Double Each	Plane Irons Caps Each
1¼ in. for plane No 1	$0.45	$0.80	$0.35
1⅝ in for plane Nos. 2, 2C, 602, 602C	.50	.85	.35
1¾ in for plane Nos 3, 3C, 5¼, 5¼C, 20 22, 25, 113, 603, 603C	.55	.90	.35
2 in for plane Nos 4, 4C, 5, 5C, 9, 24, 26, 35, 604 604C, 605, 605C	60	.95	.35
2⅛ in for plane Nos 10, 10¼, 10½	.65	1.00	.35
2¼ in for plane Nos. 5½, 5½C, 27½, 605½, 605½C	70	1.10	.40
2⅜ in. for plane Nos. 4½, 4½C, 6, 6C, 7, 7C, 11, 28, 31, 36, 604½, 604½C, 606, 606C 607, 607C	.75	1.20	.45
2⅝ in. for plane Nos. 8, 8C, 32, 37, 608, 608C	.80	1.30	.50

FOR STANLEY AND "BAILEY" BLOCK PLANES



Size	Plane Irons Per Dozen
1 in for plane Nos 100, 101	$ 1.50
1⅛ in. for plane Nos. 60, 60½, 61, 203	5.00
1⅝ in. for plane Nos. 102, 103	2.50
1⅝ in. for plane Nos. 9½, 9¾, 15, 15½, 16, 17, 18, 19, 63, 65, 65½, 120, 131, 220,	5.00
1⅝ in. for plane Nos. 110, 130	3.80
1¾ in. for plane No. 140	9.00
2 in. for plane Nos. 62, 64	13 45
2 in. for plane No. 64 special	14 95

It will be noted that in many cases the same single iron fits a number of different planes, but the cap iron (which combined with the single iron makes the double iron) is not the same on the iron, wood and circular planes and consequently is not interchangeable. In ordering, it is necessary to give the number of the plane, size of iron and state whether single or double iron is required.

"BAILEY" IRON PLANES

The Knob on "Bailey" planes is of special design, giving great ease in handling.

In the Bailey plane, the frog may be adjusted for width of throat opening after removing the cap and cutter and slightly loosening the screws which clamp the frog to the base

The illustration shows the ribbed construction of the bottom and machined surfaces which give great solidity and solid seating for the frog.

The cutters are made of a thin parallel steel of high quality This cutter is easily kept sharp by honing With occasional grinding insuring little work and small possibility of stubbing the bevel. The cutter is securely bedded clear to the heel.

"Bailey" cutters are adjustable either endwise or sidewise.

IRON PLANES

"BAILEY" ADJUSTABLE

SMOOTH BOTTOM

Smooth

	Each
No. 3 — 8 in. long, 1⅞ in. cutter, wt. each 3½ lbs.	$4.80
No. 4 — 9 in. long, 2 in. cutter, wt. each 3⅝ lbs.	5.25
No. 4½—10 in. long, 2⅜ in. cutter, wt. each 4⅛ lbs	6 05

Jack

	Each
No. 5 —14 in. long, 2 in. cutter, wt. each 4½ lbs.	$6.05
No. 5½—16 in. long, 2⅛ in. cutter, wt. each 6⅝ lbs.	6.75

Fore

	Each
No. 6—18 in. long, 2¾ in. cutter, wt. each 7¾ lbs.	$7 70

Jointer

	Each
No. 7 22 in. long, 2⅝ in. cutter, wt. each 8½ lbs.	$ 8.80
No. 8—24 in. long, 2⅝ in. cutter, wt. each 9⅝ lbs.	10.50

CORRUGATED BOTTOM

Smooth

	Each
No. 3C—8 in. long, 1¾ in. cutter, weight each 3½ lbs.	$5.15
No. 4C—9 in. long, 2 in. cutter, weight each 3⅝ lbs.	5 60
No. 4½C—10 in. long, 2⅜ in. cutter, weight each 4¾ lbs.	6.50

Jack

	Each
No. 5C—14 in. long, 2 in. cutter, weight each 4¾ lbs.	$6.50
No. 5½C—15 in. long, 2⅛ in. cutter, weight each 6¾ lbs.	7.30

Fore

	Each
No. 6C—18 in. long, 2⅜ in. cutter, weight each 7¾ lbs.	$8.30

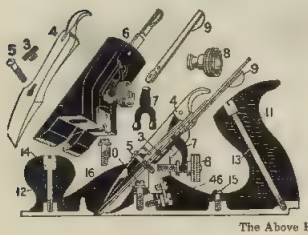
Jointer

	Each
No. 7C—22 in. long, 2⅝ in cutter, weight each 8½ lbs.	$ 9 45
No. 8C—24 in. long, 2⅝ in. cutter, weight each 9⅝ lbs	11.30

All Above One in a Box.

PLANE PARTS

"BAILEY" IRON PLANES



No.	Name of Part	No. of Plane	1 / 2	3 / 3c	4 / 4c	4½ / 4½c	5 / 5c	5½ / 5½c	6 / 6c	7 / 7c	8 / 8c
3	Cap screw		$0.10								
4	Lever cap		.50								
5	Lever cap screw		.10								
6	Frog complete		.70								
7	"Y" adjusting lever		.10								
8	Adjusting nut		.20								
9	Lateral adjusting lever		.20								
10	Frog screw		.10								
11	Plane handle		.40								
12	Plane knob		.30								
13	Handle bolt and nut		.20								
14	Knob bolt and nut		.20								
15	Plane handle screw					.10	.10	.10	.10	.10	.10
16	Plane bottom		1.70	2.00	2.00	2.40	2.40	2.40	3.30	4.70	5.70
46	Frog adjusting screw		.10	.10	.10	.10	.10	.10	.10	.10	.10

FOR ALL NUMBERS

Add 10 per cent for Corrugated Bottoms.

For Prices of Single and Double Plane Irons and Caps, see page 119.

The Above Repairs can be furnished from Stock.

"BAILEY" AND STANLEY BLOCK PLANES

No.	Name of Part	No. of Plane	9½	15	16 / 17	18 / 19	60	62	61 / 63	65	65½
4	Lever cap		$0.20	.20	.30	.40	.30	.30	.30	.40	.20
5	Lever cap screw		.10	.10	.10	.10	.10	.10	.10	.10	.10
6	Frog complete						.20	.20	.20	.20	.20
7	Adjusting lever		.10	.10	.10	.10					
8	Adjusting nut		.20	.20	.20	.20	.20	.20	.20	.20	.20
9	Lateral adjusting lever		.20	.20	.20						
11	Plane handle		.50	.50				.60			
16	Plane bottom		1.40	1.50	1.50	1.50	1.20	3.50	1.00	1.50	1.50
21	Eccentric Plate		.20	.20	.20	.20	.20	.20	.20	.20	.20
22	Finger rest knob		.20	.20	.20	.20	.20	.30	.20	.20	.20

The Above Not Carried in Stock, Shipped Direct from Factory.

STANLEY BLOCK PLANES

No.	Name of Part	No. of Plane	101	102 / 103	110	120	130	131	140	203	220
4	Lever cap		$0.10	.20	.20	.20	.20	.20	.30	.20	.20
5	Lever cap screw							.10	.10	.10	.10
6	Frog complete					.30		.30	.20	.20	.20
8	Adjusting nut							.20	.20	.20	.20
12	Plane knob				.20	.20	.20	.30	.30	.30	.30
16	Plane bottom		.20	.40	.50	.60	.70	1.40	1.50	.50	.60
18	Detachable side								.50		
19	Side screw (pair)								.20		

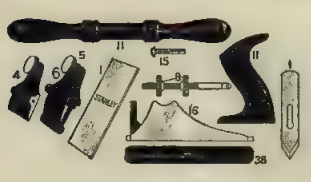
The Above Not Carried in Stock, Shipped Direct from Factory.

RABBET AND ROUTER PLANES

No.	Name of Part	No. of Plane	90 / 92	93	94	196	98 / 99	71½	75	95	97
1	Single plane iron		$0.80	.60	.60	.50	.40	.60	.40	.40	.90
4	Lever cap		.30	.30	.30	.20	.20		.20	.20	.30
12	Plane knob						.30	.30			.30
14	Knob bolt and nut							.20			.20
16	Plane bottom		3.50	4.20	5.00	2.40	1.20	2.00	.60	1.60	2.00
27	Cutter bolt adjusting screw		.40	.40	.40						
47	Extra attachment							.50			
48	Collar							.50			

The Above Not Carried in Stock, Shipped Direct from Factory.

PLANE PARTS

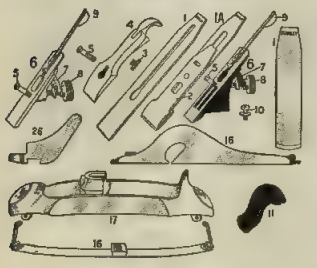


SCRAPER, CHAMFER AND CORE BOX PLANES

No.	Name of Part	No. of Plane	12	12½	12¼	112	212	85	56	57	72	64
1	Single plane iron		$0 45	.45	.45	.45	.45	45	50	.60	.40	*
4	Lever cap		.50	.50	.40	.20	40	30	.30	20	30	
5	Lever cap screw							10	10	10	10	10
6	Frog complete		1.20	1.40	.70	.20	60					
8	Adjusting nut		.20	.20	.20							
10	Frog screw						10					
11	Plane handle		1.00	1.00	.40		.50	.40	20	.60	60	
12	Plane knob				30	.40	40		20	.30	20	
13	Handle bolt and nut				30		.20		20	20	.20	
14	Knob bolt and nut				20		.20		.20	.20	.20	
15	Plane handle screw		.10	10								
16	Plane bottom		2.40	1.60	2 40	1.20	2 00	2.00	5 00	3.00	3 50	
38	Extra wood bottom		1.00									

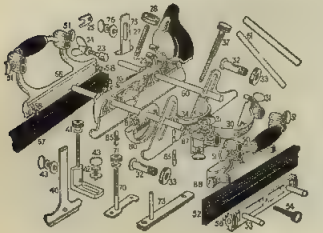
RABBET, MATCHING AND DADO PLANES

No.	Name of Part	No. of Plane	39	48 49	78	146 148		190 192	239 239½	278	289
1	Single plane iron		$0 40	.40	40	1 30	80	.40	50	40	60
4	Lever cap		.20	.20	20	30		20		.20	.20
16	Plane bottom		2.40	4.00	2 00	3 00	1 80	1 80	8.00	2 00	2.40
50	Fence		1.00	1.00	.50		60		.80	.50	40
51	Fence thumb screw				.10		10		.10	.10	.10
61	Short arm				.20		40		20	20	.20
70	Adjusting depth gauge		.40		40			40	.40	40	40
71	D'pth g'ge thumb screw		20		.20			30	10	20	20
85	Spurs with screws		.20		10			.10	50	.10	10



CARRIAGE, CIRCULAR, SCRUB, SHOOT FLOOR PLANES

No.	Name of Part	No. of Plane	10½ 10	10¼	11½ 11	113	20	40	40½	51	74
1	Single plane iron							40	.50		
2	Plain iron cap		$0 35	35	.45	35	35			.45	.50
3	Cap screw		.10	.10	.10	.10	10			10	.10
4	Lever cap		50	50	50	50	50	20	.20	50	.60
5	Lever cap screw		10	.10	.10	10	10	.10	10	10	.20
6	Frog complete		70	.70	.70	.70	.70			70	
7	"Y" adjusting lever		.10	.10	10	10	10			.10	
8	Adjusting nut		20	.20	20	20	20			20	
9	Lateral adjusting lever		20	.20	.20	.20	.20			20	
10	Frog screw		10	10	10	10	10			.10	
11	Plane handle		40	80	.50			20	20	40	2 00
12	Plane knob		.30	.60	1 00			20	20	30	
13	Handle bolt and nut		.20	20				20	20	20	
14	Knob bolt and nut		20	20				.20	20	.20	
16	Plane bottom		3 30	3.00	2 60	1.20	1 20	1 40	2.00	3 00	4.40
17	Top casting					2 00	3.00				
26	Frog seat						1 00				
35	Bottom adjusting screw				1.00		50				
36	Bottom adjusting nut						50				



COMBINATION PLANES

No.	Name of part	No. of Plane	45	46	47	50	55	143
1	Cutters	Per Set	$7.00	4 00	2.50	3.50	12.00	4 00
16	Main stock or bottom		5.00	5 00	5 00	2 50	6 00	6 00
23	Cutter bolt		30	30	.30	.30	30	
24	Cutter bolt wing nut		.30	.30	.30	.30	30	
25	Cutter bolt clip and screw		10	.10	.10		10	
27	Cutter bolt adjusting screw		20				20	
28	Cutter bolt adjusting wheel		20				30	
30	Sliding section		3.00	3 00	3 00	.80	1 50	
32	Thimble						30	
33	Thimble check nut						30	
34	Adjustable bottom						2.50	
37	Adjustable bottom screw						40	
40	Auxiliary center bottom						60	
42	Angle iron and adjusting screws						60	
50	Left fence		1 50	1 50	2 00	1 50	2 70	2 00
52	Tilting guard plate (wood)						40	
53	Tilting iron with swivel						30	
54	Left fence adjusting screw						40	
56	Right fence				2 50		2 00	
57	Right fence tilting plate						40	
60	Long arms	Per Pair	1.00	1 00	1 00	1.00	1.00	1.00
61	Short arms	Per Pair	.50	.50	50		50	
70	Adjusting depth gauge		40	.40	.40	40	40	.40
73	Adjusting beading stop		40				60	
75	Slitting cutter stop		20	20	.20	.20	20	
80	Cam stop		.80				80	
85	Spurs with screws		.10	10	.10	10	.10	

Screws Nos. 29, 31, 41, 43, 51, 58, 71, 76, 81, 86 and 87, $0.20 each.

Repairs on this page not carried in stock. Shipped direct from factory.

IRON BENCH PLANES

BAILEY—ADJUSTABLE

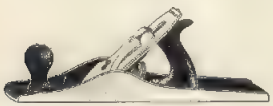
Plain Bottom

Corrugated Bottom

Japanned cast iron frames; varnished rosewood knobs and handles, polished steel caps. The tempered and polished tool steel cutters are adjustable endwise by a screw and sidewise by a lever.

Nos.	Style Plane	Length, Inches	Width Cutter, Inches	Weight Each, Lbs.	Plain Bottom, Each	Corrugated Bottom Nos.	Corrugated Bottom Each
1	Smooth	5½	1¾	1¾	$3.55		
2	Smooth	7	1⅝	2¼	4.60		
3	Smooth	8	1¾	3⅛	4.80	3c	$5.15
4	Smooth	9	2	3¾	5.25	4c	5.60
4½	Smooth	10	2⅜	4¾	6.05	4½c	6.50

One in a Box



Nos.	Style Plane	Length, Inches	Width Cutter, Inches	Weight Each, Lbs.	Plain Bottom, Each	Corrugated Bottom Nos.	Corrugated Bottom Each
5	Jack	14	2	4¾	$6.05	5c	$6.50
5¼	Jack	11½	1¾	3¾	5.40	5¼c	5.90
5½	Jack	15	2¼	6¾	6.75	5½c	7.30
6	Fore	18	2⅜	7¾	7.70	6c	8.30
7	Jointer	22	2⅜	8½	8.80	7c	9.45
8	Jointer	24	2⅝	9¾	10.50	8c	11.30

One in a Box

BED ROCK—ADJUSTABLE

The Bed Rock Planes differ slightly in appearance from the Bailey Planes. The only difference in construction being the design of the frog and frog seat. In the Bed Rock Planes, the bottom of the frog is machined to form a tongue which fits into a groove in the bottom of the plane, insuring great solidity and perfect alignment. The movement of the frog for adjusting the throat opening is governed by a screw and may be accomplished without removing the cap and cutter.

Nos.	Style Plane	Length, Inches	Width Cutter, Inches	Weight Each Lbs.	Plain Bottom Each
604	Smooth	9	2	3¾	$ 5.90
605	Jack	14	2	4¾	6.75
606	Fore	18	2⅜	7⅜	8.50
607	Jointer	22	2⅜	8¼	9.80
608	Jointer	24	2⅝	9¾	11.60

One in a Box

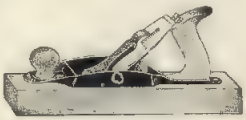
WOOD BOTTOM BENCH PLANES

BAILEY—ADJUSTABLE

Superior quality wood planes with bottoms, knobs and handles made from selected, well-seasoned beech. A lever and a screw provide both endwise and sidewise adjustments of the cutters.

Nos.	Style Plane	Length, Inches	Width Cutter, Inches	Weight Each, Lbs.	Each
22	Smooth	8	1¾	2½	$3.30
24	Smooth	9	2	2⅞	3.45
25	Block	9½	1¾	2½	3.30

Nos.	Style Plane	Length, Inches	Width Cutter, Inches	Weight Each, Lbs.	Each
35	Smooth	9	2	3¼	$4.05
36	Smooth	10	2⅛	4	4.55
37	Jenny Smooth	13	2⅝	5	5.00

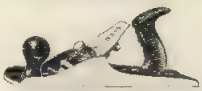


Nos.	Style Plane	Length, Inches	Width Cutter Inches	Weight Each, Lbs	Each
26	Jack	15	2	3¾	$3.60
27½	Jack	15	2¼	4¾	4.15
28	Fore	18	2⅜	5½	4.55
31	Jointer	24	2⅜	6½	4.85
32	Jointer	26	2⅝	7⅝	5.25

One in a Paper Package

IRON BENCH PLANES

GAGE SELF SETTING



Iron-bottom planes with rosewood knobs and handles.

The feature of these planes lies in the fact that when the plane iron is taken out to be honed or sharpened, the iron and cap go back in exactly the same position as before removal.

Nos.	Style Plane	Length, Inches	Width Cutter, Inches	Weight Each, Lbs.	Each
G3	Smooth	8¾	1¾	2¾	$5.15
G4	Smooth	9	2	3	5.60
G5	Jack	14	2	4¼	6.40
G6	Fore	18	2¼	5¾	8.10
G7	Jointer	22	2½	6½	9.30

One in a Box

IRON BLOCK PLANES

STANLEY

NO. 101—NON-ADJUSTABLE

Small cast iron, japanned, non adjustable plane with a removable cap. Sharp steel cutter, 3⅝ inches long; 1-inch cutter, weight each, ¼ pound.

		Each
No. **101**		**$0.50**

NO. 100—NON-ADJUSTABLE

Same as No. 101, except that it has a handle; 3½ inches long, 1-inch cutter; weight each, ¾ pound.

		Each
No. **100**		**$0.60**

NON-ADJUSTABLE

Japanned cast iron plane with screw cap.

Nos.		Length, Inches	Width Cutter Inches	Weight Each, Each, Lbs.	Each
102	Without Knob	5½	1⅜	⅞	**$0.90**
110	With Knob	7	1⅝	1⅜	**1.25**

ADJUSTABLE

Japanned cast iron plane with screw cap and lever adjustment.

Nos.		Length, Inches	Width Cutter Inches	Weight Each, Each, Lbs.	Each
103	Without Knob	5½	1⅜	⅞	**$1.30**
120	With Knob	7	1⅝	1⅜	**1.80**

ADJUSTABLE

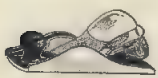
Japanned cast iron plane with lever cap and screw adjustment.

Nos.	Length, Inches	Width Cutter, Inches	Weight Each, Lbs.	Each
203	5½	1⅜	1⅝	**$1.60**
220	7	1⅝	1½	**1.85**

LOW ANGLE ADJUSTABLE

Cutter rests on its seat at an angle of 12 degrees and is adjustable endwise. Japanned iron case with japanned or nickel plated cap and trimmings. Lever cap, and adjustable throat.

Nos.	Finish of Trimming	Length, Inches	Cutter Width Inches	Weight Each, Lbs.	Each
60½	Japan	6	1⅜	1¾	**$2.60**
60	Nickel	6	1⅜	1¾	**2.85**
65½	Japan	7	1⅜	1⅜	**2.80**



BLOCK AND RABBET ADJUSTABLE

With skew cutter. A detachable side changes it from a block to a rabbet plane. Japanned iron plane with rosewood knob. Length, 7 inches; width cutter, 1¾ inches weight each, 1½ pounds.

		Each
No. **140**		**$3.20**

LOW ANGLE, KNUCKLE JOINT

Cutter blades rest on its seat at an angle of 12 degrees. Knuckle-jointed steel cap is practically indestructible. Adjustable throat. Cutter adjustable endwise. Length, 7 inches width of cutter, 1⅝ inches; weight each, 1⅜ pounds.

		Each
No. **65**		**$3.40**

IRON BLOCK PLANES

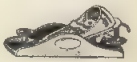
BAILEY

With improved arrangement for adjusting the cutter both endwise and sidewise. The cutter rests on its seat at an angle of 20 degrees. All have adjustable throats

ADJUSTABLE JAPANNED TRIMMINGS

Japanned cast iron with lever cap and screw and lever adjustment.

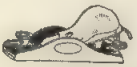
Nos.	Length, Inches	Width Cutter, Inches	Weight Each, Lbs	Each
9½	6	1⅝	1½	**$2.45**
15	7	1⅝	1⅝	**2.75**



ADJUSTABLE NICKELED TRIMMINGS

Same as the above, except furnished with nickel-plated trimmings.

Nos.	Length, Inches	Width Cutter, Inches	Weight Each, Lbs.	Each
16	6	1⅝	1½	**$2.80**
17	7	1⅝	1⅝	**3.10**



ADJUSTABLE KNUCKLE JOINT CAP

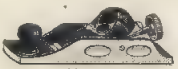
Fitted with a new knuckle joint cap which is made entirely of steel and is practically indestructible. Japanned cast iron plane with nickel-plated cap and trimmings. A screw and a lever provide both endwise and sidewise adjustment of the cutter.

Nos.	Length, Inches	Width Cutter, Inches	Weight Each, Lbs.	Each
18	6	1⅝	1½	**$3.05**
19	7	1⅝	1⅝	**3.25**

ADJUSTABLE ROSEWOOD HANDLE

Japanned cast iron with lever cap and screw and lever adjustment; furnished with handle, making it convenient to work with both hands if desired. Japanned trim.

Nos	Length, Inches	Width Cutter, Inches	Weight Each, Lbs	Each
93½	6	1⅝	1⅝	**$3.05**
15½	7	1⅝	1⅞	**3.25**



STANLEY—DOUBLE END ADJUSTABLE.

Combination adjustable block and bull-nose plane. Made with two slots and two seats for the cutter, so that it can be set in the center as a block plane or set at the end for a bull-nose plane. Japanned iron, rosewood knob. Length, 8 inches; width cutter, 1⅝ inches, weight each, 1½ pounds.

		Each
No. **131**		**$3.00**

NON-ADJUSTABLE

Japanned cast iron block plane. Has two slots and two cutter seats, so that it can be set in the center as a block plane or set at the end for a bull-nose plane. Has screw adjustment. Length 8 inches width cutter, 1⅝ inches, weight each, 1⅝ pounds.

		Each
No. **130**		**$1.85**

IRON BLOCK PLANES

STANLEY

LOW ANGLE
NON-ADJUSTABLE
THROAT

With improved arrangement for adjusting the cutter endwise. The cutters rests on its seat at an angle of 12 degrees. Lever cap and rosewood knob at front. Japanned cast iron with nickel trimmings.

Nos.	Length, Inches	Cutter Width, Inches	Weight Each, Lbs.	Each
61	6	1⅜	1¼	**$2.50**
63	7	1⅝	1⅜	**2.95**

SPECIAL PLANES

STANLEY

CABINET MAKERS'
RABBET

Can be worked either right or left hand and will lie perfectly flat on either side. Adjustable throats and handy grip feature by removing front a chisel plane is obtained. Nickel plated.

Each

No. **90**—Length, 4 Inches; Cutter Width, 1 Inch; Weight Each, 1 Lb. **$4.75**

Similar to No. 90 above but with extension front instead of bull nose. Front may be removed. Extension front produces smoother work

Nos.	Length, Inches	Cutter Width, Inches	Weight Each, Lbs.	Each
92	5½	¾	1½	**$4.75**
93	6½	1	1¾	**5.75**
94	7½	1¼	2	**6.60**

BULL NOSE RABBET

For working close up into corners or other difficult places; adjustable mouth; japanned iron frame; tempered steel blades.

Nos.	Length, Inches	Cutter Width, Inches	Weight Each, Lbs.	Each
75	4	1	⅝	**$0.90**

RIGHT

LEFT

SIDE RABBET

For side rabbeting dados, mouldings and grooves of all sorts; a reversible nose-piece gives tool a form whereby it will work close up into corners; fitted with depth gauges, nickel-plated cast iron frame; rosewood handles.

Nos.	Style Plane	Length, Inches	Cutter Width, Inches	Weight Each, Lbs.	Each
98	Right Hand	4	½	⅔	**$2.35**
99	Left Hand	4	½	⅔	**2.35**

EDGE-TRIMMING
BLOCK

For trimming or smoothing edge of boards for a square or close fit; cutter works on a skew; wood blocks of various bevels may be attached, enabling user to make a slanting cut; japanned cast iron frame and clamp, tempered and polished tool steel cutters.

Nos.	Length, Inches	Cutter Width, Inches	Weight Each, Lbs.	Each
95	6	⅞	1¼	**$2.50**

All Above, One in a Box

SPECIAL PLANES

STANLEY

CARRIAGE MAKER'S
RABBET

Especially adapted for heavy framing and for carriage and wagon building. Adjustable cutters; rosewood handles and knobs.

Nos.	Length, Inches	Cutter Width, Inches	Weight Each, Lbs.	Each
101	9	2⅛	3	**$6.35**
10	13	2⅝	4¼	**7.70**

LOW ANGLE

For heavy work across the grain; cutter is adjustable and set at an angle of 12 degrees; rosewood handle and knob; adjustable throat.

Cast iron body and cap, japanned, adjustable, tool steel cutter, tempered, ground and polished.

Nos.	Length, Inches	Cutter Width, Inches	Weight Each, Lbs.	Each
62	14	2	3⅝	**$6.70**

CIRCULAR PLANES

By means of the Graduated Scale on the Gears, the Face can be Accurately Set to Work an Arc of the Same Circle, both Concave and Convex, by turning the Knob on the Front of the Plane

Japanned, cast iron frames, caps and handles; tempered and polished tool steel cutters; polished spring steel bottoms; screw and lever adjustments; can be adjusted to work on concave or convex surfaces.

Nos.	Length, Inches	Cutter Width, Inches	Weight Each, Lbs.	Each
113	10	1¾	3½	**$8.85**

VICTOR CIRCULAR PLANES

Face is fastened at each end to the plane body and adjusted by a screw at the center. This construction gives great strength. Adjusts to convex or concave surfaces. Japanned iron frame, polished face and cap.

Each

No. **20**—Length, 10 Inches; Width Cutter, 1¾ Inches; Weight Each, 4 Lbs. **$9.80**

BUTCHER BLOCK

For truing up butchers' blocks. Special toothed cutter and a smoothing cutter furnished. Beech handle and knob.

Each

No. **64**—Length, 12½ Inches; Cutter Width, 2 Inches; Weight Each 4 Lbs. **$5.60**

CABINET MAKERS' EDGE

A chisel plane for piano makers and cabinet workers; cutting edges being located at extreme end of plane gives tool form of a chisel, adjusted endwise; japanned iron body, rosewood knob, steel cutters.

No.	Length, Inches	Cutter Width, Inches	Weight Each, Lbs.	Each
97	10	2¼	3¾	**$4.70**

All Above, One in a Cardboard Box

SPECIAL PLANES

STANLEY

DUPLEX FILLETSTER AND RABBET

Has two seats for cutter, one for regular and the other for bull nose work; it has a spur and a removable depth gauge; adjustable fence can be used on either side and slides under bottom. To work as a rabbet plane, remove fence and arms; japanned cast iron frame, tempered and polished tool steel cutters.

Nos.	Length, Inches	Cutter Width, Inches	Weight Each, Lbs.	Each
78	8½	1⅝	3	$3.95

RABBET

Will lie flat on either side and can be used with either right or left hand while planing into corners or up against perpendicular surfaces. Fitted with a spur and a removable depth gauge.

Nos.	Length, Inches	Cutter Width, Inches	Weight Each, Lbs.	Each
190	8	1½	2½	$3.50
191	8	1¼	2¼	3.30
192	8	1	2	3.10

SKEW CUTTER FILLETSTER AND RABBET

Has an extra wide skew cutter and an adjustable spur on each side. The fence and depth gauge can be attached to either side, the fence sliding under the bottom. By removing arms and fence, a skew cutter ratchet is obtained.

	Each
No. **289** Length, 8 Inches; Cutter Width, 1¾ Inches; Weight Each, 3¾ Lbs.	$4.55

DADO

Fitted with skew cutters, an adjustable depth gauge and two adjustable spurs; will keep true even in the narrowest widths. Japanned iron frame and handle; polished and tempered steel cutters.

Nos.	Length, Inches	Cutter Width, Inches	Weight Each, Lbs.	Each
39A	8	¾	1¾	$3.85
39B	8	⅝	1¾	4.05
39C	8	½	1¾	4.30
39D	8	⅝	2	4.50
39E	8	¾	2	4.70
39F	8	⅞	2	4.90
39G	8	⅞	2¼	4.90
39H	8	1	2¼	5.10

SWINGING FENCE MATCH PLANES

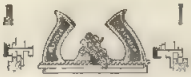
Has two separate cutters a suitable distance apart; when guide or fence is set both cutters work and a tongue can be made, fence is hung on a pivot and can be swung around from end to end; this movement covers one of the cutters and also furnishes a guide for grooving and exact match for tongue; nickel plated cast iron frame and handle; rosewood knob.

Nos.	Cuts Grooves Width, Inch	Depth, Inch	Centers, Inches	Weight Each, Lbs.	Each
48	⅞	¾ to 1¼	⅞	3¾	$6.30
49	⅞	½ to ¾	½	2⅝	6.30

SPECIAL PLANES

STANLEY

DOUBLE END MATCH PLANE



Two cutters, a plow, and a tongue tool, both governed by one permanent fence. The tongue tool has one edge wider than the other, which overhangs one side when tonguing on the center. Both tongue and groove are cut by working the tool in the same direction, by merely reversing it end for end. Nickel plated.

	Each
No. **148**—Cuts ¼ Inch Groove on Bourds ¾ to 1 Inch; Centers on ⅞ Inch, Weight Each, 2⅜ Lbs.	$5.40

DOVETAIL PLANE

Nickel plated cast iron frame and handle; tempered and polished tool steel cutters. Cuts both tongue and groove for dove-tail work. Four Cutters are furnished with each plane, three of which are for cutting grooves of different sizes, and one for cutting tongues of any size. Complete instructions for operating accompanying each plane.

Nos.	Length, Inches	Weight Each, Lbs.	Each
444	9	6	$14.70

One in a Box

ROUTER PLANES

Closed Throat Open Throat

For surfacing bottom of grooves or other depressions parallel with surface of work; a wooden bottom of any size can be attached, enabling user to router on large openings, adjustable cutters can be held on front for regular work or on back of cutter post for bull nose work; a patented smoothing cutter furnished with each plane; nickel plated, cast iron frame; rosewood knobs, tempered and polished cutters. Open throat style is furnished with an attachment for closing the throat.

Nos.	Throat	Length Inches	Cutter Width, Inches	Weight Each, Lbs.	Each
71½	Closed	7½	¼ and ⅜	2⅛	$3.80
71	Open	7½	¼ and ½	2⅛	4.85

ROUTER WITH FENCE

Will router to a depth of ⅞ inches and a width of 3 inches, fence regulates the position of the cut and is governed by a positive stop. Japanned iron frame with rosewood handles.

	Each
No. **171**—Length, 11 Inches; 3 Cutters, ¾, ⅝ and ⅞ Inches; Weight Each, 3 Lbs.	$7.05

SCRUB PLANE

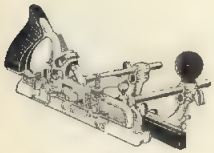
For "hogging" or planing down to a rough dimension, any board that is too wide to conveniently rip with a saw. Cutter is specially shaped, having a round cutting edge instead of square. Japanned iron frame, handle and knob of beech.

Nos.	Length, Inches	Cutter Width, Inches	Weight Each Lbs.	Each
40	9½	1⅝	2½	$2.65
40½	10½	1⅝	2½	3.55

All Above, Each in a Box

SPECIAL PLANES

STANLEY



FORTY-FIVE

Seven tools in one, a beading and center beading, plow, dado, rabbet and fillister, match, sash and slitting plane fitted with spurs for use across the grain, can be used either right or left hand, adjustable fence or guide; nickel plated, cast iron frame rosewood handle, knob and fence, tempered and polished steel cutters.

Nos.	With Cutters	Weight Each Lbs.	Each
45	22	9½	**$15.00**

One in a Wooden Box

Following cutters are furnished with each plane, number and price of each cutter is given should duplicate be required.

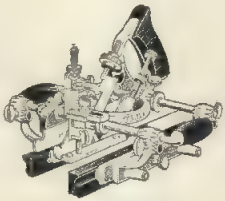
Nos	Size Cutter, Inches	Style Cutter	Each
1	1½	Sash	**$1.00**
5	¼	Match	**1.00**
8		Slitting	**.60**
9	1¼	Filletster	**.50**
10	⅛	Plow and Dado	**.30**
11	3/16	"	**.30**
12	¼	"	**.30**
13	5/16	"	**.30**
14	⅜	"	**.40**
15	7/16	"	**.40**
16	½	"	**.40**
17	9/16	"	**.40**
18	¾	"	**.40**
18½	13/16	"	**.50**
19	⅞	"	**.50**
21	⅛	Beading	**.30**
22	3/16	"	**.30**
23	¼	"	**.30**
24	5/16	"	**.40**
25	⅜	"	**.40**
26	7/16	"	**.50**
27	½	"	**.50**

Following special cutters can be had for above No. 45 plane.

Nos.	Size Cutter, Inches	Style Cutter	Each
2	1½	Sash	**$1.00**
6	5/16	Match	**1.00**
28	3/32	Beading	**.60**
29	3/16	"	**.60**
31	1/16	"	**.60**
32	¼	Fluting	**.60**
33	5/16	"	**.60**
34	⅛	"	**.60**
35	1/16	"	**.60**
36	3/16	"	**.60**
37	5/32	"	**.60**
38	¾	"	**.60**
212	⅛	Reeding, 2 Beads	**.40**
213	⅛	" 3 "	**.60**
214	⅛	" 4 "	**.80**
215	⅛	" 5 "	**1.00**
222	5/16	Reeding, 2 Beads	**.40**
223	5/16	" 3 "	**.60**
224	5/16	" 4 "	**.80**
225	5/16	" 5 "	**1.00**
232	¼	Reeding, 2 Beads	**.40**
233	¼	" 3 "	**.60**
234	¼	" 4 "	**.80**
235	¼	" 5 "	**1.00**

SPECIAL PLANES

STANLEY



FIFTY-FIVE

A planing mill within itself in addition to being a beading and center beading, plow, dado, rabbet, fillister, match, sash and slitting plane is also a superior moulding plane, will accommodate cutters of almost any size and shape adjustable bottom; two fences, one fence has lateral adjustment for extra fine work other fence can be reversed for center beading wide boards. Nickel plated cast iron frame; selected rosewood handles and fence, steel adjusting screws; 53 assorted, tempered, polished and sharpened steel cutters.

Nos.	With Cutters	Weight Each Lbs.	Each
55	53	15¼	**$30.00**

One in a Wooden Box

Following cutters are furnished with each plane, number and price of each cutter is given should duplicates be required.

No.	Size Cutter, Ins.	Style Cutter	Each
1	1½	Sash	**$1.00**
5	¼	Match	**1.00**
8		Slitting	**.60**
9		Filletster	**.50**
10	⅛	Plow and Dado	**.30**
11	2/16	" " "	**.30**
13	4/16	" " "	**.30**
14	⅜	" " "	**.40**
15	7/16	" " "	**.40**
16	½	" " "	**.40**
17	⅝	" " "	**.40**
18	¾	" " "	**.40**
18½	13/16	" " "	**.50**
19	⅞	" " "	**.50**
21	⅛	Beading	**.30**
22	3/16	"	**.30**
23	¼	"	**.30**
24	5/16	"	**.40**
25	⅜	"	**.40**
26	7/16	"	**.50**
27	½	"	**.50**
28	7/16	"	**.50**
29	⅝	"	**.60**
30	½	Fluting	**.60**
34	⅝	"	**.80**
36	¾	"	**.80**

No.	Size Cutter, Ins.	Style Cutter	Each
38	⅝	Fluting	**.60**
43	½	Hollow	**.40**
44	⅝	"	**.50**
45	¾	"	**.60**
47	1	"	**.80**
53	½	Round	**.40**
54	⅝	"	**.50**
55	¾	"	**.60**
57	1	"	**.80**
62	½	Quarter Hollow	**.90**
64	⅝	" "	**1.00**
74	⅝	" Round	**.90**
75	⅞	" "	**1.00**
82	½	Reverse Ogee	**.90**
84	⅝	" "	**1.00**
86	1	" "	**1.00**
93	⅝	Roman Ogee	**.90**
96	⅞	" "	**1.00**
102	⅞	Grecian Ogee	**.90**
104	⅞	" "	**1.00**
106	1	" "	**1.00**
118	⅝	¾ Round with Bead	**.90**
119	⅞	¼ " "	**1.00**
212	⅛	Reeding, 2 Beads	**.40**
222	5/16	" " "	**.40**
232	¼	" " "	**.40**

Following special cutters can be had for above No. 55 plane.

No.	Size Cutter, Ins.	Style Cutter	Each
2	1½	Sash	**$1.00**
6	5/16	Match	**1.00**
33	3/16	Fluting	**.60**
35	5/16	"	**.60**
36	7/16	"	**.60**
37	⅝	"	**.60**
42	⅝	Hollow	**.40**
46	⅞	"	**.40**
52	⅜	Round	**.40**
56	⅞	"	**.40**
61	⅝	Quarter Hollow	**.90**
63	⅝	" "	**.90**
65	⅞	" "	**1.00**
66	1	" "	**1.00**
71	⅝	Quarter Round	**.90**
72	½	" "	**.80**
74	⅝	" "	**1.00**
76	1	" "	**1.00**
81	⅝	Reverse Ogee	**.90**
83	⅞	" "	**1.00**
85	⅞	"	**1.00**

No.	Size Cutter, Ins.	Style Cutter	Each
91	⅝	Roman Ogee	**.90**
92	⅞	" "	**1.00**
94	⅝	" "	**1.00**
96	1	" "	**1.00**
101	⅝	Grecian Ogee	**.90**
103	⅞	" "	**1.00**
105	⅞	" "	**1.00**
111	⅝	¼ Round with Bead	**.90**
112	⅞	¼ " " "	**.90**
114	⅞	¼ " " "	**1.00**
116	1	¼ " " "	**1.00**
213	⅛	Reeding, 3 Beads	**.60**
214	⅛	" 4 "	**.80**
215	⅛	" 5 "	**1.00**
223	5/16	" 3 "	**.60**
224	5/16	" 4 "	**.80**
225	5/16	" 5 "	**1.00**

SPECIAL PLANES

STANLEY

BELT MAKERS'

For chamfering down the ends or laps of a belt before fastening them together. Enables belting users to make repairs that would otherwise have to be done by the makers. Adjustable throat; cutter adjustable endwise; japanned iron frame, hardwood handle.

Each

No. **11**—Length, 5¾ Inches, Cutter Width, 2⅜ Inches, Weight Each, 3½ Lbs. **$5.10**

CORE BOX

For making circular core boxes either straight or tapered; sides of plane are at right angles, consequently point of plane will always cut on the circumference of circle when sides rest on edges of cut, complete with one pair of sections to work semi-circles 1 to 5 inches; nickel plated cast iron frame; beech handle and knob; tempered and polished steel cutters.

Nos.	Length, Inches	Cutter Width, Inches	Weight Each, Lbs.	Each
57	10	⅞	6¾	**$9.25**

LIGHT COMBINATION

Adapted for plow, beading, matching and rabbet work. Fitted with spurs, depth gauge, and a fence with a 5-inch adjustment. Nickel plated.

15 Cutters as follows

Plow and Dado (7 ⅛, 3/16, ¼, 5/16, ⅜, 7/16, ½, 9/16 and ⅝ Inch.
Beading (7 1/16, 3/16, ¼, 5/16, ⅜, 7/16, and ½ Inch.
Rabbeting (1) ¼ Inch.

Each

No. **50**—Length, 9¼ Inch; Weight Each, 3½ Lbs. **$10.25**

All Above, Each in a Box

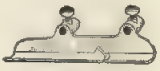
SPECIAL BOTTOMS FOR "FORTY-FIVE" PLANES

NOSING TOOLS

This tool and its cutter will form an exaggerated round as in shaping the edges of stair treads. Set consists of the bottom attachment for a No. 45 Plane and one Cutter.

Per Set

No. **5**—Width Cutters 1¼ Inch; Works a 1¼ Inch Circle **$2.00**



HOLLOWS AND ROUNDS

A hollow and its cutter will form a round. A round and its cutter will form a hollow. A set consists of a hollow, a round and 2 cutters.

Nos	Cutter Width, Inches	Works Circles, Diameter, Inches	Per Set
6	½	¾	**$2.80**
8	⅝	1	**2.80**
10	¾	1¼	**3.00**
12	1	1½	**3.00**

PLANE PARTS

FOR BAILEY IRON PLANES

Nos. 1 to 8 and 3c to 8c. Always state number of plane when ordering parts.

Part Nos.	Name of Part	For Any Number, Each
3	Cap Screw	**$0.10**
4	Lever Cap	**.50**
5	Lever Cap Screw	**.10**
6	Frog Complete	**.70**
7	"Y" Adjusting Lever	**.10**
8	Adjusting Nut	**.20**
9	Lateral Adjusting Lever	**.20**
10	Frog Screw	**.10**
11	Plane Handle	**.40**
11	Plane Knob	**.30**
13	Handle Bolt and Nut	**.20**
14	Knob Bolt and Nut	**.20**
15	Plane Handle Screw	**.10**
46	Frog Adjusting Screw	**.10**

PLANE BOTTOMS—PART NO. 16

Nos.	1–2	3–4	4½–5¼–5–5½	6	7	8
Each	$1.70	2.00	2.40	3.30	4.70	5.70

For Corrugated Bottoms add 10 per cent

FOR BAILEY BLOCK PLANES

Always state number of plane when ordering parts.

Part Nos.	Name of Part	For Planes, Nos. 9½ 9¾	15 16½	16 17	18 19
4	Lever Cap	**$0.20**	**$0.20**	**$0.30**	**$0.40**
5	Lever Cap Screw	**.10**	**.10**	**.10**	**.10**
7	Adjusting Lever	**.10**	**.10**	**.10**	**.10**
8	Adjusting Nut	**.20**	**.20**	**.20**	**.20**
9	Lateral Adj. Lever	**.20**	**.20**	**.20**	**.20**
11	Plane Handle	**.50**	**.50**	.....	.....
16	Plane Bottom	**1.40**	**1.50**	**1.50**	**1.50**
21	Eccentric Plate	**.20**	**.20**	**.20**	**.20**
22	Finger Rest Knob	**.20**	**.20**	**.20**	**.20**

FOR STANLEY ADJUSTABLE BLOCK PLANES

Always state number of plane when ordering parts.

Part Nos.	Name of Part	For Planes, Nos. 60 60½	62	61 63	65	65½
4	Lever Cap	**$0.30**	**$0.30**	**$0.30**	**$0.40**	**$0.20**
5	Lever Cap Screw	**.10**	**.10**	**.10**	**.10**	**.10**
6	Frog Complete	**.20**	**.20**	**.20**	**.20**	**.20**
8	Adjusting Nut	**.20**	**.20**	**.20**	**.20**	**.20**
11	Plane Handle	.....	**.60**	.....	.....	.....
16	Plane Bottom	**1.20**	**3.50**	**1.00**	**1.50**	**1.50**
21	Eccentric Plate	**.20**	**.20**	**.20**	**.20**	**.20**
22	Finger Rest Knob	**.20**	**.30**	**.20**	**.20**	**.20**

For prices of irons for all Bailey and Bed Rock Planes and Bailey and Stanley Block Planes, see separate listing.

PLANE PARTS

FOR STANLEY BLOCK PLANES

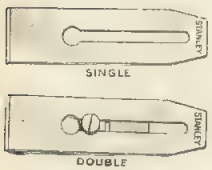
Part Nos.	Name of Part	For Planes, Nos. 100 101	102 105	110	120	130
4	Lever Cap	$0.10	$0.20	$0.20	$0.20	$0.20
6	Frog Complete	...	...	...	.30	
12	Plane Knob	...	...	.20	.20	.20
16	Plane Bottom	.20	.40	.50	.60	.70

Part Nos.	Name of Part	For Planes Nos. 131	140	203	220
4	Lever Cap	$0.20	$0.30	$0.20	$0.20
5	Lever Cap Screw	.10	.10	.10	.10
6	Frog Complete	.30	.20	.20	.20
8	Adjusting Nut	.20	.20	.20	.20
12	Plane Knob	.30	.30	.30	.30
16	Plane Bottom	1.40	1.50	.50	.60
18	Detachable Side	...	.50		
19	Side Screw, Pair	...	.20		

PLANE IRONS

STANLEY

For Bailey and Bed Rock Planes



Proper bevel for grinding cutter is at an angle of twenty-five degrees; when regrinding or rehoning cutter this angle should be observed.

Highest grade English tool steel; oil tempered, ground and hand sharpened; extra heavy bit; full polished.

Single irons will fit a number of different planes but the cap iron is not interchangable for iron, wood and circular planes. Double irons consist of cutter iron and cap iron.

Specify Number and Size of Plane When Ordering

Nos.	Cutting Width, Inches	Single, Each	Double, Each	Caps Only, Each
10	1	$0.45	$0.80	$0.35
11	1⅛	.50	.85	.35
12	1¼	.55	.90	.35
13	2	.60	.95	.35
14	2⅛	.65	1.00	.35
15	2¼	.70	1.10	.40
16	2⅜	.75	1.20	.45
17	2⅝	.80	1.30	.50

FOR BLOCK PLANES

Highest grade English tool steel, oil tempered, ground and hand sharpened; extra heavy bit; full polished.

Nos.	Cut Width Inches	For Planes, Nos.	Per Dozen
200	1⅜	60	$5.00
300	1⅜	102	2.50
400	1⅝	9½, 18, 65, 131, 220	5.00
500	1¾	140	6.00

Specify Number of Plane When Ordering Plane Irons

PLANE IRONS

BUCK BROS.

No. 59

SINGLE—FOR WOOD PLANES

Best cast steel forged and tempered by experienced workmen.

Width Cut Inches	Weight per Dozen, Lbs.	Per Dozen
1½	5	$4.40
1¾	5¼	4.60
1⅞	6½	5.00
2	7¼	5.30
2⅛	8	5.50
2¼	8¾	6.30
2½	10½	7.40
2⅝	10¾	8.30

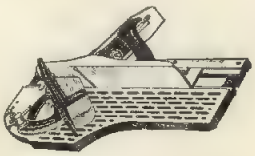
No. 60

DOUBLE—FOR WOOD PLANES

Width Cut, Inches	Weight per Dozen, Lbs.	Per Dozen
1½	8½	$8.50
1¾	9¼	8.80
1⅞	9¾	9.40
2	10¾	9.70
2¼	12½	10.10
2¾	14	11.10

SHOOT BOARDS AND PLANES

STANLEY



For pattern makers, cabinet makers, picture framers, printers and electrotypers. Swivel can be locked at any angle between zero and ninety degrees, the quadrant being graduated between these points. Board is of ribbed construction and has an adjustable runway accurately machined for the plane, sliding back supports work to the edge; sliding back clamp holds any shaped work in position. The plane is especially constructed for the board and has rosewood handle and knob; adjustable cutter set on a skew.

Each

No. **52**—Length, 22 Inches; Length Plane, 15 Inches; Cutter Width, 2⅜ Inches; Weight Each, 17½ Lbs. ... **$23.45**

SCRAPER PLANES

STANLEY

DOUBLE HANDLE

The double grip, rosewood handles placed across the center, give the tool a good balance. The blades are adjustable endwise and for angle, and can be firmly locked in position desired. Japanned iron frame

	Each
No. **12** Length, 6½ Inches; Blade Width, 2⅛ Inches; Weight Each, 3¾ Lbs.	**$5.85**
No. **12B**—Extra Blades	**.50**

DOUBLE HANDLE
ROSEWOOD BOTTOM

Especially adapted for use on very fine work as it reduces the possibility of marring or scratching the surface being worked upon. Bottom is detachable and can easily be renewed when worn. Japanned iron frame and rosewood handles and bottom.

	Each
No. **12½**—Length, 6¼ Inches; Blade Width, 2⅛ Inches; Weight Each, 4 Lbs.	**$7.90**
Extra Rosewood Bottom	**.50**

SINGLE HANDLE

Regular plane style handle and knob. Blade is adjustable endwise and for angle and can be locked in position desired. Japanned iron frame; rosewood handle and knob.

	Each
No. **112**—Length, 9 Inches; Blade Width, 2⅜ Inches; Weight Each, 4 Lbs.	**$5.10**
No. **212**—Knob handle only. Length, 5½ Inches; Blade Width, 1⅜ Inches; Weight Each, 1½ Lbs.	**3.65**

CABINET MAKERS'

Rabbet mouth to work up close into corners; handle and knob can be tilted for convenience when working up close to perpendicular surfaces. Blade springs backward in working, opening the mouth and allowing the shaving to pass through; when working pressure is released, the blade springs back to normal position. Japanned iron frame, rosewood handles and knob.

	Each
No. **85** Length, 8 Inches; Blade Width, 2 Inches; Weight Each, 2⅝ Lbs.	**$5.45**

SCRAPERS

STANLEY—DOUBLE HANDLE

Body and handles cast in one piece; handles are raised to protect the users hands and pierced for hanging up.

IRON BOTTOM

Blade may be sprung to a slight curve for ease and quickness of operation; japanned.

	Each
No. **80**—Length, 11 Inches, Blade Width, 2¾ Inches; Weight Each, 1¾ Lbs.	**$1.55**
No. **80EB**—Extra Blades	**.50**

ROSEWOOD BOTTOM

For use in the finest cabinet work. Nickel plated.

	Each
No. **81**—Length, 10 Inches; Blade Width, 2½ Inches; Weight Each, 2¼ Lbs.	**$2.40**
Extra Rosewood Bottom	**.50**

All above, One in a Box

CABINET SCRAPERS

DISSTON

Best tool steel; tempered hard, polished. Furnished plain cut edges or ground even gauge and dressed on edge.

Size Inches	Weight Per Dozen, Lbs.	Per Dozen Plain	Per Dozen Dressed
2 x 4	1	**$1.80**	**$2.50**
2 x 4	1⅝	**2.30**	**4.00**
2 x 5	1⅝	**2.40**	**4.40**
3 x 4	1⅝	**2.30**	**4.00**
3 x 5	1⅞	**2.50**	**4.90**
3 x 6	2¼	**3.30**	**5.90**
4 x 6	3	**4.40**	**8.40**

One Dozen Assorted in a Box

STANLEY

Made of high grade English steel and great care is taken to give them a special temper for this work.

Nos.	Size, Inches	Weight Per Doz., Lbs.	Per Dozen
0–A	2½ x 5	2	**$4.80**
0–B	3 x 4	2	**4.80**
0–D	3 x 5	2½	**5.40**
0–E	3 x 6	3	**5.40**
0–H	3½ x 6	3¾	**6.60**

TOOTHING CUTTERS

STANLEY

Made of high grade English steel specially tempered, Toothed for fast work.

	Each
No. **28**—28 Teeth Per Inch	**$0.65**

Six in a Box

OVAL BURNISHERS

TUCKS

Highly polished; often used as a scraper steel; glass hard; applewood handles; nickel plated ferrules.

Nos.	Length Blade, Inches	Length Over All, Inches	Weight Per Dozen, Lbs.	Per Dozen
1	3½	5¾	1¾	**$7.00**
2	4	6½	1⅞	**7.25**
3	4½	7	2	**7.75**

SCRAPERS

STANLEY

DOUBLE HANDLE
ROLLER BOTTOM

Wooden rolls back of the blade acts as a support to relieve the strain on the wrists of the workman. Handles of beech and can be detached for working into corners. Nickel plated.

	Each
No. **83**—Length, 9½ Inches, Blade Width, 4 Inches; Weight Each, 1¾ Lbs.	**$1.55**

SINGLE HANDLE
ADJUSTABLE

Can be tilted to give the blade any angle desired; special blades of different forms and widths can be securely held. Handle and knob of hardwood; frame japanned.

	Each
No. **82**—Length, 14½ Inches; Blade Width, 3 Inches; Weight Each, 1¾ Lbs.	**$1.60**

POCKET KNIVES

REMINGTON

Pearl handle, two blades, 1 large spear, full crocus polished and etched, 1 manicure file blade on back, nickel silver tips, rivets and milled lining.

Per Dozen

No. R6244—Length closed 3⅛ in., weight per dozen 1 lb. $48 00

One-half Dozen in a Box.

Stag handle, two blades, 1 large spear, crocus polished and etched, 1 manicure file blade on back, nickel silver tips, shield and rivets, milled brass lining.

Per Dozen

No. R6243—Length closed 3⅛ in., weight per dozen 1 lb. $24 00

One-half Dozen in a Box

Gun metal handle, two blades, 1 large spear, crocus polished and etched, 1 manicure file blade on back.

Per Dozen

No. R6259—Length closed 3⅛ in., weight per dozen 1 lb. $30 00

One-half Dozen in a Box

Pearl handle, two blades, 1 large spear, crocus polished and etched, 1 file blade, nickel silver bolster, tip, rivets and lining.

Per Dozen

No R6634—Length closed 3¼ in., weight per dozen ¾ pounds $37 0

Stag handle, two blades, 1 large spear, crocus polished and etched, 1 file blade, nickel silver bolster, tip, rivets and lining.

Per Dozen

No. R6633—Length closed 3⅛ in., weight per dozen ⅔ pounds $18.00

One-half Dozen in a Box.

POCKET KNIVES

REMINGTON

Pearl handle, spear blade crocus polished and etched, pen blade blue glazed, brass lined, nickel silver bolsters.

Per Dozen

No. R6464—Length closed 3 in., weight per dozen ¾ lb. $36 00

One half Dozen in a Box.

CUTLERY SHOW CASE

REMINGTON

This case is strong and compact and displays to best advantage 36 patterns of knives ranging in size up to 4 inches in length. This releases floor or counter cases for the display of other merchandise. The case occupies a space of 15 by 10⅝ inches, and is 13⅜ inches high.

Each

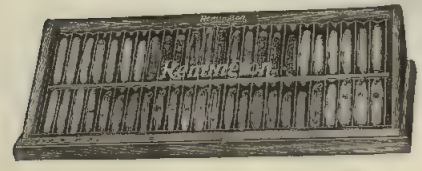
No. 36—Shipping weight approximately 12 lbs. $10 00

One in a Carton.

We carry a well assorted stock of Remington Ammunition, Rifles and Cutlery.

CUTLERY SHOW CASE

REMINGTON



This mahogany finished case with plate glass top is well made and displays 48 pocket knives in sizes up to 3½ inches in length. There is a sizeable compartment for reserve stock under display tray accessible through door on back.

Each

No. 48—24x8 in., height 5½ in., shipping weight approximately 28 lbs. $12 50

One in a Carton.

POCKET KNIVES

REMINGTON

Stag handle, three blades: 1 large clip, etched, 1 sheep-foot and 1 spey, all full crocus polished, nickel silver bolsters, shield, rivets, lining and full milled center scale.

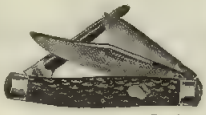
Per Dozen

No. R4113—Length closed 3¾ in., weight per dozen 2½ pounds $36.00

White pyramite handle, three blades, 1 large clip, etched, 1 sheep-foot and 1 spey, all full crocus polished nickel silver bolsters, shield rivets, lining and full milled center scale.

Per Dozen

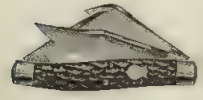
No. 3055W Length closed 3¾ in., weight per dozen 2½ pounds $30.00



Stag handle, three blades: 1 large clip, etched, 1 spey, both full crocus polished, blue glazed, 1 punch, blued inside and polished back, nickel silver bolsters, shield, rivets and full milled linings.

Per Dozen

No. R4123—Length closed 3¼ in., weight per dozen 2½ pounds $36 00



Stag handle, three blades: 1 large clip, crocus polished and etched, 1 spey, 1 sheep-foot, both blue glazed, nickel silver bolsters, shield and rivets, brass lining and milled center scale.

Per Dozen

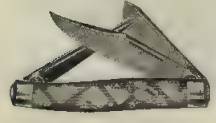
No. R3053—Length closed 3¾ in., weight per dozen 2½ pounds $28 00

No. R4563—Large size, otherwise same as No R3053 ..... 32 00

Stag handle, three blades: 1 clip, crocus polished and etched, 1 spey, blue glazed, 1 punch, blued inside, polished back, nickel silver bolster and cap, brass lining, full milled center scale.

Per Dozen

No. R3063—Length closed 3¾ in., weight per dozen 2½ pounds $30.00



Cornelian pyremite handle, clip, spey and punch blades, clip blade crocus polished and etched, spey blade blue glazed, punch blade blued and polished, milled brass lining, nickel silver bolsters.

Per Dozen

No. R3065L—Length closed 3¾ in., weight per dozen 2½ pounds $32.00

POCKET KNIVES

REMINGTON

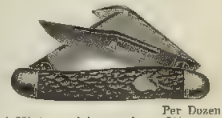
No. R3563

Stag handle, three blades: 1 clip, blue glazed and etched, 1 sheepfoot, 1 spey, blue glazed, polished steel bolsters, brass lining.

Per Dozen

No. R3553—Length closed 3⅞ in., weight per dozen 2½ pounds $24.00

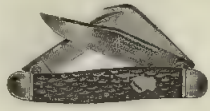
No. R3563—Same as above but with punch blade instead of sheep-foot blade 24.00



Stag handle, three blades: 1 large clip, crocus polished and etched, 1 sheep-foot, 1 spey, both blue glazed, nickel silver bolsters, shield, rivets, lining and milled center scale.

Per Dozen

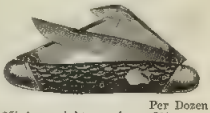
No. R3603—Length closed 3⅞ in., weight per dozen 2¼ pounds $30.00



Stag handle, three blades: 1 large clip, crocus polished and etched, 1 sheep-foot, 1 pen, both blue glazed, nickel silver bolsters, shield and rivets, brass lining and milled center scale.

Per Dozen

No. R3613—Length closed 3¾ in., weight per dozen 2¼ pounds $28 00



Stag handle, three blades: 1 long Turkish clip, crocus polished and etched, 1 sheep-foot and 1 spey, both blue glazed, nickel silver bolsters, shield, rivets, lining and full milled center scale.

Per Dozen

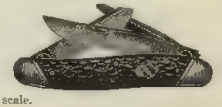
No. R3643—Length closed 3⅞ in, weight per dozen 2¼ pounds $30.00

Stag handle, three blades: 1 large Turkish clip, crocus polished and etched, 1 spey, blue glazed, 1 punch, blued inside and polished back, nickel silver bolsters, shield, rivets, lining and full milled center scale, reinforced lining on punch blade side.

Per Dozen

No. R4073—Length closed 3¾ in., weight per dozen 2¼ pounds $30 00

No. R4323—Same as No R4073, but with one large Turkish clip, one spey and one punch blade 30.00



Stag handle, three blades: 1 large Turkish clip, crocus polished and etched, 1 spey, blue glazed, 1 punch, blued inside and polished back, nickel silver bolsters, shield, rivets, lining and full milled center scale.

Per Dozen

No. R4093—Length closed 3¾ in., weight per dozen 2¼ pounds $30.00

All Above, One half Dozen in a Box.

POCKET KNIVES

REMINGTON

Stag handle, three blades, 1 long curved spey, 1 clip, both crocus polished and etched, 1 sheep foot, blue glazed, nickel silver bolsters, shield, rivets, lining and full milled center scale.

Per Dozen

No. R3923—Length closed 3¾ in., weight per dozen 2¼ pounds $32.00

No. R4513—Same as No. R3923, but with punch blade 30.00

Brown Agate Pyremite Handle, Three Blades, one slender blade, one clip and one spey, nickel silver bolsters, shield and rivets.

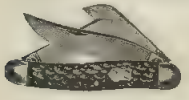
Per Dozen

No. R4553M—Length closed 4 in., weight per dozen 2½ pounds $36.00

Stag handle, Turkish clip blade crocus polished and etched, spey blade blue glazed, milled nickel silver lining and bolsters, single spring.

Per Dozen

No. R3893—Length closed 3¾ in., weight per dozen 2 lbs. $24.00



Stag handle, three blades, 1 large clip, crocus polished and etched, 1 sheep-foot and 1 spey, both blue glazed, nickel silver bolsters, shield, rivets, lining and milled center scale

Per Dozen

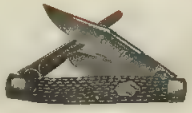
No. R4043—Length closed 3⅝ in., weight per dozen 1¾ pounds $28.00

No. R4023—Same as No. R4043, but with punch blade instead of sheep-foot blade 28.00

All Above, One half Dozen in a Box

POCKET KNIVES

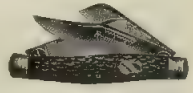
REMINGTON



Stag handle, three blades, 1 large clip, crocus polished and etched, 1 spey, blue glazed, 1 punch, blued inside and polished back, nickel silver bolsters, shield and rivets, brass lining and milled center scale.

Per Dozen

No. R3963—Length closed 3⅝ in., weight per dozen 1¾ pounds $27.00



Stag handle, three blades, 1 large clip, crocus polished and etched, 1 sheep foot, 1 spey, both blue glazed, nickel silver bolsters, shield and rivets, brass lining and milled center scale.

Per Dozen

No. R3993—Length closed 3⅝ in., weight per dozen 1½ pounds $27.00

Teakwood handle, three blades, 1 large clip, crocus polished and etched, 1 pen, 1 spey, both blue glazed, nickel silver bolsters, shield and rivets, brass lining and milled center scale

Per Dozen

No. R3975T—Length closed 3⅝ in., weight per dozen 1¾ pounds $28.00

All Above, One-half Dozen in a Box

POCKET KNIFE ASSORTMENTS

REMINGTON

Put up in neat display box.

Per Assortment

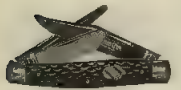
No. RM25—Containing 12 assorted pocket knives. $30.00

No. RM45—Containing 12 assorted pocket knives 32.00

One Assortment in a Box.

POCKET KNIVES

REMINGTON



Stag handle, clip, spey and punch blades, clip blade crocus polished and etched, spey blade blue glazed, punch blade blued and polished brass lined, nickel silver bolsters

Per Dozen

No. R3513—Length closed 3¾ in., weight per dozen 1¼ pounds $27 00

No. R3483—Same as No. R3513, but with sheep-foot blade instead of punch blade 24 00

Pyremite handle, three blades, 1 large clip, crocus polished and etched, 1 sheep-foot, 1 spey, both blue glazed, nickel silver bolsters, shield, rivets, lining and milled center scale

Per Dozen

No. R3505—Length closed 3⅜ in., weight per dozen 1¼ pounds $28.00

Stag handle, three blades, 1 clip, crocus polished and etched, 1 spey, blue glazed, 1 punch blued inside, polished back, nickel silver bolsters, milled brass lining.

Per Dozen

No. R3983—Length closed 3⅝ in., weight per dozen 1¼ pounds $27.00

Stag handle, master blade crocus polished and etched, other blades blue glazed, milled nickel silver lining, nickel silver bolsters.

No. R4134

Per Dozen

No. R4133—Length closed 3⅝ in., weight per dozen 1¼ pounds $28.00

No. R4134—Same as No. R4133, but with pearl handles 48.00

Pyremite handle, three blades, 1 slender Turkish clip, crocus polished and etched, 1 spey and 1 pen, both blue glazed, diagonal nickel silver bolsters, nickel silver shield, rivets, and milled lining.

Per Dozen

No. R4135—Length closed 3⅜ in., weight per dozen 1¼ pounds $29 00

All Above, One-half Dozen in a Box.

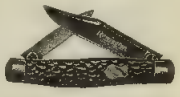
POCKET KNIVES

REMINGTON

Genuine black buffalo horn handle, clip blade crocus polished and etched, spey and pen blades blue glazed, milled brass lining, nickel silver bolsters.

Per Dozen

No. R3520—Length closed 3⅝ in., weight per dozen 1¼ pounds $28 00



Stag handle, two blades, 1 large clip, crocus polished and etched, 1 pen, blue glazed, nickel silver bolsters, shield and rivets, brass lining.

Per Dozen

No. R3533—Length closed 3⅜ in., weight per dozen 1¼ pounds $18 00

Stag handle, three blades, 1 large clip, crocus polished and etched, 1 spey, blue glazed, 1 punch blued inside and polished back, nickel silver bolsters and shield, brass lining, rivets and full milled center scale

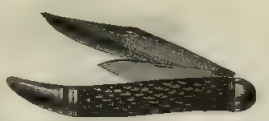
Per Dozen

No. R3413—Length closed 3⅝ in., weight per dozen 1¼ pounds $24 00

Pyremite handle, three blades, 1 large clip, crocus polished and etched, 1 spey, blue glazed, 1 punch blued inside and polished back, nickel silver bolsters and shield, brass lining, rivets and full milled center scale

Per Dozen

No. R3415G—Length closed 3⅝ in., weight per dozen 1½ pounds $27 00



Stag handle, two blades, 1 long sabre clip, etched 1 pen, both blue glazed, polished steel bolster and cap, brass rivets and lining.

Per Dozen

No. R943—Length closed 5 in., weight per dozen 2 lbs.. $24.00

Pyremite Handle, One Blade, long sabre clip, etched, blue glazed, polished steel bolster and cap, brass rivets and lining.

Per Dozen

No. R955—Length closed 5 in., weight per dozen 8 lbs. $20 00

All Above, One-half Dozen in a Box.

POCKET KNIVES

REMINGTON

Stag handle, two blades, 1 large spear, etched, 1 pen, both blue glazed, polished steel bolster, rivets, lining, shackle and 18 in. chain.

Per Dozen

No. R23CH—Length closed 3⅜ in., weight per dozen 1⅝ pounds $10.50

Hard fibre stag handle, two blades, 1 spear, 1 pen, blue glazed, one piece steel bolster and lining, 18 in. nickel plated steel chain

Per Dozen

No. R1573CH—Length closed 3 in., weight per dozen 2 pounds $9 60

Stag handle, two blades, 1 large clip, etched, 1 pen, both blue glazed, polished steel bolster, rivets and lining

Per Dozen

No. R33—Length closed 3⅜ in., weight per dozen 1⅝ lbs. $9 50
No. R31—Same as No. R33, but with redwood handles 9 50

Stag handle, one large clip blade, etched, blue glazed, polished steel bolster, rivets and lining.

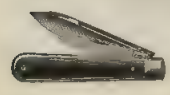
Per Dozen

No. R03—Length closed 3⅜ in., weight per dozen 1½ lbs. $8 00

Brown bone handled, two blades, 1 large clip, 1 pen, both blue glazed, polished steel bolster, polished steel rivets and lining.

Per Dozen

No. RB44—Length closed 3⅜ in., weight per dozen 1½ pounds $9.50



Black handle, two blades, 1 spear, 1 pen, blue glazed, one piece steel bolster and lining.

Per Dozen

No. R1572—Length closed 3 in., weight per dozen 2 lbs. $8.00

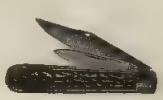
POCKET KNIVES

REMINGTON

Stag handle, clip and punch blades, clip blade blue glazed and etched, punch blade blued and polished, brass lined, steel bolster.

Per Dozen

No. R93—Length 3½ in., weight per dozen 1½ lbs. $16 00



Fibre stag handle, two blades, 1 clip, 1 pen, blue glazed, one piece steel bolster and lining.

Per Dozen

No. R1623—Length closed 3 in., weight per dozen 2 lbs.... $8.00

Pyremite handle, two blades, 1 large spear, crocus polished and etched, 1 pen, blue glazed, nickel silver cap, bolster and shield, brass lining.

Per Dozen

No. R675—Length closed 3 in., weight per dozen 1¼ lbs. $18 00

Stag handle, two blades, 1 sabre blade, 1 pen, nickel silver cap, bolster and shield.

Per Dozen

No. R983—Length closed 3 in., weight per dozen 1¼ lbs. $21.00

Stag handle, sabre Turkish clip crocus polished and etched, brass lined, nickel silver bolster

Per Dozen

No. R303—Length closed 3½ in., weight per dozen 2 lbs. $16.00
No. R305—Same as No. R303, but with pyremite handle 16.00

Genuine stag handle, one blade, sticking and skinning, crocus polished and etched, nickel silver bolster, shield, rivets and lining, hollow rivet in butt for thong, flush lock back.

Per Dozen

No. R1306—Length closed 4¼ in., weight per dozen 4½ pounds $48.00

All Above, One-half Dozen in a Box.

POCKET KNIVES

REMINGTON

OFFICIAL KNIFE, BOY SCOUTS OF AMERICA,

REGULATION SIZE

Stag handle, four blades, 1 large spear, crocus polished and etched with Scout insignia, 1 combination bottle opener and screw driver, 1 can opener, both blue glazed, 1 punch, blued inside, polished back, nickel silver bolsters, shackle, rivets and emblem shield, brass lining, milled center scale and reinforced lining on punch blade side.

Per Dozen

No. RS3333—Length closed 3¾ in., weight per dozen 2¾ pounds $28 00

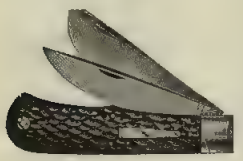
OFFICIAL KNIFE, BOY SCOUTS OF AMERICA,

JUNIOR SIZE

Stag handle, four blades, 1 large spear, crocus polished and etched with Scout insignia, 1 combination bottle opener and screw driver, 1 can opener, both blue glazed, 1 punch, blued inside and polished back, nickel silver bolsters, shackle, rivets and emblem shield, brass lining, milled center scale and reinforced lining on punch blade side.

Per Dozen

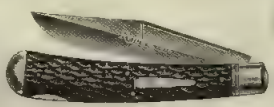
No. RS4233—Length closed 3⅝ in., weight per dozen 2 pounds $28 00



Stag handle, two blades, 1 large skinning, etched, 1 large sticking, both blue glazed, nickel silver bolster, shield and rivets, brass lining, hole in butt for thong.

Per Dozen

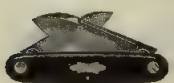
No. R1123—Length closed 4¼ in., weight per dozen 4½ pounds $40.00



Stag handle, one blade, large sabre clip, crocus polished and etched, lock back, nickel silver bolster, cap and shield, brass lining.

Per Dozen

No. R1253—Length closed 5¼ in., weight per dozen 4½ pounds $48 00



Black handle, two blades, 1 large spear, crocus polished and etched, 1 pen, blue glazed, nickel silver saw rivets and shield, brass lining.

Per Dozen

No. 3432—Length closed 3¼ in., weight per dozen 1½ pounds $16 00

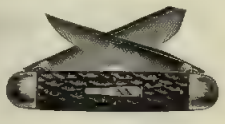
POCKET KNIVES

REMINGTON

Pyremite handle, two blades, 1 large spear, crocus polished and etched, 1 pen, blue glazed, nickel silver bolsters, shield and rivets, brass lining.

Per Dozen

No. R3445—Length closed 3¼ in., weight per dozen 1½ pounds $18 00



Stag handle, two blades, 1 special scimiter or sticking blade, crocus polished, 1 special skinning blade, blue glazed, nickel silver bolsters, rivets and cartridge shield, brass lining.

Per Dozen

No. R4353—Length closed 4¼ in., weight per dozen 2⅝ pounds $32.00

Stag handle, two blades, 1 large clip, crocus polished and etched, 1 pen, blue glazed, nickel silver bolsters, shield and rivets, brass lining.

Per Dozen

No. R4473—Length closed 3¼ in., weight per dozen 1½ pounds $16.00

Cocobolo handle, two blades, 1 large spear, 1 pen, nickel silver bolster, shield and rivets, both blades on same end.

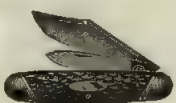
Per Dozen

No. R488—Length closed 3½ in., weight per dozen 1½ pounds $20.00

Stag handle, two blades, 1 large clip, crocus polished and etched, 1 punch, blued inside and polished back, nickel silver bolster, cap, shield and rivets, brass lining

Per Dozen

No. R463—Length closed 3⅜ in., weight per dozen 1½ pounds $20.00



Stag handle, two blades, 1 large clip, crocus polished and etched, 1 pen, blue glazed, nickel silver bolster, cap, shield and rivets, brass lining.

Per Dozen

No. R473—Length closed 3⅜ in., weight per dozen 1½ pounds $20.00

All Above One-half Dozen in a Box.

POCKET KNIVES

REMINGTON

Pyremite handle, two blades, 1 large spear, crocus polished and etched, 1 pen, blue glazed, nickel silver bolsters, shield and rivets, brass lining.

Per Dozen

No. R6195—Length closed 3¼ in., weight per dozen ⅝ pounds $20.00

Pyremite handle, slender Turkish clip blade, crocus polished and etched, pen blade blue glazed, brass lined, nickel silver tips.

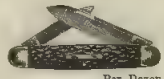
Per Dozen

No. R4145—Length closed 3⅜ in., weight per dozen 1⅛ pounds $22.00

Pyremite handle, spear blade crocus polished and etched, pen blade blue glazed, brass lined, nickel silver tips.

Per Dozen

No. R6795—Length closed 3⅜ in., weight per dozen 1⅛ pounds $20.00



Stag handle, spear blade crocus polished and etched, file blade blue glazed, brass lined, nickel silver bolsters.

Per Dozen

No. R6473—Length closed 3 in., weight per dozen ⅝ lbs. $16.00

Stag handle, two blades, 1 large spear, crocus polished and etched, 1 pen, blue glazed, nickel silver tips, shield and rivets, brass lining.

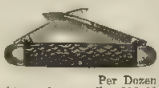
Per Dozen

No. R6643—Length closed 3⅛ in., weight per dozen 1 lb. $16.00

Pyremite handle, two blades, 1 large spear, crocus polished and etched, 1 pen, blue glazed, nickel silver bolsters, rivets and lining.

Per Dozen

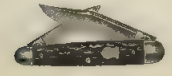
No. R6875—Length closed 3 in., weight per dozen ⅝ lbs...$19.50



Stag handle, spear blade crocus polished and etched, pen blade blue glazed, brass lined, nickel silver bolsters.

Per Dozen

No. R6463—Length closed 3 in., weight per dozen ⅝ lbs. $16.00



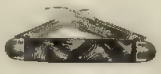
Stag handle, two blades, 1 large clip, crocus polished and etched, 1 pen, blue glazed, nickel silver bolsters, shield and rivets, brass lining.

Per Dozen

No. R7423—Length closed 3⅛ in., weight per dozen 11 ounces $16.00

POCKET KNIVES

REMINGTON



Pyremite handle, spear blade crocus polished and etched, pen blade blue glazed, brass lined, nickel silver bolsters.

Length Closed 3 Inches.

We ght per Dozen 12 Ounces

Per Dozen

No. R6465K—Gold bronze pyremite handle $18.00

No. R6465R—Crimson pyremite handle 18.00

Stag handle, two blades, 1 large spear, crocus polished, 1 pen, blue glazed, nickel silver tips and rivets, brass lining.

Per Dozen

No. R6483—Length closed 2¾ in., weight per dozen ⅝ pounds $16.00

Gun metal handle, two blades 1 large spear, blue glazed and etched 1 file blade, nickel silver shackle

Per Dozen

No. R6519—Length closed 3 in., weight per dozen ⅝ lbs. $20.00

Stag handle, two blades, 1 large spear, 1 pen blade, nickel silver shackle.

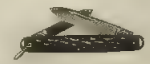
Per Dozen

No. R6843—Length closed 3 in., weight per dozen ⅝ lbs.. $16.00

Pearl handle, two blades, 1 large spear, 1 pen, both full crocus polished, nickel silver tips, shackle, rivets and lining.

Per Dozen

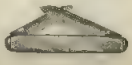
No. R6904—Length closed 2½ in., weight per dozen ⅞ pounds $24.00



Stag handle, two blades, 1 spear, crocus polished, 1 nail file, nickel silver tips, shackle and lining.

Per Dozen

No. R7713—Length closed 2½ in., weight per dozen ⅞ pounds $16.00



Silver horn pyremite handle, two blades, 1 large spear, crocus polished, 1 pen, blue glazed, nickel silver tips, rivets and lining.

Per Dozen

No. R6905F—Length closed 2½ in., weight per dozen ⅞ pounds $16.00

All Above, One-half Dozen in a Box.

POCKET KNIVES

REMINGTON

Stag handle, three blades, 1 large sabre clip, crocus polished and etched, 1 pen, 1 small clip, both blue glazed nickel silver bolsters, shield and rivets, milled brass lining.

Per Dozen

No. R7293—Length closed 3⅜ in., weight per dozen pounds $30 00

Teakwood pyremite handle, three blades, 1 large sabre clip, crocus polished and etched, 1 spey, blue glazed, 1 punch, blued inside and polished back, nickel silver bolsters, shield and rivets, milled brass lining.

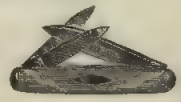
Per Dozen

No. R6545T—Length closed 3⅜ in., weight per dozen 1⅜ pounds $32 00

Stag handle, spear blade crocus polished and etched, pen blades blue glazed, milled brass lining, diagonal nickel silver bolsters.

Per Dozen

No. R3423—Length closed 3⅜ in., weight per dozen 1½ pounds $24 00



Pyremite handle, three blades, 1 large spear, crocus polished and etched, 1 pen, blue glazed, 1 file blade, nickel silver tips, shield and rivets, brass lining.

Per Dozen

No. R6805—Length closed 3⅜ in., weight per dozen 1½ pounds $27 00

Pyremite handle, three blades, 1 large spear, crocus polished and etched, 1 pen, blue glazed, 1 file blade, nickel silver tips, shield and rivets, brass lining.

Per Dozen

No. R6595—Length closed 3⅜ in., weight per dozen 1¼ pounds $30 00

No. R6654—Same as No. R6595, but with pearl handles .. 48 00

Stag handle, four blades, 1 large spear, crocus polished and etched, 1 pen, 1 cut-off pen, both blue glazed, 1 file blade, nickel silver tips, shield and rivets, brass lining

Per Dozen

No. R6223—Length closed 3¼ in., weight per dozen 1 lb. $30 00

Stag Handle, Three Blades, 1 large spear, 1 pen and 1 file blade, nickel silver tips and rivets.

Per Dozen

No. R6533—Length closed 3 in., weight per dozen 1 lb. $27.00

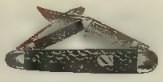
Pearl Handle, Three Blades, 1 large spear, 1 pen and 1 file blade, nickel silver tips

Per Dozen

No. R6224—Length closed 3¼ in., weight per dozen 1 lb. $54 00

POCKET KNIVES

REMINGTON



Stag handle, three blades, 1 large heavy clip, crocus polished and etched, 1 pen and 1 nail file, both blue glazed, nickel silver bolsters, shield and rivets, brass lining

Per Dozen

No. R6723—Length closed 3¼ in., weight per dozen 1¼ pounds $27.00

Pyremite handle, four blades 1 large spear, crocus polished and etched, 2 pens, blue glazed, 1 file blade, nickel silver bolsters, shield and rivets, brass lining.

Per Dozen

No. R6705—Length closed 3 in., weight per dozen 1 lb. $32 00

Pyremite handle, three blades, 1 large spear, 1 pen, both full crocus polished, 1 manicure file blade on back, nickel silver bolsters and rivets, milled brass lining.

Per Dozen

No. R6445—Length closed 2¾ in., weight per dozen ¾ pound $42.00

Nickel silver handle, three blades, 1 large spear, 1 pen, both full crocus polished, 1 manicure file blade on back, nickel silver shackle and rivets.

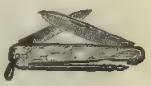
Per Dozen

No. R6439—Length closed 2¾ in., weight per dozen ¾ pound $40 00

Pearl handle, two blades, 1 slender Turkish clip, crocus polished and etched, 1 pen, blue glazed, nickel silver tips, shield and rivets, milled brass lining.

Per Dozen

No. R4144—Length closed 3¾ in., weight per dozen 1½ pounds $48.00



Pearl handle, three blades, 1 large spear, 1 pen, both full crocus polished, 1 manicure file blade on back, nickel silver shackle, rivets and milled lining

Per Dozen

No. R6434—Length closed 2¾ in., weight per dozen ¾ pound $56.00

All Above, One-half Dozen in a Box.

HAY CARRIERS

NEY

No. 90

Open throat, swivel reversible. To run on 4x4-inch wood track. Malleable iron throughout, aluminum finish, gravity lock, hoisting block locks automatically. All sheaves revolve on turned steel bushings.

No.	Sheaves	Wt. each	Each
90	For manila rope	30 lbs.	$14.10

NOS. 170 AND 175

ROLLER BEARINGS

Extra heavy, open throat, swivel reversible. To run on Neys double angle steel track. Malleable iron throughout, aluminum finish, gravity lock, hoisting block locks automatically. Sheaves, 7 inches in diameter, and revolve on large roller bearings.

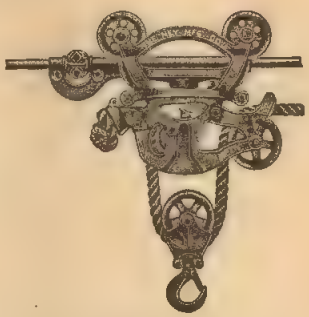
No	Sheaves	Wt. each	Each
170	For manila rope	35 lbs.	$18.80
175	For wire rope	35 lbs.	18.80

NOS. 270 AND 275

PLAIN BEARINGS

Same description as Nos. 170 and 175, except with plain bearings.

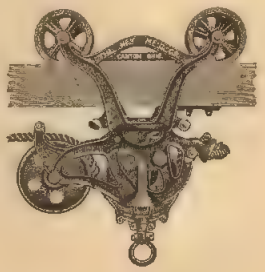
No.	Sheaves	Wt. each	Each
270	For manila rope	35 lbs.	$17.20
275	For wire rope	35 lbs.	17.20



NOS. 80 AND 80-C

Open throat, swivel reversible. To run on ½, ⅝ or ¾-inch wire rope. Malleable iron throughout, aluminum finish, gravity lock, hoisting block locks automatically. All sheaves revolve on turned steel bushings.

No.	Sheaves	Wt. each	Each
80	For manila rope	25 lbs.	$14.10
80-C	For wire rope	25 lbs.	14.10



NOS. 180 AND 185

ROLLER BEARINGS

Extra heavy, open throat, swivel reversible. To run on 4x4-inch wood track. Malleable iron throughout, aluminum finish, gravity lock, hoisting block locks automatically. Sheaves are 7 inches in diameter and revolve on large turned steel roller bearings.

No.	Sheaves	Wt. each	Each
180	For manila rope	40 lbs.	$18.80
185	For wire rope	40 lbs.	18.80

NOS. 280 AND 285

PLAIN BEARINGS

Same description as Nos. 180 and 185, except with plain bearings.

No	Sheaves	Wt. each	Each
280	For manila rope	40 lbs.	$17.20
285	For wire rope	40 lbs.	17.20

Loose.

EXTRA PARTS FOR NEY HAY CARRIERS

FOR NO. 80 CARRIER

No		Each	No		Each
21-C	Upper Side with Travelers	$2.25	108-X	Hook for Lifting Pulley	$0.40
130-XX	Lower Side	1.50	107-X	Frame for Lifting Pulley	.80
131-XX	Lower Side	1.50	20-CL	Bumper or Trip Block	1.50
22-C	Upper Dog or Lock	.60		Complete Lifting or Fork Pulley	1.50
103-XX	Lower Dog or Lock	.60	Z-6	Iron Sheave	.50
104-XX	Lower Dog or Lock	.60	11-C	Track or Cable Wheel	.50

FOR NO. 80-C CARRIER

No.		Each
Z-6-C	Iron Sheave	$0.50

Balance of parts same as for No 80.

FOR NO. 90 CARRIER

No.		Each	No		Each
110-X	Upper Side with Travelers	$3.00	104-XX	Lower Lock	$0.60
130-XX	Lower Side with Dog attached	2.25	17	Track Wheel	.60
131-XX	Lower Side with Dog attached	2.25	Z-6	Iron Sheave	.50
105-XX	Upper Lock	.60	107-X	Lifting Pulley	1.50
103-XX	Lower Lock	.60	9	Bumper or Trip Block	.60

FOR NOS. 170 AND 270 CARRIERS

No.		Each	No		Each
135-X	Upper Side with Travelers	$3.00	108-X	Hook	$0.40
136-X	Lower Side	3.00	111-X	Clevis Swivel	.30
137-X	Lower Side	3.00	37	Track Travelers	.50
139-X	Upper Locking Dog	.60	142-X	Lifting Pulley Wheel	1.25
140-X	Lower Locking Dog	.60	5	Bumper or Trip Block	.60
141-X	Lower Locking Dog	.60	138-X	R & L. Lifting or Fork Pulley	2.25
109-X	Hook Snap	.20			

FOR NOS. 175 AND 275 CARRIERS

No		Each
7-C	Draft Wheel	$1.25
138-C	Lifting or Fork Pulley	2.25

Balance of parts same as for No. 170.

FOR NOS. 180 AND 280 CARRIERS

No		Each
110-X	Upper Side with Travelers	$3.00
17	Track Wheel	.60

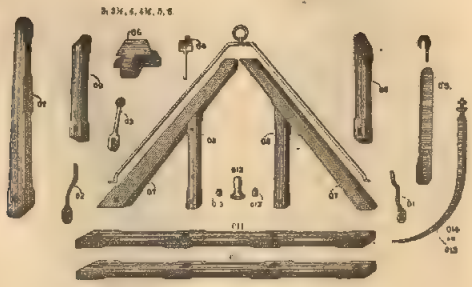
Balance of parts same as for No 170.

FOR NOS. 185 AND 285 CARRIERS

No.		Each	No.		Each
110-X	Upper side with Travelers	$3.00	7-C	Draft Wheel	$1.25
17	Track Wheel	.60	138-C	Lifting or Fork Pulley	2.25

Balance of parts same as for No. 170

EXTRAS FOR JACKSON'S DERRICK FORK



In ordering extras, be sure to give number and size of fork.

No.		Each
01	Iron Brace. Supports tine from right outside arm	$0.50
02	Same as No. 01, on left side of head	.50
03	Straight Iron Brace. Supports center tine	.50
04	Bolt or Latch. Locks the bail while loaded	.50
	Spring	.50
05	Hook and Leather Strap	.50
06	Iron Clip for main arm	1.00
	Iron Clip for main arm	1.00
	Iron Clip for main arm	1.00
	Iron Clip for main arm	1.00
	Iron Clip for main arm	1.00
	Iron Clip for main arm	1.00
07	Main or Long Arm. Best hickory. Size, 3 feet	1.00
	Main or Long Arm. Best hickory. Size, 3½ feet	1.25
	Main or Long Arm. Best hickory. Size, 4 feet	1.25
	Main or Long Arm. Best hickory. Size, 4½ feet	1.25
	Main or Long Arm. Best hickory. Size, 5 feet	1.35
	Main or Long Arm. Best hickory. Size, 6 feet	1.50
08	Center or Short Arm. Size, 3 feet	1.65
	Center or Short Arm. Size, 3½ feet	.75
	Center or Short Arm. Size, 4 feet	.75
	Center or Short Arm. Size, 4½ feet	.75
	Center or Short Arm. Size, 5 feet	.75
	Center or Short Arm. Size, 6 feet	.75
09	Two Extra Arms for 5 and 6-foot forks, have two extra tines. Size, 5 feet	.75
	Two Extra Arms for 5 and 6-foot forks, have two extra tines. Size, 6 feet	.75
010	Cross or Head Piece with square holes for tines. Size, 3 feet	.75
	Cross or Head Piece with square holes for tines. Size, 3½ feet	.75
	Cross or Head Piece with square holes for tines. Size, 4 feet	.75
	Cross or Head Piece with square holes for tines. Size, 4½ feet	.75
	Cross or Head Piece with square holes for tines. Size, 5 feet	.75
	Cross or Head Piece with square holes for tines. Size, 6 feet	.75
011	Cross or Head Piece with round holes for tines. Size, 3 feet	.50
	Cross or Head Piece with round holes for tines. Size, 3½ feet	.50
	Cross or Head Piece with round holes for tines. Size, 4 feet	.50
	Cross or Head Piece with round holes for tines. Size, 4½ feet	.50
	Cross or Head Piece with round holes for tines. Size, 5 feet	.50
012	Handles	.10
013	Blocks or Thimbles	.05
014	Tines for all sizes except 3-foot hay forks	2.50
015	Tines for 3-foot hay forks	2.00
016	Tines, extra long (5 feet)	3.00
017	Bail to hoist fork. Size, 3 feet	2.50
	Bail to hoist fork. Size, 3½ feet	2.75
	Bail to hoist fork. Size, 4 feet	3.00
	Bail to hoist fork. Size, 4½ feet	3.00
	Bail to hoist fork. Size, 5 feet	3.25
	Bail to hoist fork. Size, 6 feet	3.50

HAY CARRIER FORKS

NELLIS

No. 319

DOUBLE HARPOON

NOS. 313 AND 315

Malleable iron heads, wrought steel blade, tool steel point

No	Length	Wt each	Each
319	36 in.	12 lbs.	$7.00

NOS. 313 AND 315

Wrought steel frame, spring steel spear points.

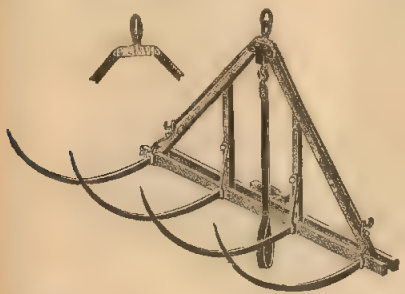
No.	Length tines	Wt each	Each
313	25 in.	17 lbs.	$3.16
315	31 in.	21 lbs.	3.50

AUTOMATIC GRAPPLE

No. 312

Tines of best quality spring steel. Malleable iron lock and handles. Heavy materials throughout. Perfectly constructed. Automatic action, positive locking, perfectly balanced. Works equally well with small or large load. Tines sharpened and polished. Balance finished in Japan and gold.

No	Tines	Wt. each	Each
312	6	66 lbs.	$16.80

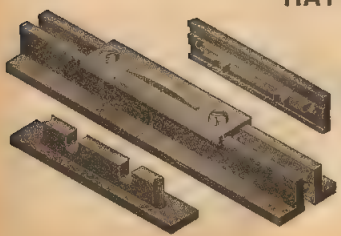


GENUINE JACKSON'S DERRICK

Manufactured by Byron Jackson. Tines of best quality spring steel. Drop forged latches. Wood parts of clear hickory, bolted and riveted together. Bail is extra strong with drop forged eye.

Width	Tines	Weight	Each
3 ft.	4	35 lbs.	$16.75
3½ ft.	4	40 lbs.	17.25
4 ft.	4	45 lbs.	17.75
4½ ft.	4	50 lbs.	18.25
5 ft.	6	55 lbs.	22.25
5½ ft.	6	55 lbs.	22.75
6 ft.	6	60 lbs.	23.25

HAY CARRIER TRACK



NEY'S DOUBLE ANGLE STEEL

High carbon steel, securely riveted together every two feet. Patent positive coupling prevents track slipping apart at joints. Hangers are driven up from lower side of track and may be placed at any point to meet rafters. Price includes necessary couplings.

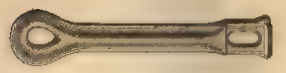
	Lengths	Wt. per foot	Per foot
Ney's D. A. Track	6, 8 and 12 ft.	2¼ lbs.	$0.35
			Each
Extra Couplings—For Ney's D. A. Track			$0.45

All the above, loose.

HAY CARRIER FIXTURES

NEY

D. A. TRACK EYES



NOS. 66 TO 68

Malleable iron, for hanging D. A. steel track.

No.	Length	Wt. each	Each
66	4½ in.	5 ozs.	$0.25
67	5½ in.	6 ozs.	.25
68	6½ in.	7 ozs.	.25

D. A. OPEN TRACK EYES

NOS. 167 AND 169

Malleable iron, for hanging D. A. steel track. Can be easily attached to or removed from rafter bracket.

No.	Length	Wt. each	Each
167	5½ in.	7 ozs.	$0.25
169	7½ in.	9 ozs.	.25

D. A. BOARD HOOKS

No. 71

Malleable iron, for hanging D. A. steel track.

No.	Length	Wt. each	Each
71	8½ in.	1 lb.	$0.30

WOOD TRACK HOOKS

NOS. 14 AND 16

Made of ½-inch round wrought steel, for hanging wood track.

No.	Length	Wt. each	Each
14	14 in.	1 lb.	$0.25
16	16 in.	1 lb.	.30

JOINTED WOOD TRACK EYES

No. J-12

Made of ½-inch round wrought steel.

No.	Length	Wt. each	Each
J-12	12 in.	1½ lbs.	$0.40

WOOD TRACK EYES

NOS. 8 AND 10

Made of ½-inch round wrought steel.

No.	Length	Wt. each	Each
8	8 in.	10 ozs.	$0.20
10	10 in.	12 ozs.	.20

FLOOR HOOKS

Wrought steel, used with hay fork pulleys

Diam.	Wt. each	Each
⅝ in.	1 lb.	$0.25
¾ in.	1¼ lbs.	.30

SWIVEL ROPE HITCHES

No. 23

Convenient for taking up or letting out rope.

No.	Wt. each	Each
23	1½ lbs.	$0.60

All the above, loose.

RAFTER BRACKETS

No. 17

Wrought steel, used in connection with track eyes or hooks for hanging track.

No.	Wt. each	Each
17	4 ozs.	$0.10

SLING PULLEYS

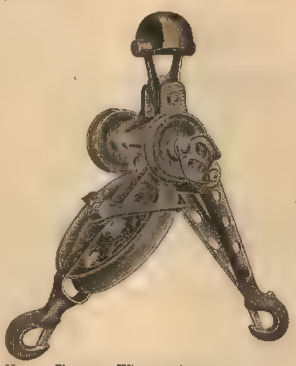
NEY

No. 300

Self-locking, for Manila rope. Malleable iron throughout. Can be furnished with any style registering head for any make of carrier

No.	Sheaves	Wt. per pair	Per pair
300	5 in. diam.	9 lbs.	$6.30

NOTE—Our stock has same style register head as shown on cut No. 330 opposite.

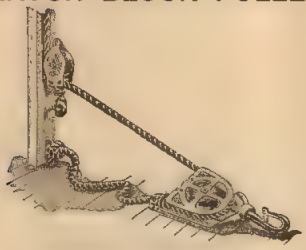


No. 330

Self-locking, for ⅝ or ¾-inch wire rope. Malleable iron throughout. Can be furnished with any style registering head for any make of carrier.

No.	Sheaves	Wt per pair	Per pair
330	7 in. diam.	14 lbs.	$10.40

SNATCH BLOCK PULLEYS

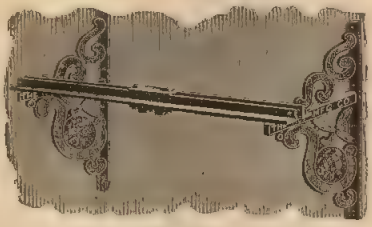


No. 123

Malleable iron, 4-inch sheave for 1-inch rope or smaller

No.	Wt. each	Each
123	4½ lbs.	$1.85

DISPLAY BRACKETS



Cast iron, japanned, gold trimmed. Just the thing to effectively show Ney Carriers. Fit a length of D. A. steel track on the brackets, then place a carrier on the track. This makes a very effective silent salesman. One pair of brackets furnished free on application.

NOS. 308-BM AND 308-BW

IRON PULLEY BLOCKS

JACKSON'S

These blocks have patented hardwood bearing boxes which, if kept oiled, insure durability and easy running. They have either hook or bolt to hang or bolt to floor, and 8-inch diameter sheave for Manila rope or steel wire cable.

No		Wt. each	Each
308-BM	With bolt for Manila rope	30 lbs.	$7.50
308-BW	With bolt for wire rope	30 lbs.	7.50
308-HM	With hook for Manila rope	30 lbs.	7.50
308-HW	With hook for wire rope	30 lbs.	7.50

All the above, loose.

NOS. 308-HM AND 308-HW

HAY FORK PULLEYS

No. 115

NOS. 131 AND 132—WIRE ROPE

No. 125—KNOT PASSING

No. 115

Cast iron. Loose pin. 6-inch sheave. For ⅞-inch rope or smaller.

No.	Wt. each	Each
115	3¼ lbs.	$1.00

No. 125

Cast iron. Loose pin. 5-inch sheave. For ⅞-inch rope or smaller.

No.	Wt. each	Each
125	4 lbs.	$1.20

MOORES PATTERN
ANTI-FRICTION

ROLLER BUSHING

NOS. 1, 10 AND 12 — NOS. 3, 11 AND 13

Japanned malleable iron shell. Steel roller bushings with turned steel pin.

SWIVEL RING, FOR MANILA OR SISAL ROPE

No.	Sheave	Wt. each	Each
1	5 in. diam.	5¾ lbs.	$2.45

SWIVEL RING, FOR ⅜ OR ½-INCH WIRE ROPE

No.	Sheave	Wt. each	Each
10	5 in. diam.	6¼ lbs.	$3.00
12	8 in. diam.	9 lbs.	5.35

SWIVEL HOOK, FOR MANILA OR SISAL ROPE

No.	Sheave	Wt. each	Each
3	5 in. diam.	6½ lbs.	$2.45

SWIVEL HOOK, FOR ⅜ OR ½-INCH WIRE ROPE

No.	Sheave	Wt. each	Each
11	5 in. diam.	5¼ lbs.	$3.00
13	8 in. diam.	9¼ lbs.	5.35

EXTRA SHEAVES FOR ANTI-FRICTION HAY FORK PULLEYS

Nos.		Wt. each	Each
1 and 3	5 in. diam.	2½ lbs	$1.25
10 and 11	5 in. diam.	2 lbs	1.35
12 and 13	8 in. diam.	4 lbs.	1.80

NOS. 131 AND 132

Heavy pressed steel frame. Swivel hook. Sheave, 7 inches in diameter. For ⅝ or ½-inch wire rope.

PLAIN BUSHED

No.	Wt. each	Each
131	6¾ lbs.	$2.40

ROLLER BUSHED

No.	Wt. each	Each
132	7 lbs.	$2.50

EXTRA SHEAVES

For No 131.

	Wt. each	Each
Plain Bushed	3⅓ lbs.	$1.35

For No. 132.

	Wt. each	Each
Roller Bushed	3½ lbs.	$1.50

HAY BLOCKS

WOOD, FOR MANILA ROPE

No. 637

Patent roller bushed sheave. Stiff swivel hook. Varnished hardwood shell. Iron strapped, with becket.

No.	Length of shell	For rope diam.	Size sheave	Wt. each	Each
637	8 in.	⅝ in.	4¾x1⅛x⅝ in.	8 lbs.	$2.85

STEEL SHELL, FOR WIRE ROPE

No. 10-W

No. 10-W

A very strong and serviceable block, especially made for use with hay tools. It has ¾-inch flatted hook. Length of shell 10 inches; sheaves 7 inches in diameter by 1¼ inches thick by ⅝-inch pin. Bronze bushed self-lubricating sheave, for ⅝ and ½-inch wire rope. Side straps are 1½x¼ inch.

No.	Wt. each	Each
10-W	10¾ lbs	$6.00

All the above, loose.

WOOD TACKLE BLOCKS

SINGLE

DOUBLE

TRIPLE

Varnished hardwood shell, with cast iron sheave, japanned. Japanned wrought iron straps.

Length shell, inches	For rope diam., inches	Size sheave, inches	Weight each, pounds: Single	Double	Triple	"COMMON" BLOCKS with plain sheaves: Single, each	Double, each	Triple, each	"PATENT" BLOCKS with patent roller bushed sheaves: Single, each	Double, each	Triple, each
3	⅝	1¾ x ½ x ⅜	¾	1¼	..	$0.70	$1.30	...	$1.10	$2.00	...
4	⅝	2¼ x ⅝ x ⅜	1¼	2	..	.85	1.60	...	1.20	2.25	...
5	⅝	3 x ⅝ x ⅜	2¼	4	..	.90	1.75	...	1.25	2.35	...
6	⅞	3½ x1 x½	4	6	9	1.10	2.00	$2.90	1.50	2.85	$4.40
7	⅞	4¼ x1 x½	6	10	..	1.30	2.40	...	1.70	3.35	...
8	1	4¾ x1 ⅛ x ⅝	8	13	18	1.65	2.85	4.25	2.25	4.15	6.00
10	1⅛	6¼ x1 ¼ x ⅝	14	22	28	2.75	4.50	6.25	3.50	6.00	8.50
12	1¼	8 x1 ⅝ x ¾	23	37	49	4.45	7.50	10.65	5.80	9.20	13.20

WOOD SNATCH BLOCKS

Varnished hardwood shell, with cast iron sheave, japanned. Japanned wrought iron straps.

Length of shell, inches		6	8	10	IX
Size of sheave, inches		3x1 ⅛ x ½	4 ½ x1 ⅜ x ⅝	5 ¾ x1 ⅜ x ¾	6 ¾ x2 ⅛ x ¾
Diameter of rope, inches		⅞	1	1¼	1⅛
Weight each, pounds		6	12	21	31
Common	Each	$5.00	7.25	10.75	12 50
Patent	Each	6.00	[illegible]	12.50	14.50
Extra Common Sheaves	Each	.35	.55	.95	1.30

MANILA ROPE SHEAVES

PATENT

Japanned Iron, Roller Bushing

Size of block, in	Size of sheave, in.	Diam. of rope, in.	Wt. each	Each
3	1¾ x ½ x ⅜	⅜	¼ lbs.	$0.60
4	2¼ x ⅝ x ⅜	½	½ lbs.	.70
5	3 x ¾ x ⅜	⅝	¾ lbs.	.85
6	3½ x1 x½	¾	1¼ lbs.	1.00
7	4¼ x1 x½	⅞	1¾ lbs.	1.15
8	4¾ x1 ⅛ x ⅝	1	2 lbs.	1.50
10	6¼ x1 ¼ x ⅝	1⅛	3¼ lbs.	2.00
12	8 x1 ⅜ x ¾	1¼	6¼ lbs.	3.00
15	10 x1 ⅝ x ⅞	1½	10 lbs.	4.00

COMMON

Japanned Iron, Plain Bushing

Size of block, in.	Size of sheave, in.	Diam. of rope, in.	Wt. each	Each
3	1¾ x ½ x ⅜	⅜	¼ lbs.	$0.12
4	2¼ x ⅝ x ⅜	½	⅜ lbs.	.20
5	3 x ¾ x ⅜	⅝	½ lbs.	.30
6	3½ x1 x½	¾	⅝ lbs.	.40
7	4¼ x1 x½	⅞	1¼ lbs.	.50
8	4¾ x1 ⅛ x ⅝	1	1¾ lbs.	.65
10	6¼ x1 ¼ x ⅝	1⅛	3 lbs.	1.00
12	8 x1 ⅜ x ¾	1¼	5¼ lbs.	1.50
15	10 x1 ⅝ x ⅞	1½	9¼ lbs.	2.40

All the above, loose.

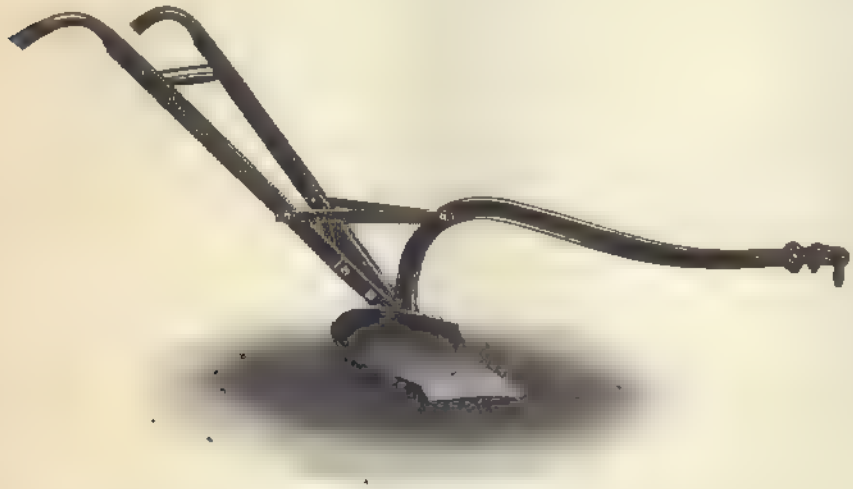
LYNCHBURG CHILLED PLOWS

All goods made by the Lynchburg Plow Works bear this mark.

It guarantees Quality, Fit, Finish and Wear

Lynchburg chilled plows represent all that is modern in successful plow construction. Their scientific construction and excellent shedding qualities makes them wonderfully light in draft and easily handled by plow men. The Virginia iron mixture and special bracing insures long life and reduces liability of breakage. They are economical implements—guaranteed to give entire satisfaction

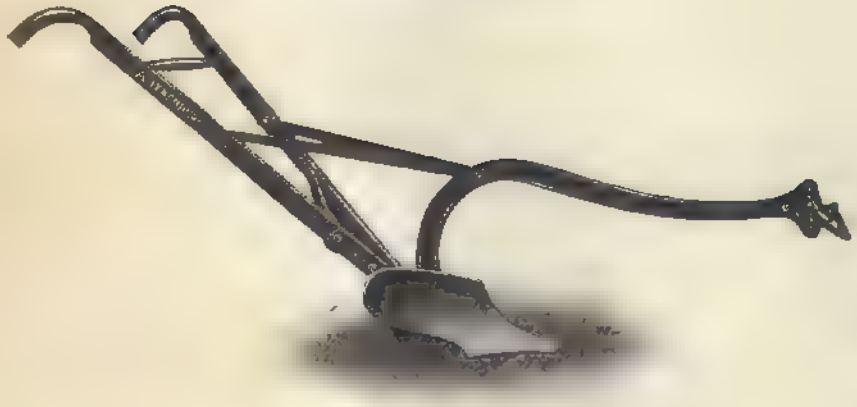
By selling Lynchburg Chilled Plows you get the maximum dealers' profit at the minimum consumers cost.



The "Trucker"

The latest model of light one-horse plow with every modern improvement. Adapted to a wide variety of work, playing no favorites in soils, but running and shedding perfectly in sand, loam, gravel and clay soils. Built with malleable standard, sloping landside and cutter share and can be fitted with medium and small moldboards, thus giving it a wide range of cultivation.

The Trucker—Right hand only; capacity 4½x7½; weight, each 60 pounds ..... Each **$9 25**



No. 3X

Medium one-horse steel beam plow, with sloping landside and cutter share. The properly curved moldboard insures light draft and easy shedding.

Built upon correct lines and adapted to all kinds of one-horse work

No. 3X—Right hand only capacity 4½x8; weight each 65 pounds.. . . . Each **$10.00**

No. 6X

The first one-horse steel beam plow made with cutter share and deservedly one of the most popular with the Southern planter. Its strong construction, high arched beam and practical bracing, coupled with the finely shaped moldboard, make it the one-horse plow for either clay, gravelly or loamy soils. Extension moldboard for terracing can be furnished for this plow.

No. 6X Right hand only; capacity, 4½x9; weight each 70 pounds... . . Each **$10 25**

Department No. 5

AGRICULTURAL AND CONTRACTORS TOOLS AND SUPPLIES

Plows, Cultivators, Harrows, Planters

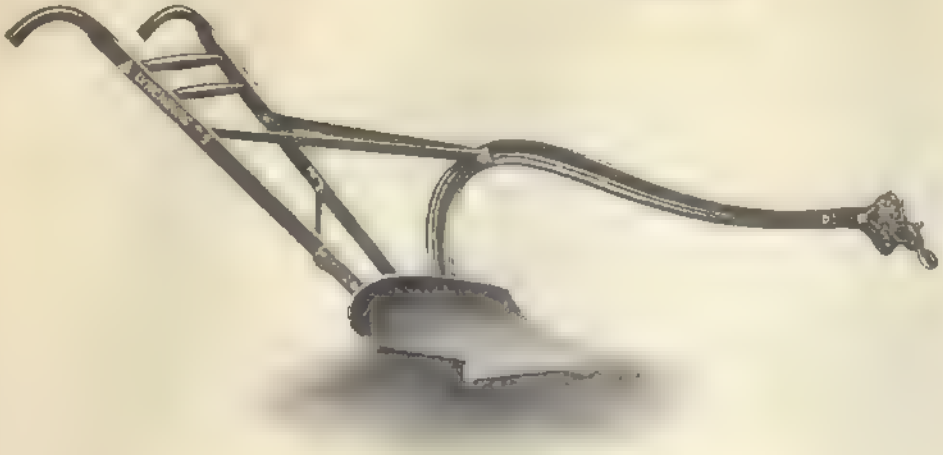
Tools for the Farm, Lawn and Garden Forks, Hoes
Rakes, Shovels, Spades and Scoops, Wheelbarrows
Trucks, Road Scrapers, Lawn Mowers
Hose, Hay Carriers, Pumps, Sprayers
Insecticides and Fungicides

KEITH-SIMMONS CO., INC.
NASHVILLE, TENN.

LYNCHBURG CHILLED PLOWS

All goods made by the Lynchburg Plow Works bear this mark

It guarantees Quality Fit, Finish and Wear.

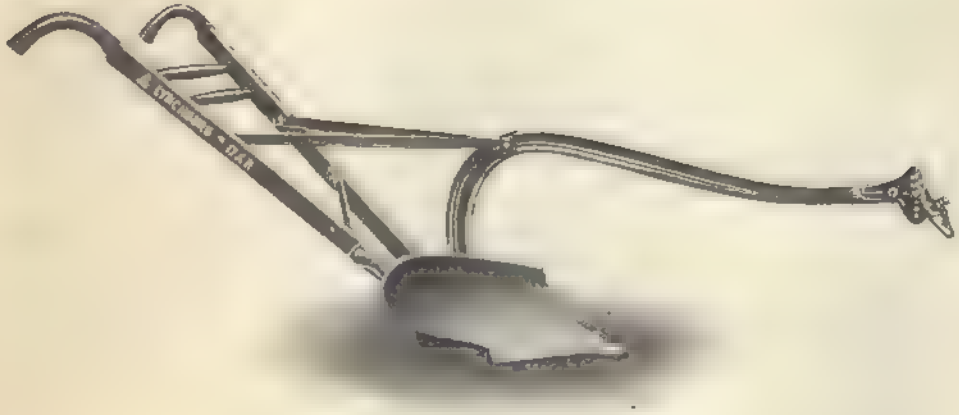


No. 9

A Southland favorite especially built for those desiring a very light two-horse plow. The sloping cutter share and the shape of the moldboard permits turning a wide deep furrow with very light draft.

Built with malleable unbreakable standard

No. 9—Right hand only; capacity 5x10; weight each 85 pounds.....Each **$12 50**

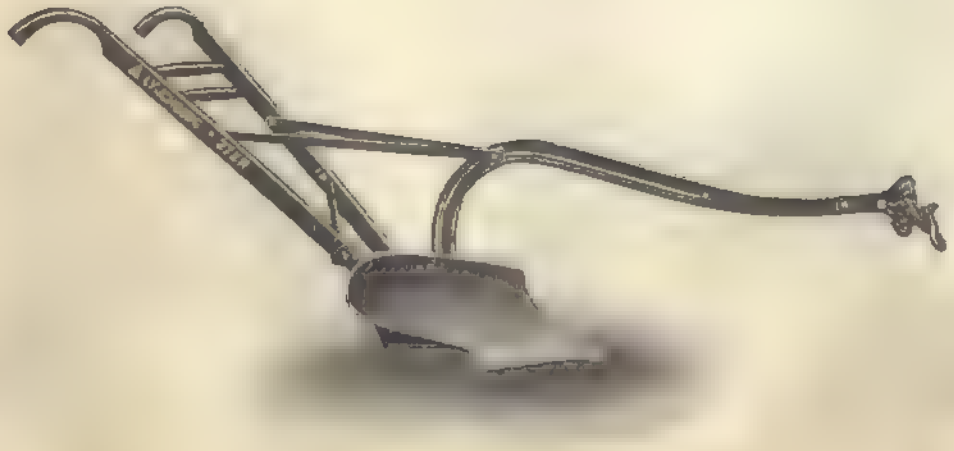


No. 17X

Light two-horse steel beam plow, with a long sloping landside and cutter share. Has all the good features of our large sizes, and is very popular as a light two-horse plow in the south.

Can be fitted with wheel and jointer, or rolling coulter, also with extension moldboard for terracing

No. 17X—For right and left hand; capacity 5½x11; weight each 95 pounds.... Each **$14.50**



No. 27X

Medium two-horse steel beam plow; sloping landside and cutter share, filling the place for which it was designed. One of our most popular patterns, between Nos. 17X and 37X in size; much in demand where light teams are used. Easily handled, very light draft. Can be fitted with wheel and jointer or rolling coulter; also with extension moldboard for terracing.

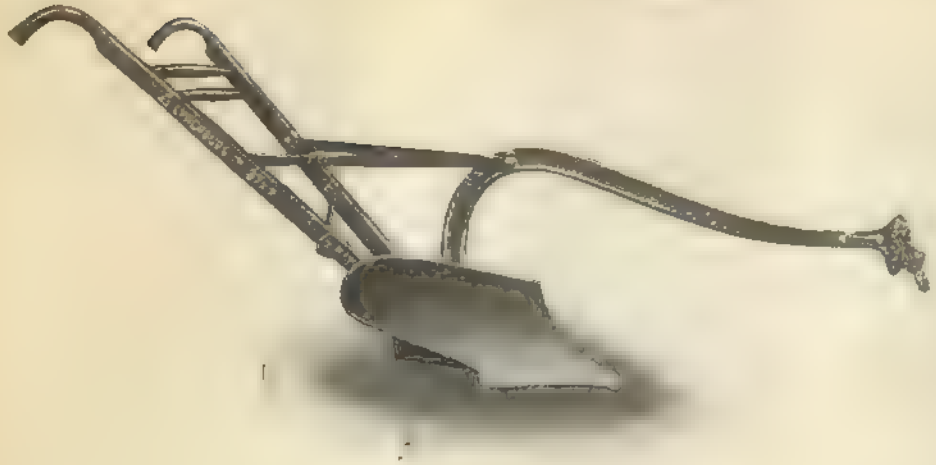
No. 27X—For right and left hand; capacity 8x11; weight each 105 pounds..... .....Each **$16.00**

LYNCHBURG CHILLED PLOWS

[illegible] the [illegible]-
[illegible] [illegible]

TRADE MARK L REG. U.S. PAT. OFF.

It guarantees Quality, Fit, Finish and Wear

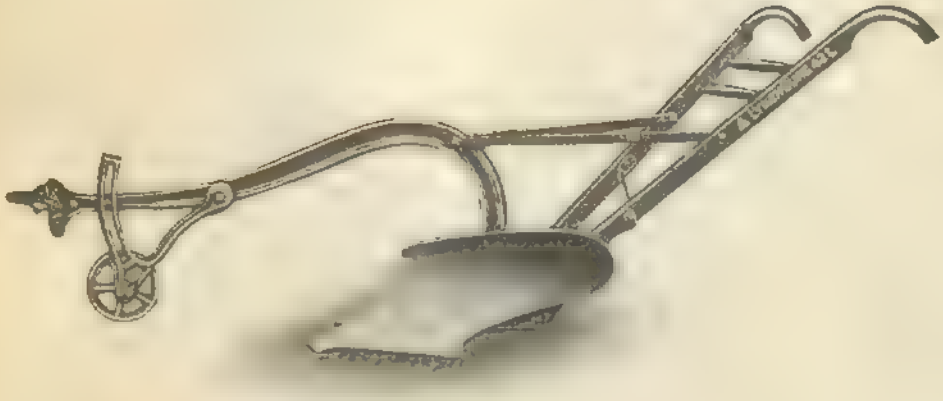


No. 37X

A general favorite two-horse steel beam plow, with sloping landside and cutter share. A popular pattern used by some of the most practical farmers desiring a size between the medium and heavy two-horse plow. It turns a wide deep furrow with very light draft.

Can be fitted with wheel and jointer or rolling coulter, also with extension moldboard for terracing.

No. 37X—Right and left hand; capacity, 6½x12; weight each 105 pounds..... Each **$18.00**



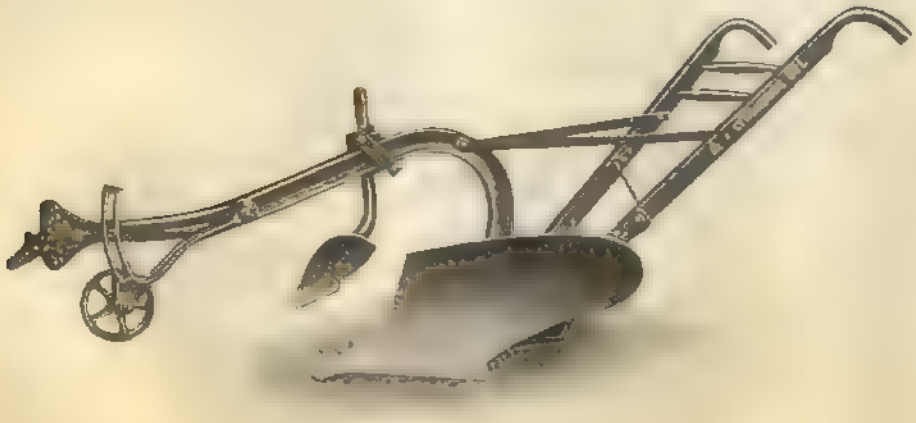
No. 42

Full size two-horse steel beam plow, modern construction with long sloping landside, properly curved moldboard and cutter share

This plow is adapted to a great variety of soils and its work is always to be relied upon

Can be fitted with wheel and jointer or rolling coulter, also, with extension moldboard for terracing.

No. 42—Right and left hand; capacity 7x13; weight each 130 pounds..**Each $19.00**



No. 52

Three-horse steel beam plow. Its large capacity, light draft and ease of handling insures excellent work in all soils and under the most trying conditions. The special "Lynchburg" bracing reduces the liability of breakage

Can be fitted with wheel and jointer (as shown) or with the rolling coulter. Also with extension moldboard for terracing.

No. 52—Right and left hand; capacity 9x16; weight each 150 pounds..**Each $21.00**

LYNCHBURG CHILLED PLOWS

All goods made by the Lynchburg Plow Works bear this mark

It guarantees Quality Fit, Finish and Wear

No. 5 Series Chilled Middle Breakers

No. 5 Series, Chilled Middle Breakers

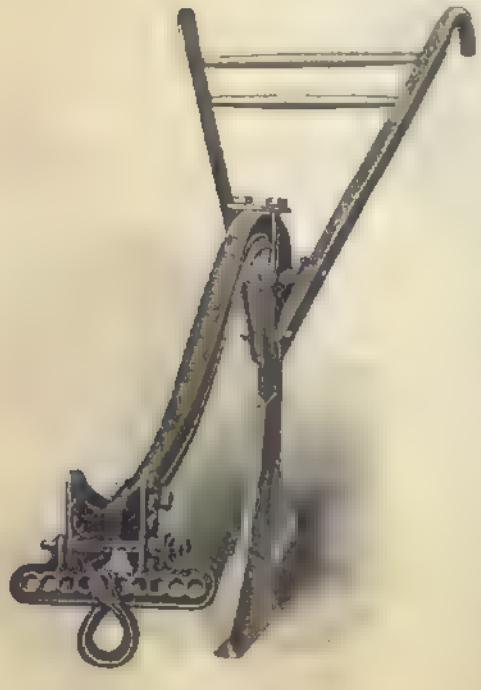
Strongly braced, well balanced and easy running plow, made with a malleable standard, and two-piece moldboard, preventing breakage and lowering the cost of replacement.

Fitted with adjustable rudder when so ordered, at extra charge of $0 50 each.

Dimensions

Nos.	25	35
Capacity cut, inches	8	10
Spread, inches	15	17
Weight, lbs.	70	80
Each	$13.50	14.00
Nos.	45	55
Capacity cut, inches	12	14
Spread, inches	18½	20
Weight, lbs.	105	155
Each	$16 50	18.00

Parts of Nos 25 and 35 are interchangeable parts of Nos. 45 and 55 also are interchangeable.



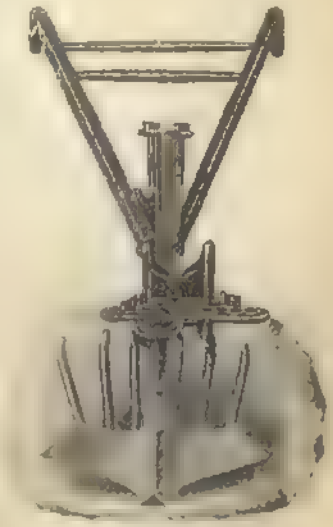
No. 80

No. 80

A medium weight steel beam subsoil plow of large capacity, designed especially for the Southern trade; easily handled with two horses. There is an unanimous opinion among best posted farmers as to the value of subsoiling all lands, particularly those with a stiff clay subsoil and sloping lands of light soil subject to washing The cost of the plow doing the work is small in comparison with the results obtained. The No. 80 is furnished with a wheel if wanted, and can be equipped with potato digger attachment, as shown to the right.

A well designed, thoroughly built plow that will give you satisfaction. It is fitted with a shim piece, taking all wear off the standard and giving a sharp cutting edge

No. 80—Furnished with points of two widths, 2¼ inch and 4 inch .....Each $13.00

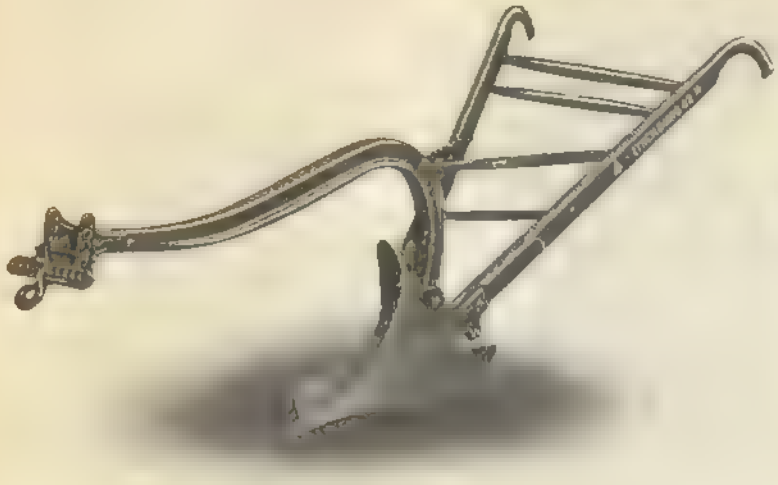


No. 80, with Potato Digger Attachment.

LYNCHBURG CHILLED PLOWS

All goods made by the Lynchburg Plow Work[illegible] bear this trade mark

It guarantees Quality, Fit, Finish and Wear

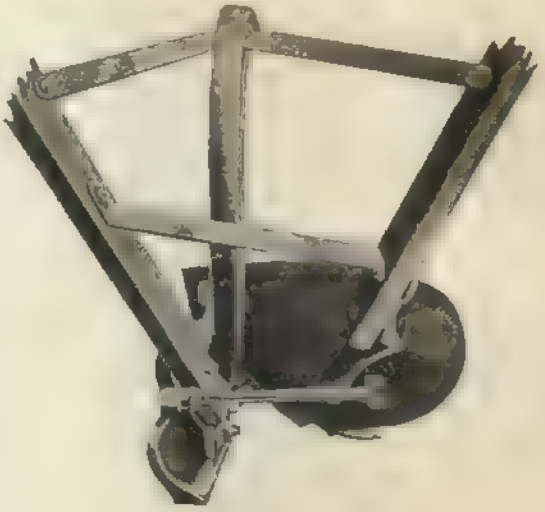


Landside View

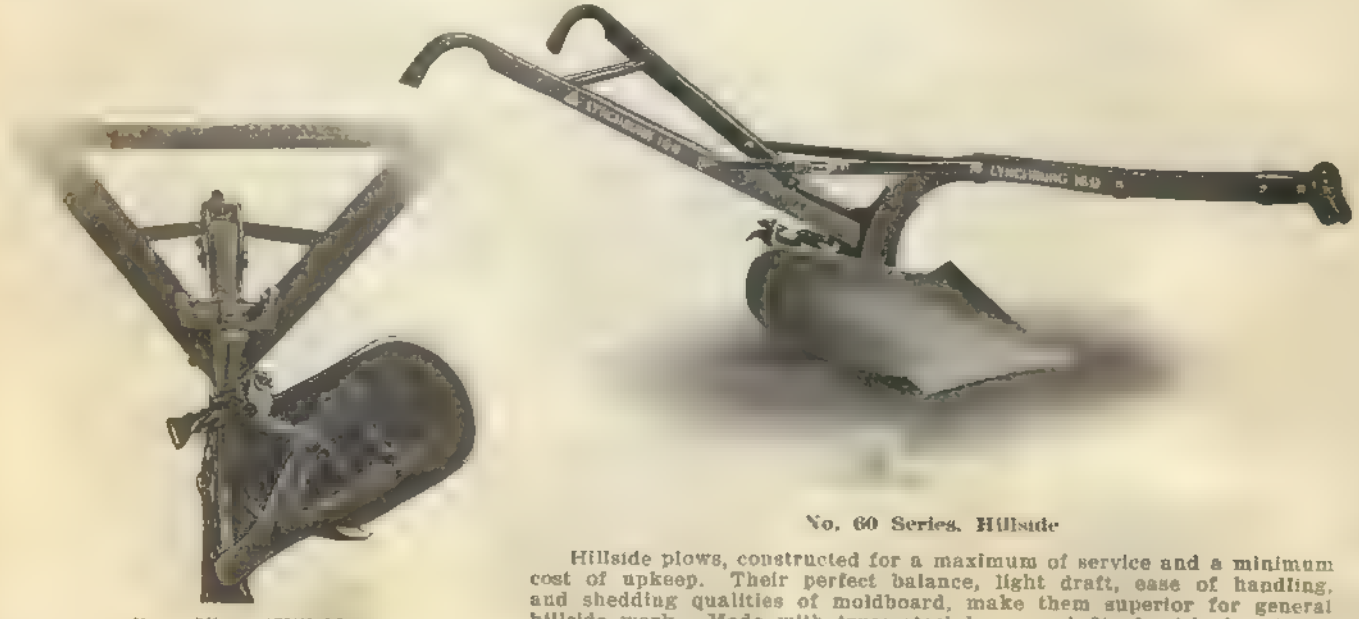
Landside view of the Lynchburg chilled plows, showing the long sloping landside, perfectly curved moldboard and cutter share

Moldboard Braces Direct to Standard

Examine the bracing of Lynchburg plows and see why they are the most rigid built. The moldboard is braced direct to the standard, giving greater strength and better clearance of trash. The moldboard handle is attached to malleable handle part fitted at factory, reducing possibility of moldboard breakage when tightening bolts.



Rear View (Level Land)



Rear View (Hillside)

Note the special handle bracing, truss steel beam and spring foot latch with adjustable tension. The detachable socket piece and the frog protect the moldboard from wear.

No. 60 Series, Hillside

Hillside plows, constructed for a maximum of service and a minimum cost of upkeep. Their perfect balance, light draft, ease of handling, and shedding qualities of moldboard, make them superior for general hillside work. Made with truss steel beam and fitted with detachable standard socket piece and spring foot latch

No. 60—One-horse; capacity 4½x8; weight 73 lbs ...Each **$13 50**
No. 160—Two-horse; capacity 6x10; weight 110 lbs ...Each **16 50**
No. 260—Two or three-horse [illegible] capacity 6½x13; weight 155 pounds ...Each **$20 00**

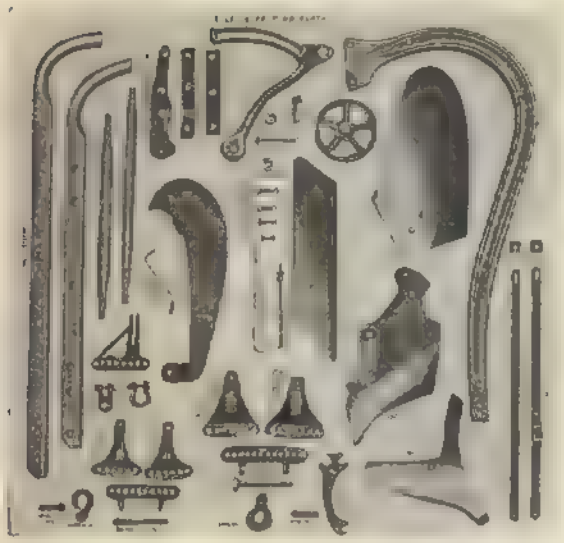
LYNCHBURG CHILLED PLOWS

All goods made by the Lynchburg Plow Works bear this mark.

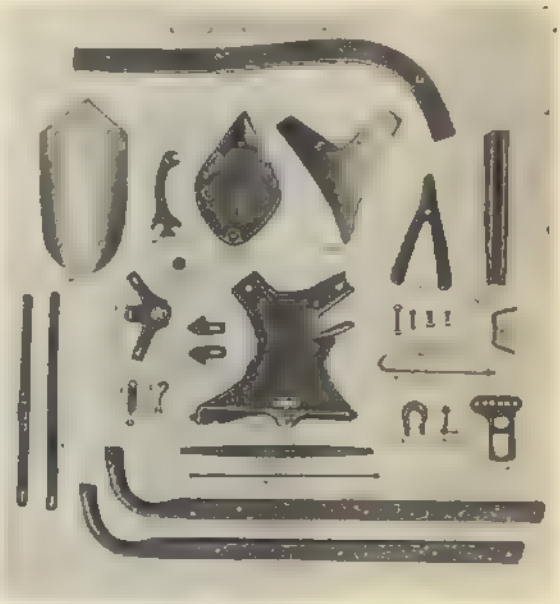
TRADE MARK L REGISTERED

It guarantees [illegible] Fit, Finish a[illegible]

LEVEL LAND PARTS



HILLSIDE PARTS



List of Bolts for Lynchburg Chilled Plows

	2	2x	7x	3X	6X	6Y	6K	9	17Z	27X	37X	42	52	35 55	45 55	25	55	80	100	300
Pt Bolt Sq. Hd Cok.	⅝x1¼	⅝x1¼	⅝x1¼	⅝x1¼	⅝x1¼	⅝x1¼	⅝x1¼	⅝x1¼	⅝x1¼	⅝x1¼	⅝x1¼	⅝x1¼	⅝x1¼	R & L ⅝x1¼	R & L ⅝x1¼	R & L ⅝x1¼	Mch. ⅝x1¼	R & L ⅝x1¼	R & L ⅝x1¼	R & L ⅝x1¼
Lds and Std. K. H.	⅝x1¼	⅝x1¼	⅝x1¼	⅝x1¼	⅝x1¼	⅝x1¼	⅝x1¼	⅝x1¼	⅝x1¼	⅝x1¼	⅝x1¼	⅝x1¼	⅝x1¼	⅝x1¼	⅝x1¼	⅝x1¼		Sq Hd ⅝x2¼	Sq Hd ⅝x2¼	Sq Hd ⅝x2¼
Mod Br and Mod K.H.	⅝x1¼	⅝x1¼	⅝x1¼											⅝x1¼	⅝x1¼					
Lds Std. and Mod Br K. H.	⅝x1¼	⅝x1¼	⅝x1¼											⅝x1¼	Mch ⅝x1¼					
Lds Std Bm Sq Hd Cvs				⅝x1¼	⅝x1¼	⅝x1¼	⅝x1¼	⅝x2	⅝x2	⅝x2	[illegible]	[illegible]	⅝x2¼							
Lwr Std and Bm Sq. Hd Cvk	[illegible]	[illegible]	KH [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	Mch ⅝x1¼	[illegible]	Mch x2¼		Mch ⅝x	Mch x	Mch x2¼
Lwr Std and Bm M.B	⅝x2¼	⅝x2¼	⅝x2¼	⅝x2	⅝x	⅝	⅝x	⅝x2	⅝x	⅝x2	[illegible]	[illegible]	⅝x2¼	⅝x2	⅝x2¼	⅝x2	⅝x1¼	⅝x	x	⅝x3
Lwr Mod and Std. K. H	⅝x1¼	⅝x1¼	⅝x1¼	⅝x1¼	⅝x1¼	⅝x1¼	⅝x1¼	⅝x1¼	⅝x1¼	⅝x1¼	⅝x1¼	⅝x1¼	⅝x1¼	⅝x1¼	⅝x1¼	⅝x2¼		Bolts for Hs. Moldboard and Prog		
[illegible]	[illegible]	[illegible]	⅝x1¼	[illegible]	[illegible]	[illegible]	[illegible]	⅝x1¼	⅝x1¼	⅝x1¼	⅝x1¼	⅝x1¼	⅝x1¼	⅝x1¼	[illegible]	[illegible]		⅝x1¼	⅝x1¼	⅝x1¼
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
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DOUBLE SHOVEL PLOWS

GENUINE BROWN

Made with Brown patent slot foot with reversible washer by means of which blades can be set or lowered on beam, giving greater wear to shovels, always keeping them properly set

Steel Beam, Improved

Patent adjustable handle braces. Clevis hook can be adjusted to any desired hitch. Extra heavy steel beams 1¾x¾ inch. Is adjustable as to width between blades

Adjustable slot foot for one-hole blade, made so a ⅝ heel bolt can be used for attaching any of the various plow shapes, made with ⅝ square hole, as well as the regular double shovel steels

No. 1—Weight 50 pounds.....Each **$8 50**

Wood Beam with Steel Shanks, Improved

Patent adjustable handle braces. Steel shanks 1¾x⅜ inch. Adjustable as to width between blades

No. 2—Weight 50 pounds.....Each **$8.50**

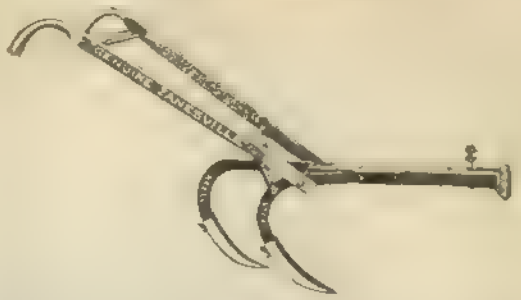
Wood Beam with Steel Shanks, Improved

The No. 2B is the same in every particular as the No. 2 except that it is made with a special curve in the beam and shovels for sections where the soil is most difficult to penetrate. It is very popular in middle and east Tennessee and northern Alabama.

No. 2B—Weight 50 pounds.....Each **$8 50**

DOUBLE SHOVEL PLOWS

GENUINE ZANESVILLE



Wood Beam

No. 11X—Steel shanks, size 1⅝x⅝ inch; painted red throughout; weight 50 pounds.....Each **$8 00**

No. 11XB—With special curved steel shanks, size 1⅝x⅜ inch; black land style; weight 50 lbs...Each **$8 00**

FAMOUS

Wood Beam

No. 23—Wood beam 1⅝x⅝; steel shanks with adjustable four-nut cross rod; beam painted red, shanks green; handles varnished and tipped red; weight 45 pounds Each **$8 00**

No. 23B—Wood beam 1⅝x⅝; steel shanks, adjustable four-nut cross rod; beam painted red, shanks painted green; handles varnished and tipped red; weight 46 pounds.....Each **8.00**

PLOW STOCKS

GENUINE BROWN

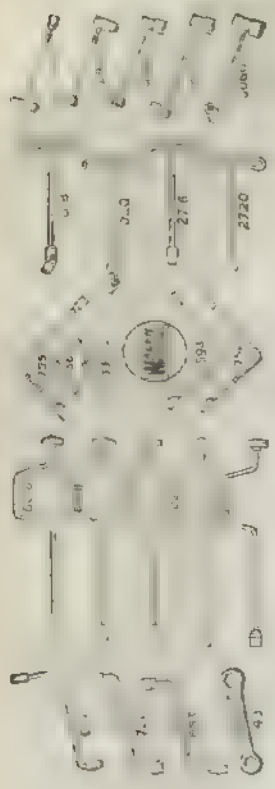
Universal

A very simple and durable stock; foot adjustable to give any pitch to the blade; any style blade can be used.

The beams and handles are made of well seasoned and carefully selected oak timber. The shanks are made of the best grade of steel. All stocks are full size with heavy shanks. The wood parts are varnished on the grain. The steel and iron parts are painted black.

No. 6—Beam 1¾x3½x3 feet 10 inches; steel foot 1¾x⅜ inches; weight 26 pounds.....Each **$4 50**

AUTOMOBILE WRENCH SETS



WALDEN WORCESTER GARAGE SERVICE SET

A selection of wrenches adapted for general work on any motor car.

These are special tools, designed after careful study of garage service, each serving a specific purpose and having qualities necessary for thoroughly good work.

Set consists of 23 wrenches, some with two or three socket sizes, make possible 38 different combinations.

Set consists of the following 23 wrenches:

1 only No. 1620 Cylinder head stud nut wrench.
1 only No. 2418 Tie rod ball nut wrench
1 only No. 392 Double end offset wrench.
1 only No. 762 Spindle pivot nut wrench.
1 only No. 5660 Front and rear spring bolt wrench.
1 only No. [illegible]8 Carburetor stud wrench
1 only No. [illegible]620 Generator support wrench.
1 only No. 2716 Long shank, Tee handle wrench for hexagon nuts.
1 only No. 2720 Cylinder cover cap screw wrench (cars with self-starters)
1 only No. 755 Front wheel hub bolt nut wrench.
1 only No. 756 Accessory sprocket cover screw wrench.
1 only No. 395 Rear wheel brake drum bolt nut wrench.
1 only No. 394 Upper to lower intake manifold bolt nut wrench.
1 only No. 752 Connecting rod cap bolt nut wrench.
1 only No. 6016 Chain case cover bearing housing stud nut wrench.
1 only No. 6018 Chain case cover, long screw wrench.
1 only No. 6020 Cylinder head wrench.
1 only No. 6022 Body bracket connecting bolt nut wrench.
1 only No. 6024 Motor support, front
1 only No. 651 Double end offset wrench.
1 only No. 751 Front wheel hub flange
1 only No. 655 Double end offset wrench
1 only No. 495 Double end box type wrench.

	Per Set
No. A-23—Complete as described	45 00
One set in case; wt per set 34 lbs.	*$23 00*

AUTOMOBILE WRENCH SETS

WALDEN WORCESTER, DISPLAY AND STOCK SETS

FOR FORD CARS

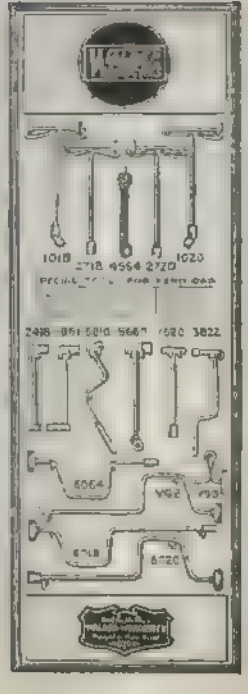
Every Ford Owner is Interested in this strictly Ford Wrench Set.

Hardwood display board, black finish; steel hooks are held by nuts and check nuts. Length 45 inches; width 12 inches. Set consists of 40 wrenches as follows:

5—No. 1420	5—No. 3620
5—No. 1620	5—No. 5660
5—No. 2418	5—No. 5810
5—No. 2718	5—No. 7018

No.	**A-40**
Per Set	69 00
List Price, Per Set	*$85 50*

One set in carton; ship wt per set 70 lbs.



For Ford Cars.

Display board has wood back, the front is of sheet metal handsomely lithographed in black and golden rod, the hooks are held by nut and check nut and there is no possibility of the board warping out of shape. An ornament to any store and a valuable sales producer.

Set consists of 80 wrenches as follows:

5—No. 1620	5—No. 6024
5—No. 5810	5—No. 6018
5—No. 2718	5—No. 6020
5—No. 2720	5—VG-2
5—No. 4564	5—VG-3
5—No. 2418	5—No. 5660
5—No. 1018	5—No. 1881
5—No. 1020	5—No. 3822

No.	**A-80**
Per Set	165 00
List Price, Per Set	*$85 00*

Wrenches packed in wood box; display board and hooks crated; wt 153 lbs.

AUTOMOBILE WRENCH SETS

WALDEN WORCESTER FOR CHEVROLET CARS

Hardwood display board, black finish; steel hooks for mounting wrenches. Length board 43 inches; width 12 inches. Set consists of 30 wrenches as follows:

5—No. 391 double end offset, length 8 inches, socket sizes ⅜ and ½ inch.

5—No. 394 double end L type 8x8 inches, socket sizes ¾ and ⅞ inch.

5—No. 395 double end L type 4x4 inches, socket sizes ½ and ⅝ inch.

5—No. 494 offset, length 5⅛ inches, socket size ½ inch.

5—No. 2418 double end offset, length 9 inches, socket sizes ⅜ inch hexagon and ⅜ inch square head.

5—No. 5660 triple socket offset, length 10½ inches, socket sizes ⅜, ⅞ and 11/16 inch.

	Per Set
No. A-39-A Complete as above described	**+50 01**
One set in wood box; weight 75 lbs	*$26 25*

FOR CHEVROLET CARS

Hardwood display board, black finish; steel hooks for mounting wrenches. Length board 72 inches; width 24 inches. Set consists of 65 wrenches as follows:

5—No. 391 double offset, length 8 inches, socket sizes ⅜ and ½ inch.

5—No. 394 double end L type, 8x8 inches, socket sizes, ¾ and ⅞ inch.

5—No. 395 double end L type 4x4 inches, socket sizes ½ and ⅝ inch.

5—No. 494 offset, length 5⅛ inches, socket size ½ inch.

5—No. 1020 universal joint tee handle, length 18¼ inches, socket size ⅝ inch.

5—No. 2418 double end offset, length 9 inches, socket sizes ⅜ inch hexagon and ⅜ inch square head.

5—No. 2716 long shank tee handle, length 12 inches, size socket ½ inch.

5—No. 2718 long shank tee handle, length 12 inches, size socket 9/16 inch.

5—No. 4234 heavy duty offset, length 24 inches, size socket 1 1/16 inch.

5—No. 5660 triple socket offset, length 10½ inches, socket sizes 15/16, ⅞ and 11/16 inch.

5—No. 6016 speed, length 19¼ inches, socket size ½ inch.

5—No. 6018 speed, length 19¼ inches, socket size ⅝ inch.

5—No. 6024 speed, length 19¼ inches, socket size ¾ inch.

	Per Set
No. A-39B—Complete as above described	**+132 00**
One set in wood box, weight 88 lbs.	*$66 75*

+F. O. B. Massachusetts Factory Only.

AUTOMOBILE WRENCH SETS

WALDEN WORCESTER, For Ford Cars.

Set consists of 5 wrenches as follows:

1—No. 1620-2 triple socket wrench, sizes ½ and ⅝ inch hexagon and 9/16 inch square.

1—No. 5660 triple socket offset wrench, sizes 15/16, ⅞ and 11/16 inch.

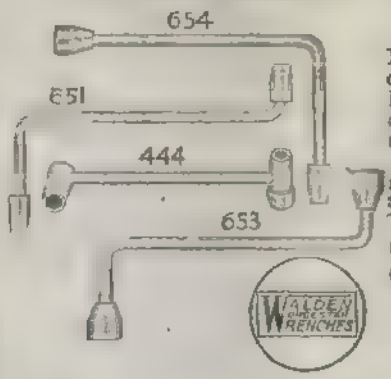
1—No. 2418 double socket offset wrench, sizes 9/16 and ¾ inch, handle 9 inches.

1—No. 4564-2 ratchet wrench, hexagon opening, sizes 11/16 and 15/16 inch.

1—No. 5810 connecting rod wrench.

	Per Set
No. A-57—Wt per set 8 lbs	**9 09**
One set in cardboard box.	*$4 55*

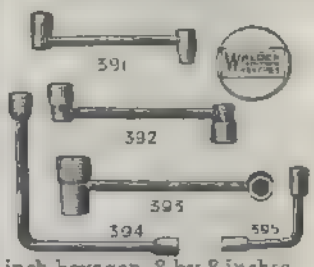
WALDEN WORCESTER, For Dodge Cars.



Consists of 4 wrenches No. 651 double socket offset 7/16 and 9/16 inch No. 653 double socket offset, ½ and ⅝ inch; No. 654 double socket "L", ½ and 11/16 inch; No. 444 triple socket, ½, 9/16 and ⅝ hexagon.

	Per Set
No. A-65—6 60	***$3 30***
One set in cardboard box; wt per set 7 lbs.	

WALDEN WORCESTER, For Chevrolet Cars.



Set consists of 5 wrenches:

1—No. 391 double socket wrench, socket sizes ⅝ and ½ inch hexagon, 8 inches long.

1—No. 392 double socket wrench, socket sizes ⅞ and 15/16 inch hexagon, 9¼ inches long.

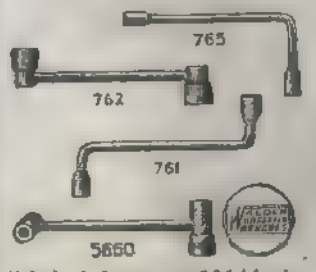
1—No. 393 socket wrench, socket sizes 15/16, 1 inch, 25/32 and ¾ inch hexagon, 10½ ins long.

1—No. 394 double socket wrench, socket sizes ¾ and ⅞ inch hexagon, 8 by 8 inches.

1—No. 395 double socket wrench, socket sizes ½ and 9/16 inch hexagon, 4 by 4 inches.

	Per Set
No. A-39—Wt per set 57½ lbs	**10 50**
One set in cardboard box.	*$5 25*

WALDEN-WORCESTER, For Overland Cars.



Set consists of 4 wrenches:

1—No 761 double socket wrench, socket sizes ¾ and ⅞ inch hexagon, 10½ inches long

1—No. 762 double socket wrench, socket sizes 1 1/16 and 1 inch hexagon, 10¾ in. long

1—No. 763 double socket wrench, socket sizes ½ and 9/16 inch hexagon, 9½ inches long.

1—No. 5660 triple socket wrench, socket sizes 15/16, ⅞ and 11/16 inch hexagon, 10½ inches long.

	Per Set
No. A-76—Wt per set 47½ lbs	**8 52**
One set in cardboard box.	*$4 25*

AUTOMOBILE WRENCH SETS

WALDEN WORCESTER, For Overland Cars.

Set consists of 4 wrenches:
1—No. 751 double socket wrench, sizes 5/16 and 25/32 in., 11¾ in. long.
1—No. 752 double socket L wrench, sizes 9/16 and 11/16 inch.
1—No. 755 double socket L wrench, sizes 5/8 and ¾ inch.
1—No. 756 double socket L wrench, sizes ½ and 7/16 inch.

Per Set
No. A-75—Wt per set 6½ lbs. 6 21
One set in cardboard box. *$8 10*

WALDEN WORCESTER, For Maxwell Cars.

Set consists of 6 wrenches:
1—No. 491 double socket wrench, socket sizes 9/16 and ¾ inch hexagon, 10 inches long.
1—No. 492 double socket wrench, socket sizes 11/16 and 15/16 in. hexagon, 10 in. long.
1—No. 493 double socket wrench, socket sizes 5/8 and 11/16 inch hexagon, 5½ inches long.
1—No. 494 single socket wrench, size ½ in. hex., 5½ in. long.
1—No. 495 flat ¼ inch thick box type socket wrench, socket sizes 1¼ and 1⅜ inch hexagon, 10 inches long.
1—No. 1622 socket wrench, socket sizes ½ and 5/8 inch hexagon and 9/16 inch square, 9 inches long.

Per Set
No. A-49—Wt per set 6 lbs. ..... +9 99
One set in cardboard box. *$5 00*

WALDEN WORCESTER, For Fordson Tractors.

Set consists of 9 wrenches:
1—No. 850 flat 9/16 inch thick box type socket wrench, socket size 15/16 in. hexagon, 5 in. long.
1—No. 851 special flat ¾ inch wrench, having a box type socket, size 1⅜ inch hexagon. Length over all 8½ inches.
1—No. 852 double socket wrench, socket sizes 7/16 and ½ in. hexagon, 6¼ by 6¼ inches.
1—No. 853 double socket wrench, socket sizes 9/16 inch square and ⅞ inch hexagon, 9 by 4¼ inches.
1—No. 854 single socket wrench, socket size ¾ inch hexagon, 15 inch shank and 8 inch handle.
1—No. 855A single socket wrench, socket size 1 1/16 inch and 9¾ inches long.
1—No. 855B hook, 9¾ inches long.
1—No. 856 double socket wrench, socket sizes ¾ and 5/8 inch.
1—No. 01516 single socket wrench, socket size 15/16 inch hexagon, 10 inches long.

Per Set
No. A-85—Wt per set 13½ lbs. 18 00
One set in wood box. *$9 00*

WALDEN WORCESTER

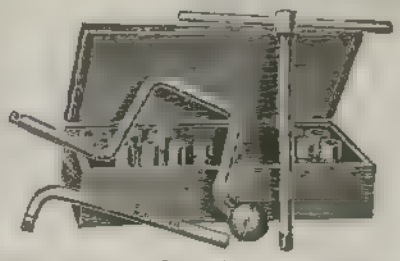
Sockets made of steel, hexagonal shape and heat treated, 6 inch steel round offset handle. An interchangeable socket set designed especially for individual car owners use.
Set consists of: 1—6 inch offset handle 12—Hexagonal sockets, sizes ½, 9/16, 5/8, 11/16, ¾ and ⅞ inches.

Per Set
No. A-300—Wt per set 1¾ lbs. $1 50
One set in cardboard box

+F. O. B. Massachusetts Factory Only.

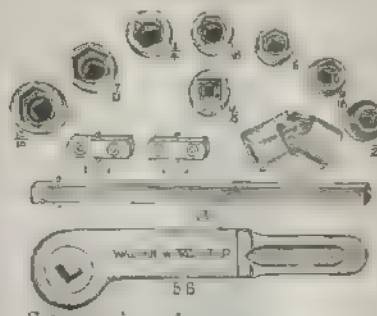
AUTOMOBILE WRENCH SETS

WALDEN WORCESTER



Handles made from extra heavy stock of approved shapes and suitable for hard service; sockets made from high grade steel and heat treated; hardwood box, mohogany finish; designed for convenience and durability. A heavy duty set in every respect, brought out principally, for the garage repair man and general mechanic.
Set consists of:
1—No. 1125 Offset handle.
1—No. 1143 Combination tee handle and extension bar.
1—No. 1163 Brace wrench.
12—Hexagonal sockets, sizes 7/16, ½, 9/16, 5/8, 11/16, ¾, ⅞ and 15/16 inches.

Per Set
No. A-25—Size box 16¼x7½x3½ ins. 24 00
One set in cardboard box; wt per set 14 lbs. *$12 00*



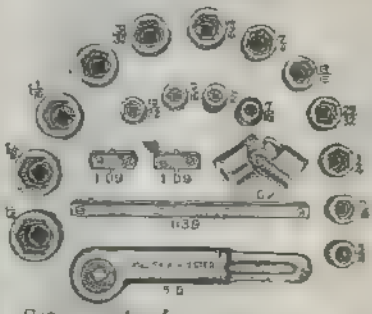
COMBINATION SOCKETS

Sockets are steel, machine turned from the bar and broached accurately to size.
Inside depth of socket ½ inch more than thickness of the nut. All parts are machine finished to size.

Sets consists of:
1—No. 516-9 inch ratchet wrench.
1—No. 1139-9 inch extension bar.
1—No. 1102 Universal joint.
2—No. 1109 plug connections.
7 hexagonal sockets, sizes ½, 9/16, 5/8, 11/16, ¾, ⅞ and 15/16 in.
1 square socket, size 9/16 inch.
Selected to fit Ford cars. Size box 10 7/16x4x2 5/8 inches

Per Set
No. A-8—Wt per set 7 lbs. ..... +20 01
One set in wood box. *$10 00*

WALDEN WORCESTER



Sockets are made of steel, machine turned and broached accurately to size. Inside depth of socket is ½ inch more than thickness of the nut.
All parts are machine finished to size.

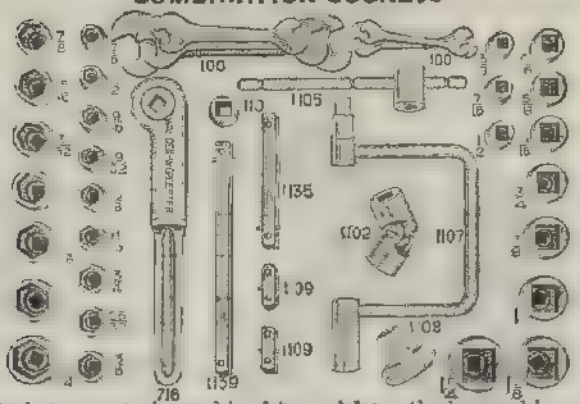
Set consists of:
1—No. 516-9 inch ratchet wrench.
1—No. 1139-9 inch extension bar.
1—No. 1102 Universal joint.
16 hexagonal sockets, sizes 7/16, ½, 9/16, 11/32, 5/8, 11/16, ¾, 25/32, 13/16, ⅞, 15/16, 31/32, 1, 1 1/16, 1⅛ and 1¼ inch.
Covers all the various bolt and nut standards. Size box 12x5¼x2⅝ inches.

Per Set
No. A-16—Wt per set 11 lbs. ..... +29 01
One set in wood box. *$14 50*

+ F. O. B. Massachusetts Factory Only.

AUTOMOBILE WRENCH SETS

WALDEN WORCESTER COMBINATION SOCKETS



Sockets are steel, machined turned from the bar and broached accurately to size. Inside depth of socket ½ inch more than thickness of nut. All parts are machine finished to size.

Set consists of:

1 No. 716-12 inch ratchet wrench.
1 —No. 1135-5 inch extension bar.
1 No. 1139-9 inch extension bar.
1 No. 1104 combination "T" and offset wrench.
1 No. 1102 Universal joint.
1—No. 1178 brace socket wrench.
2 No. 1109 plug connectors.
2 —No. 1110 socket connectors.
16 hexagonal sockets, sizes 7/16, ½, 9/16, 5/8, 11/16, ¾, 13/16, 15/16, 7/8, 15/16, 31/32, 1, 1 1/16, 1 1/8 and 1 1/4 inches.
11 square sockets, sizes 5/8, 11/16, ½, 9/16, 5/8, 11/16, ¾, 7/8, 1, 1 1/8 and 1 1/4 inches.
1— No 100 set, 5 open end wrenches.
Size box 16x10x2 7/8 inches.

	Per Set
No. A-27—Wt per set 25 lbs	54 00
One set in wood box.	*$27 00*

COMBINATION WRENCH PARTS AND SOCKETS

WALDEN WORCESTER

Consists of sockets, wrenches, etc., as included in Walden Worcester assortments.

	1 to 4 Each	5 to 9 Each	10 or more Each	List Price
No. A-214—7/16 inch Hex Socket	90	81	72	*$0 40*
No. A-216—½ inch Hex Socket	90	81	72	*40*
No. A-218—9/16 in. Hex Socket	90	81	72	*40*
No. A-219—19/32 in. Hex Socket	90	81	72	*40*
No. A-220—5/8 in. Hex Socket	90	81	72	*40*
No. A-222—11/16 in. Hex Socket	90	81	72	*40*
No. A-224—¾ in. Hex Socket	96	90	81	*45*
No. A-225—25/32 in. Hex Socket	96	90	81	*45*
No. A-226—13/16 in. Hex Socket	1 11	99	90	*50*
No. A-228—7/8 in Hex Socket	1 11	99	90	*50*
No. A-230—15/16 in. Hex Socket	1 11	99	90	*50*
No. A-231—31/32 in. Hex Socket	1 35	1 20	1 08	*60*
No. A-232—1 in. Hex Socket	1 35	1 20	1 08	*60*
No. A-236—1 1/16 Hex Socket	1 47	1 32	1 17	*65*
No. A-240—1¼ in. Hex Socket	1 47	1 32	1 17	*65*
No. A-1102—Universal Joints	4 05	3 60	3 24	*1 80*
No. A-1135—Extension Bar	1 11	99	90	*50*
No. A-1104—Com. Tee and Off-set Wrench	2 46	2 19	1 98	*1 10*
No. A-1105—Com Tee and Off-set Handle	1 35	1 20	1 08	*60*
No. A-1109—Plug Connector	81	72	63	*35*
No. A-1110—Socket Connector	81	72	63	*35*
No. A-1107—Brace Sock Wrench	2 70	2 40	2 16	*1 20*
No. A-1108—Brace Top	1 35	1 20	1 08	*60*

Packed loose.

AUTOMOBILE WRENCH SETS

WALDEN WORCESTER

Double End.

Thin stamped wrenches are most useful in many places. Special steel used to give strength and wearing qualities.

Set consists of 5 wrenches as follows:

One each with ¼ & 5/16 in.; 3/8 & 7/16 in. ½ & 9/16 in. 5/8 & ¾ in. & 7/8 1 in. openings.

	Per Set
No. A-100—Wt per set 1½ lbs	3 00
One set in cardboard box.	*$1 50*

AUTOMOBILE WRENCHES

WALDEN WORCESTER, WHEEL ASSEMBLY WRENCH

For Ford Cars.

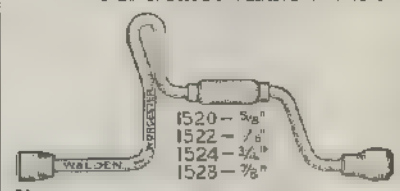
Made of 9/16 inch steel; 12 inch sweep; double end brace; swivel handles on each end adjoining socket; each socket having two broached openings to take four parts, front hub cone and axle nut, hub cap and rear axle nut. Length over all 18½ inches.

No.	1490
1 to 4, Each	6 75
5 to 9, Each	6 00
10 or more, Each	5 40
List Price, Each	*$3 00*

Two in carton; wt each 8½ lbs.

WALDEN WORCESTER, BRACE SOCKET RIM

For Demountable Rims and Disc Wheels.

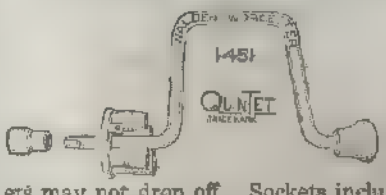


Steel sockets are machined turned and broached accurately to size. It combines advantages of offset and speed wrenches.

Nos.	1520	1522	1524	1528
Size, in	5/8	11/16	¾	7/8
Wt each, lbs	2 1/8	2 1/4	2 3/8	2 1/4
1 to 4, Each	2 46	2 46	2 46	2 46
5 to 9, Each	2 19	2 19	2 19	2 19
10 or more, Each	1 98	1 98	1 98	1 98
List Price, Each	*$1 10*	*1 10*	*1 10*	*1 10*

Five in cardboard box.

WALDEN WORCESTER, QUINTET TIRE AND RIM SERVICE



A very substantial brace, made of 5/8 inch steel, 12 inch sweep. On shank of brace is a holder for five interchangeable sockets which are held by ball friction so that sockets may not drop off. Sockets include all standard sizes, any socket may be replaced from regular stock. The longer shank on brace provides ample clearance for all standard tires and rims. Socket sizes 5/8, 11/16, ¾, 13/16 and 7/8 inch.

No.	A-1451
1 to 4, Each	7 86
5 to 9, Each	6 99
10 or more, Each	6 30
List Price, Each	*$8 50*

Two in carton; wt each 2¾ lbs.

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AUTOMOBILE WRENCHES

WALDEN WORCESTER, BRACE SOCKET SPEED

For Hexagon Nut.

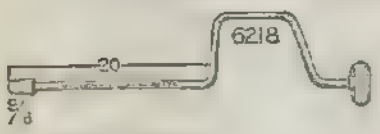
Long shank braces; 11¼ in. shank; length over all 19¹₁₆ ins; 9 in. sweep. Used in combination with other socket wrenches for spinning nuts on and off.

Nos.	A-6014	A-6016	A-6018	A-6019	A-6020
Size, ins	7/16	1/2	9/16	19/32	5/8
Wt each, lbs	1¾	1⅞	1⅞	1½	1½
1 to 4, Each	2 13	2 13	2 13	2 13	2 13
5 to 9, Each	1 89	1 89	1 89	1 89	1 89
10 or more, Each	1 71	1 71	1 71	1 71	1 71
List Price, Each	*$0 95*	*95*	*95*	*95*	*95*

Nos.	A-6022	A-6024	A-6025	A-6026	A-6028
Size, ins	11/16	¾	13/16	⅞	15/16
Wt each, lbs	1⅞	1¾	1¾	1¾	1¾
1 to 4, Each	2 13	2 13	2 13	2 13	2 13
5 to 9, Each	1 89	1 89	1 89	1 89	1 89
10 or more, Each	1 71	1 71	1 71	1 71	1 71
List Price, Each	*$0 95*	*95*	*95*	*95*	*95*

Five in cardboard box.

WALDEN WORCESTER, BRACE SOCKET SPEED



Long shank; socket size 9/16 inch; length shank 20 inches; length over all 28 inches. Used on front fender iron bolt and radiator stud nut.

No.	A-6218
1 to 4, Each	2 70
5 to 9, Each	2 40
10 or more, Each	2 16
List Price, Each	*$1 20*

Five in cardboard box; wt each 1¾ lbs.

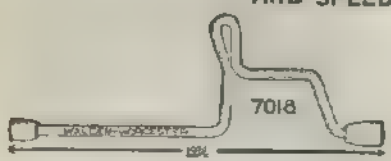
WALDEN WORCESTER, BRACE SOCKET SPEED

Short shank; socket size ½ inch hexagon; 5 inch shank; length over all 13⅜ inches. Will fit crank case, lower coverscrew; differential drive gear case; muffler rod nut; rear axle housing, bolt and nut; steering tube flange, bolt and nut.

No.	A-6064
1 to 4, Each	1 92
5 to 9, Each	1 71
10 or more, Each	1 53
List Price, Each	*$0 85*

Five in cardboard box; wt each 1 lb.

WALDEN WORCESTER, DOUBLE POWER AND SPEED



Long shank; socket size 9/16 inch; length over all 19¾ inches.

No.	A-7018
1 to 4, Each	2 25
5 to 9, Each	2 04
10 or more, Each	1 80
List, Each	*$1 00*

Packed loose; wt each 2¾ lbs.

AUTOMOBILE WRENCHES

WALDEN WORCESTER, NUT AND BOLT SPEED

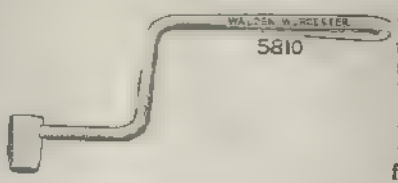
Socket sizes 5/16 inch hexagon; length over all 20⅝ inches. Fits ball socket, crank case arm, steering post bracket, steering yoke clamp and transmission cover bolts and nuts.

No.	A-6318
1 to 4, Each	6 75
5 to 9, Each	6 00
10 or more, Each	5 40
List Price, Each	*$5 00*

Five in cardboard box; wt each 1¾ lbs.

WALDEN WORCESTER, CONNECTING ROD

For Hexagon Nut.



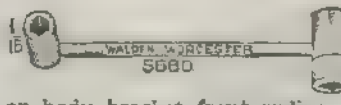
Steel socket; machine turned from solid bar; socket fastened to handle so that it will not turn nor loosen. Will fit all connecting rods, including fourth connection, without removing engine from car.

No.	A-5810
1 to 4, Each	1 35
5 to 9, Each	1 20
10 or more, Each	1 08
List Price, Each	*$0 60*

Packed five in box; wt each 1 lb.

WALDEN WORCESTER, TRIPLE SOCKET, OFFSET

For Hexagon Nut.



Designed for heavy work; length over all 10½ inches; socket sizes 9/16, ⅝ and 11/16 inches. Used on body bracket, front radius rod, front spring perch, front spring hanger, radius rod, rear hub nut, rear spring clip, rear spring hanger, rear wheel to brake drum, spindle bolt, spindle connecting rod; brake support of truck, rear axle housing split, rear spring hanger.

No.	A-5660
1 to 4, Each	2 91
5 to 9, Each	2 58
10 or more, Each	2 34
List Price, Each	*$1 30*

Five in cardboard box; wt each 1 lb.

WALDEN WORCESTER, TRIPLE SOCKET

For Hexagon Nut.

Triple socket, designed for use on cylinder head bolts. Rear axle housing nuts, water intake and outlet cap screws, rear axle nuts, crank case (lower cover), differential drive gear cap screws and controller shaft bracket nuts.

Sizes ⅝ and ½ inch hexagon.

No.	A-1620
1 to 4, Each	1 68
5 to 9, Each	1 50
10 or more, Each	1 35
List Price, Each	*$0 75*

Five in cardboard box; wt each 1 lb.

AUTOMOBILE WRENCHES

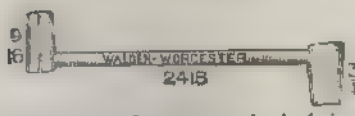
WALDEN WORCESTER, TRIPLE SOCKET, OFFSET

Socket sizes ⅜ and ⅝ inch hexagon; 5/16 inch square; length over all 9 inches. Recommended for use on Maxwell Car, on front axle, front axle spring clips; rear axle, rear axle housing, front and rear axle spring clips; motor unit, fan adjustment and fly-wheel housing, steering assembly, steering post coupling; body frame, fender to frame, head lamp brackets and muffler support.

No.	A-1622
1 to 4, Each	2 01
5 to 9, Each	1 80
10 or more, Each	1 62
List Price, Each	$0 90

Five in cardboard box; wt each 1¼ lbs.

WALDEN WORCESTER, DOUBLE SOCKET, OFFSET
For Hexagon Nut.

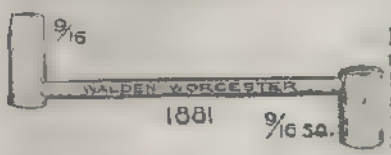


Socket sizes 9/16 and ¾ inch; length over all 9 inches. Fits brake reverse support, clutch pedal support, crank case arm bolts and nuts; crank shaft bearing bolts and nuts; differential case stud nut; fan bracket; front fender iron bolt and nut; front spring clip nut; inlet and exhaust clamp stud and nut; spindle bolt nut; steering post bracket and yoke clamp, universal ball cap, bolts, nuts and screws.

No.	A-2418
1 to 4, Each	2 01
5 to 9, Each	1 80
10 or more, Each	1 62
List Price, Each	$0 90

Five in cardboard box; wt each 1 lb.

WALDEN WORCESTER, DOUBLE SOCKET, OFFSET

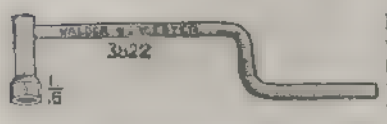


Socket sizes ½ inch hexagon and ½ inch square; length over all 9 inches. Fits crank shaft, bolt and nut; piston pin, locking screw; running board, bolt nut.

No.	A-1881
1 to 4, Each	2 70
5 to 9, Each	2 40
10 or more, Each	2 16
List Price, Each	$1 20

Five in cardboard box; wt each 1 lb.

WALDEN WORCESTER, SINGLE SOCKET



Socket size 11/16 inch hexagon. Used on fly-wheel cap screws, heretofore considered an impossible place for a socket wrench.

No.	A-3822
1 to 4, Each	1 56
5 to 9, Each	1 38
10 or more, Each	1 26
List Price, Each	$0 70

Five in cardboard box; wt each ¾ lb.

AUTOMOBILE WRENCHES

WALDEN WORCESTER, SHORT SHANK, TEE HANDLE
For Hexagon Nut.

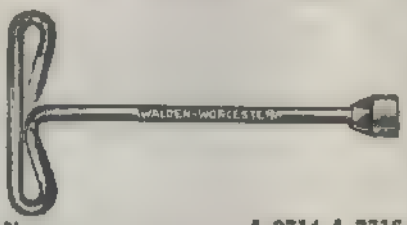
Steel socket, machined turned from solid bar; 6 inch handle and 6 inch shank; made from strong wire; socket so fastened to handle that it will not turn or loosen.

Nos.	A-2614	A-2616	A-2618	A-2619
Size, ins	7/16	½	9/16	11/16
Wt each, lbs	¾	⅞	1	1⅛
1 to 4, Each	1 35	1 35	1 35	1 35
5 to 9, Each	1 20	1 20	1 20	1 20
10 or more, Each	1 11	1 11	1 11	1 11
List Price, Each	$0 60	60	60	60

Nos.	A-2620	A-2622	A-2624	A-2625
Size, ins	⅝	13/16	¾	15/16
Wt each, lbs	1	1	1	1
1 to 4, Each	1 35	1 35	1 35	1 35
5 to 9, Each	1 20	1 20	1 20	1 20
10 or more, Each	1 11	1 11	1 11	1 11
List Price, Each	$0 60	60	60	60

Five in cardboard box.

WALDEN WORCESTER, LONG SHANK, TEE HANDLE
For Hexagon Nut.



Steel socket, machine turned from solid bar; 6 inch handle and 12 inch shank; made from strong wire; socket so fastened to handle that it will not turn or loosen.

Nos.	A-2714	A-2716	A-2718	A-2719	A-2720
Size, ins	7/16	½	9/16	11/16	⅝
Wt each, lbs	1½	1½	1½	1½	1½
1 to 4, Each	1 47	1 47	1 47	1 47	1 47
5 to 9, Each	1 26	1 26	1 26	1 26	1 26
10 or more, Each	1 17	1 17	1 17	1 17	1 17
List Price, Each	$0 65	65	65	65	65

Nos.	A-2722	A-2724	A-2725	A-2726	A-2728
Size, ins	11/16	¾	13/16	15/16	⅞
Wt each, lbs	1½	1½	1½	1½	1½
1 to 4, Each	1 47	1 47	1 47	1 47	1 47
5 to 9, Each	1 26	1 26	1 26	1 26	1 26
10 or more, Each	1 17	1 17	1 17	1 17	1 17
List Price, Each	$0 65	65	65	65	65

Five in cardboard box.

WALDEN WORCESTER, UNIVERSAL JOINT TEE HANDLE
For Hexagon Nut.

Universal joints and sockets have been used in combination with wrenches and are now complete in one solid tool. Will reach nuts otherwise inaccessible. Length over all 13¼ inches.

Nos.	A-1016	A-1018	A-1020	A-1024
Size, ins	½	9/16	⅝	¾
Wt each, lbs	1	1⅛	1¼	1⅝
1 to 4, Each	5 61	5 61	5 61	5 61
5 to 9, Each	4 98	4 98	4 98	4 98
10 or more, Each	4 50	4 50	4 50	4 50
List Price, Each	$2 50	2 50	2 50	2 50

Five in cardboard box.

AUTOMOBILE WRENCHES

WALDEN WORCESTER, SINGLE SOCKET, OFFSET
For Hexagon Nut.

Steel socket, machined turned from solid bar; 7 inch handle; made from strong wire; socket so fastened to handle that it will not turn or loosen.

Nos.	A-2514	A-2516	A-2518	A-2519	A-2520
Size, ins	7/16	1/2	9/16	11/16	5/8
Wt each, lbs	1/2	1/2	5/8	5/8	5/8
1 to 4, Each	1 23	1 23	1 23	1 23	1 23
5 to 9, Each	1 11	1 11	1 11	1 11	1 11
10 or more, Each	99	99	99	99	99
List Price, Each	$0 55	55	55	55	55

Nos.	A-2522	A-2524	A-2525	A-2526	A-2528
Size, ins	13/16	3/4	29/32	15/16	7/8
Wt each, lbs	5/8	3/4	3/4	5/4	3/4
1 to 4, Each	1 23	1 23	1 23	1 23	1 23
5 to 9, Each	1 11	1 11	1 11	1 11	1 11
10 or more, Each	99	99	99	99	99
List Price, Each	$0 55	55	55	55	55

Five in cardboard box.

WALDEN-WORCESTER CYLINDER HEAD AND SPARK PLUG WRENCH

Pressed steel, case hardened; two sizes in one: 15/16 inch hexagon designed to fit spark plugs, 5/8 inch designed for all cylinder head cap screws. Length over all 11 inches.

No.	A-3620
1 to 4, Each	1 80
5 to 9, Each	1 59
10 or more, Each	1 44
List Price, Each	$0 80

Packed loose; wt each 1 lb.

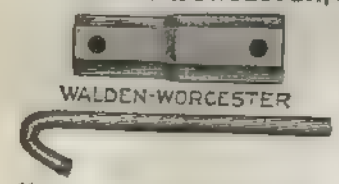
RATCHET WRENCH

One end has 11/16 inch hexagon opening. For use on the Ford brake and reverse transmission bands; other end has 13/16 inch opening for use on slow speed connecting lock nut, also Champion Spark Plugs. Length 6 1/2 inches.

No.	A-4564
1 to 4, Each	2 25
5 to 9, Each	2 01
10 or more, Each	1 80
List Price, Each	$1 00

Five in cardboard box.

WALDEN-WORCESTER, SPARK PLUG WRENCH

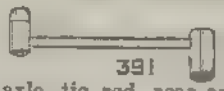


Pressed steel, case-hardened; two sizes in one. 1/64 inch over size of spark plug, which prevents stretching and gives better outside clearance where plugs set in port plugs or deep in block. Length 4 inches.

Nos.	A-2931	A-2933	A-2937	A-3137
Size openings, ins	7/8&13/16	7/8&1	7/8&1 1/4	13/16&1 1/8
1 to 4, Each	1 02	1 02	1 02	1 02
5 to 9, Each	90	90	90	90
10 or more, Each	81	81	81	81
List Price, Each	$0 45	45	45	45

Packed loose; wt each 3/4 lb.

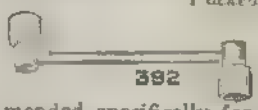
AUTOMOBILE WRENCHES
WALDEN-WORCESTER, DOUBLE END OFFSET



Socket sizes 5/8 and 1/2 inch; length over all 8 inches. Designed for use on Chevrolet cars, model 490; useful on front axle, tie rod, rear axle, housing split, motor, water cylinder inlet and outlet connections. Model BH, use on front axle, tie rod, clevis, motor, water cylinder inlet and outlet connections, fly-wheel housing, oil pump support and transmission support.

No.	A-391
1 to 4, Each	1 80
5 to 9, Each	1 59
10 or more, Each	1 44
List Price, Each	$0 80

Packed loose; wt each 3/4 lb.



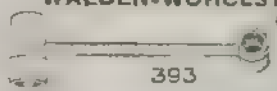
WALDEN-WORCESTER DOUBLE END OFFSET

Socket sizes 7/8 and 11/16 inches; length over all 9 1/4 inches. Recommended specifically for use on Buick, Chandler, Chevrolet, Essex, G. M. C., Hudson, Oldsmobile, Republic, Scripps-Booth Stewart and Stutz cars.

No.	A-392
1 to 4, Each	2 46
5 to 9, Each	2 19
10 or more, Each	1 98
List Price, Each	$1 10

Packed loose; wt each 1 1/4 lbs

WALDEN-WORCESTER, QUADRUPLE SOCKET OFFSET



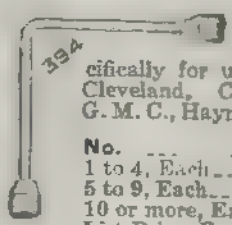
Socket sizes 15/16, 1 1/16, 13/16 and 3/4 inch; length over all 10 1/2 ins. Chevrolet model 490, useful on hub nuts, front and rear, spindle pivot and nut, steering arm.

Chevrolet model B. H., use on front axle, hub nuts, spindle pivot nut, rear spring shackles, steering arm, tie rod and frame bracket center bolt, rear axle, spring clips and hub nuts.

No.	A-393
1 to 4, Each	4 05
5 to 9, Each	3 60
10 or more, Each	3 24
List Price, Each	$1 80

Packed loose; wt each 2 1/4 lbs.

WALDEN-WORCESTER, L TYPE

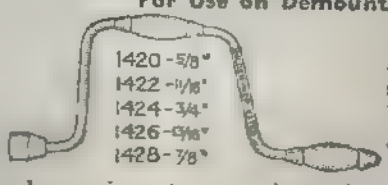


Socket sizes 3/4 and 7/8 inches; L type 8x8 inches. Recommended specifically for use on Cadillac, Chandler, Chevrolet, Cleveland, Commerce, Dodge, Federal, Franklin, G. M. C., Haynes, Selden, Studebaker and Stutz cars.

No.	A-394
1 to 4, Each	1 92
5 to 9, Each	1 68
10 or more, Each	1 53
List Price, Each	$0 85

Packed loose; wt each 1 1/4 lbs

WALDEN WORCESTER, BRACE SOCKET
For Use on Demountable Rims.



Steel sockets are machine turned and broached accurately to size and so fastened to the wire that they cannot turn (no pins to shear off). The swivel handles are pressed steel. There is only one size nut on any rim so that this solid handle tool fills all requirements.

No.	A-1420
Size, ins	5/8
Wt each, lbs	1 1/4
1 to 4, Each	2 46
5 to 9, Each	2 13
10 or more, Each	1 98
List Price, Each	$1 10

Five in cardboard box

AUTOMOBILE WRENCHES

WALDEN WORCESTER, BRACE RIM, TAXICAB AND FLEET SERVICE

For Deep Socket, Disteel Wheels.

Steel socket; turned from ½ inch solid bar; socket fastened to handle so it will not turn or loosen. Length over all 16 inches.

Nos.	A-1720	A-1722	A-1724	A-1728
Size socket, ins	⅝	11/16	¾	⅞
1 to 4, Each	1 11	1 11	1 11	1 11
5 to 9, Each	99	99	99	99
10 or more, Each	90	90	90	90
List, Each	$0 50	50	50	50

Packed loose; wt each 17 ozs.

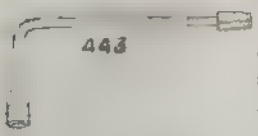
WALDEN-WORCESTER, L TYPE

Socket sizes ½ and 9/16 inches; L type 4x4 inches. Recommended specifically for use on Cadillac, Chalmers, Chandler, Chevrolet, Cleveland, Cole, Commerce, Dodge, Dort, Essex, Federal, Franklin, G. M. C., Grant, Haynes, Hudson, Hupmobile, International, Jordan, Lincoln, Mack, Marmon, Maxwell, Mitchell, Nash, Oldsmobile, Paige, Peerless, Pierce-Arrow, Reo, Republic, Scripps Booth, Selden, Stewart, Studebaker, Stutz, White, Wills St. Claire and Winton.

No.	A-395
1 to 4, Each	1 56
5 to 9, Each	1 38
10 or more, Each	1 26
List Price, Each	$0 70

Packed loose; wt each ½ lb.

WALDEN-WORCESTER, L TYPE



Socket sizes ⅝ and ½ inches; L type 9½x4½ inches. Recommended specifically for 6 cylinder cars with removable crank case, Buick, Cole and Lincoln cars.

No.	A-443
1 to 4, Each	1 80
5 to 9, Each	1 59
10 or more, Each	1 44
List Price, Each	$0 80

Packed loose; wt each ¾ lb.

WALDEN-WORCESTER, TRIPLE SOCKET OFFSET

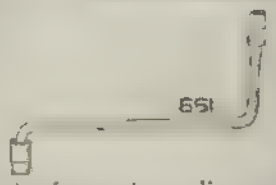
Socket sizes ½, 9/16 and ⅝ inches; length over all 9 inches. Recommended for use on Buick, Chandler, Dodge, Grant and Winton cars.

No.	A-444
1 to 4, Each	1 92
5 to 9, Each	1 71
10 or more, Each	1 53
List Price, Each	$0 85

Packed loose; wt each 1¼ lbs.

AUTOMOBILE WRENCHES

WALDEN-WORCESTER, DOUBLE END OFFSET

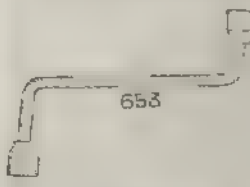


Socket sizes 11/16 and ¾ inches; length over all 10 inches. For use on Dodge; front axle, drag link and tie rod; rear axle; rear axle housing front and rear; motor support front; steering assembly, steering post coupling, muffler support. Also may be used on Dodge, Pierce-Arrow and Stewart.

No.	A-651
1 to 4, Each	1 80
5 to 9, Each	1 59
10 or more, Each	1 44
List Price, Each	$0 80

Packed loose; wt each 1 lb

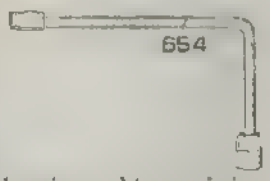
WALDEN-WORCESTER, DOUBLE END OFFSET



Socket sizes ⅞ and ¾ inches; length over all 11 inches. Recommended specifically for use on Buick, Chandler, Cleveland, Cole, Dodge, Essex, Franklin, G. M. C., Grant, Hudson, Marmon, Mitchell, Oldsmobile, Paige, Peerless, Pierce-Arrow, Reo, Republic, Scripps-Booth and Winton.

No.	A-653
1 to 4, Each	1 92
5 to 9, Each	1 68
10 or more, Each	1 53
List Price, Each	$0 85

Packed loose; wt each 1 lb.



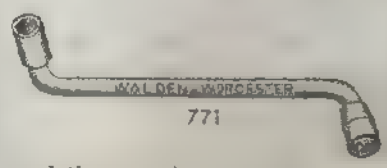
WALDEN-WORCESTER L TYPE

Socket sizes ½ and 11/16 inches; L type 10x6 inches. Recommended for use on Dodge cars for removing cylinder head and crank case, also used for taking off motor unit, cover for timing gears, fly-wheel housing and transmission cover.

No.	A-654
1 to 4, Each	1 80
5 to 9, Each	1 59
10 or more, Each	1 44
List Price, Each	$0 80

Packed loose; wt each 1 lb.

WALDON-WORCESTER, CARBURETOR FLANGE AND GENERATOR WRENCH

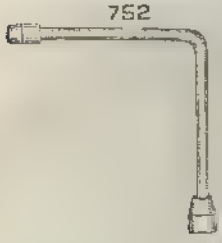


Socket sizes 9/16 and ⅝ inches; length over all 10¼ inches. Recommended to reach both flange bolt nuts with carburetor and intake manifold in place and to reach the generator cap screws.

No.	A-771
1 to 4, Each	1 80
5 to 9, Each	1 59
10 or more, Each	1 44
List Price, Each	$0 80

Five in cardboard box; wt each 1 lb.

AUTOMOBILE WRENCHES

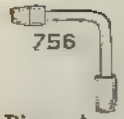


WALDEN-WORCESTER, L TYPE

Socket sizes 9/16 and 11/16 inches; L type 8x8 inches. Recommended specifically for use on Cole, Dort, Lincoln, Paige, Scripps-Booth, Stewart, Studebaker and Willys Knight.

No.	A-752
1 to 4, Each	1 80
5 to 9, Each	1 59
10 or more, Each	1 44
List Price, Each	$0 80

Packed loose; wt each 1 lb.

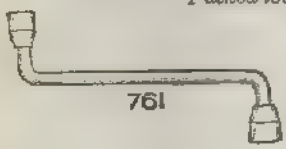


WALDEN-WORCESTER, L TYPE

Socket sizes 1/2 and 7/16 inches; L type 4x4 inches. Recommended specifically for use on Essex, Franklin, G. M. C., Hudson, Lincoln, Oldsmobile, Pierce-Arrow, Selden, Stutz, White, Wills St. Claire, and Willys Knight.

No.	A-756
1 to 4, Each	1 56
5 to 9, Each	1 38
10 or more, Each	1 26
List Price, Each	$0 70

Packed loose; wt each 1/2 lb.



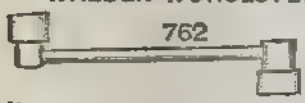
WALDEN-WORCESTER, DOUBLE END OFFSET

Socket sizes 3/4 and 5/8 inch; length over all 10 1/2 inches.

No.	A-761
1 to 4, Each	1 80
5 to 9, Each	1 59
10 or more, Each	1 44
List Price, Each	$0 80

Packed loose; wt each 1 1/4 lbs.

WALDEN-WORCESTER, DOUBLE END OFFSET



Socket sizes 1 and 1 1/16 in.; length over all 10 3/4 inches.

No.	A-762
1 to 4, Each	3 03
5 to 9, Each	2 70
10 or more, Each	2 43
List Price, Each	$1 35

Packed loose; wt each 1 1/2 lbs.

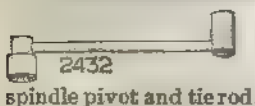
WALDEN-WORCESTER, L TYPE

Socket sizes 1/2 and 9/16 inch; L type 9 1/2x4 1/4 inches.

No.	A-763
1 to 4, Each	1 80
5 to 9, Each	1 59
10 or more, Each	1 44
List Price, Each	$0 80

Packed loose; wt each 1 lb.

WALDEN-WORCESTER, DOUBLE END OFFSET



Socket sizes 1 and 3/4 inches; length over all 11 1/4 inches. For Buick cars 6 cylinder models used on front axle, spindle pivot and tie rod; rear axle; rear spring pivot and torque rod front and rear; motor unit; main bearings and oil pan drain plugs; steering assembly, steering gear case support.

No.	A-2432
1 to 4, Each	2 58
5 to 9, Each	2 31
10 or more, Each	2 07
List Price, Each	$1 15

Packed loose; wt each 1 1/8 lbs.

AUTOMOBILE WRENCHES

BILLINGS & SPENCER DISPLAY BOARD

22 1/2° Angle Double Head S Wrenches.

Set consists of 240 wrenches, 6 each as follows:

Nos.	Hex Head Cap Screw Size Ins	Size Screw S. A. E. Head and Nut Ins	Milled Openings Ins	Lgth Ins
1401			5/8 & 13/32	4
1402	1/8 & 1/4	1/4	5/16 & 7/16	4
1404	3/16 & 1/4	1/4	3/8 & 7/16	4
1409	1/4 & 5/16	5/16 & 5/16	7/16 & 1/2	5
1411	5/16 & 3/8	5/16 & 3/8	1/2 & 9/16	5
1413	5/16 & 7/16	5/16 & 7/16	1/2 & 5/8	5
1417	3/8 & 1/2	3/8 & 1/2	9/16 & 5/8	6 1/4
1421	7/16 & 9/16	7/16	5/8 & 15/16	6 1/4
1433	5/8 & 3/4	9/16 & 11/16	5/8 & 1	9
1442	7/8 & 1	1/8	1 1/8 & 1 1/4	10 1/2

22 1/2° Angle Light Service S Wrenches.

2000	3/16 & 1/4	1/4	3/8 & 7/16	6 1/4
2007	5/16 & 3/8	5/16 & 3/8	1/2 & 9/16	7 1/8
2017	7/16	7/16	5/8 & 11/16	8 1/4
2025	1/2 & 9/16	1/2	3/4 & 13/16	9 1/4
2033	5/8	9/16 & 5/8	7/8 & 15/16	10 3/8

Engineers 15° Angle Double Head Wrenches.

Nos.	U. S. S. Bolt Size Ins	Hex Head Cap Screw Size, Ins	Size Screw S. A. E. Head and Nut Ins	Milled Openings Ins	Lgth Ins
1100A				1/4 & 7/16	3 1/2
1104		5/16 & 1/4	1/4	3/8 & 7/16	4 1/2
1107	3/16 & 1/4		5/16	13/32 & 1/2	4 1/2
1109		1/4 & 5/16	1/4 & 5/16	7/16 & 1/2	5
1111		5/16 & 3/8	5/16 & 3/8	1/2 & 9/16	5
1112	1/4 & 5/16		5/16	1/2 & 13/32	5
1116		3/8 & 7/16	3/8 & 7/16	9/16 & 5/8	6
1118	5/16 & 3/8			9/32 & 1/2	8
1120		7/16 & 1/2	7/16 & 1/2	5/8 & 3/4	6 3/4
1125		1/2 & 9/16	1/2	3/8 & 13/16	8
1128	7/16 & 1/2		9/16	25/32 & 7/8	8
1133		5/8 & 3/4	9/16 & 11/16	7/8 & 1	9
1136	9/16 & 5/8		3/4	31/32 & 1 1/16	10
1140	5/8 & 3/4		3/4 & 7/8	1 1/16 & 1 1/4	11 1/2
1142		7/8 & 1	7/8	1 1/8 & 1 1/4	13 1/2

Check Nut or Thin 15° Angle, Double Head Wrench.

1350	3/16 & 1/4		5/16	13/32 & 1/2	4 1/2
1354	5/16 & 3/8			19/32 & 11/16	5 1/2
1358	7/16 & 1/2		5/16	25/32 & 7/8	7
1362	9/16 & 5/8		3/4	31/32 & 1 1/16	10 1/2
1366	3/4 & 7/8		7/8 & 1	1 1/4 & 1 7/16	12 1/2

Textile 22 1/2° Angle, Double Head Wrenches.

1555	5/16 & 1/4		5/16	13/32 & 1/2	4 3/4
1564	5/16 & 3/8			19/32 & 11/16	5 3/4
1571	7/16 & 1/2		9/16	25/32 & 7/8	8 1/2
1578	9/16 & 5/8		3/4	31/32 & 1 1/16	9 1/2
1581	5/8 & 7/8		3/4 & 1	11/16 & 1 1/16	11

	Each
No. A-1B—Black finish; size board 7 feet by 10 7/8 inches	269 55
	$228 12

Board and wrenches in wood box; wt each 225 lbs.

WOOD BENCH PLANES

Selected, thoroughly seasoned beechwood. Crucible steel cutters.

SMOOTH

No. 3-W

Double irons, polished start. Size of cutters, 1¾, 2, 2⅛ and 2¼ inches.

No.	Length	Wt each	Each
3-W	8 in.	2⅛ lbs.	$3.50

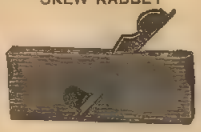
JACK

No. 15-W

Double irons, polished start. Size of cutters, 2, 2⅛ and 2¼ inches.

No.	Length	Wt. each	Each
15-W	16 in.	4 lbs.	$4.00

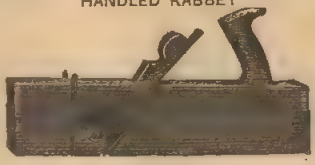
SKEW RABBET



No. 181

No.	Cutters	Wt. each	Each
181	¾, ⅞, 1 in.	⅞ lbs.	$2.50
	1¼ in.	1¼ lbs.	2.50
	1½ in.	1⅜ lbs.	2.50

HANDLED RABBET



No. 53

Two cutters. Side handle.

No.	Cutters	Wt. each	Each
53	1¼ in.	2½ lbs.	$6.50
	1½ in.	2¾ lbs.	6.50

All the above, one in a package.

ALUMINUM BENCH PLANES

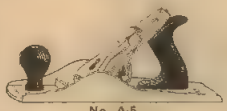
STANLEY

Regular Bailey pattern, with bottoms and frogs made of aluminum. Will not rust or break. Rosewood handles and knobs.

SMOOTH

No. A-4

JACK



No. A-5

FORE

No. A-6

No.	Length	Cutter	Wt each	Each
A-4	9 in.	2 in.	2½ lbs.	$ 8.00
A-5	14 in.	2 in.	3 lbs.	9.00
A-6	18 in.	2⅜ in.	4¾ lbs.	12.00

STEEL PLANES

STANLEY

New Stanley items with several new and distinctive features. These steel planes of the regular Stanley "Bailey" type of bench planes have a malleable iron, frog and lever cap, and a steel base. These combined features render the planes practically indestructible and give them an entirely new appearance. Knobs and handles are of selected rosewood.

No.		Same pattern as	Wt. each	Each
S-4	Smooth	No. A-4	3 lbs.	$6.70
S-5	Jack	No. A-5	3¾ lbs.	7.70

One in a box.

BLOCK PLANES

STANLEY

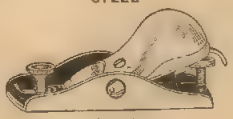
ALUMINUM

No. A-18

Aluminum bottom and adjustable front.

No.	Length	Cutter	Wt. each	Each
A-18	6 in.	1⅝ in.	1 lb.	$5.00

STEEL



No. S-18

Steel bottom and adjustable front.

No.	Length	Cutter	Wt each	Each
S-18	6 in.	1⅝ in.	1¼ lbs.	$5.00

Above, one in a box

PLANES

BED ROCK

Japanned cast iron frame, varnished rosewood handle and knob. Polished caps. Tempered and polished cutters. Screw and lever adjustments; can be adjusted for wide or narrow throat openings.

SMOOTH BOTTOM

SMOOTH

JACK, FORE AND JOINTER

No.		Length, in.	Cutter, in.	Wt. each, lbs.	Each
602	Smooth	7	1 5/8	2 1/2	$ 5.00
603	Smooth	8	1 3/4	3 1/4	5.45
604	Smooth	9	2	3 5/8	5.90
604 1/2	Smooth	10	2 3/8	4 3/4	6.75
605	Jack	14	2	5 1/2	6.75
605 1/2	Jack	15	2 1/4	6 1/2	7.30
606	Fore	18	2 3/8	7 3/8	8.50
607	Jointer	22	2 3/8	8 3/4	9.80
608	Jointer	24	2 5/8	9 3/4	11.60

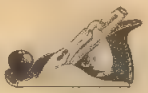
CORRUGATED BOTTOM

No.		Length, in.	Cutter, in.	Wt. each, lbs.	Each
604-C	Smooth	9	2	3 5/8	$ 6.30
604 1/2-C	Smooth	10	2 3/8	4 3/4	7.25
605-C	Jack	14	2	4 1/2	7.25
605 1/2-C	Jack	15	2 1/4	6 1/2	7.90
606-C	Fore	18	2 3/8	7 3/8	9.15
607-C	Jointer	22	2 3/8	8 3/4	10.55
608-C	Jointer	24	2 5/8	9 3/4	12.45

BAILEY

Japanned cast iron frame, varnished rosewood handles and knobs. Polished caps. Tempered tool steel cutters. Screw and lever adjustment

SMOOTH BOTTOM



SMOOTH

JACK, FORE AND JOINTER

No.		Length, in.	Cutter, in.	Wt. each, lbs.	Each
1	Smooth	5 1/2	1 1/4	1 1/2	$ 3.55
2	Smooth	7	1 5/8	2 1/2	4.60
3	Smooth	8	1 3/4	3 1/2	4.80
4	Smooth	9	2	3 3/4	5.25
4 1/2	Smooth	10	2 3/8	4 3/4	6.05
5	Jack	14	2	4 3/4	6.05
5 1/2	Jack	15	2 1/4	6 3/4	6.75
6	Fore	18	2 3/8	7 3/4	7.70
7	Jointer	22	2 3/8	8 1/2	8.80
8	Jointer	24	2 5/8	9 3/4	10.50

CORRUGATED BOTTOM

No.		Length, in.	Cutter, in.	Wt. each, lbs.	Each
3-C	Smooth	8	1 3/4	3 1/2	$ 5.15
4-C	Smooth	9	2	3 3/4	5.60
4 1/2-C	Smooth	10	2 3/8	4 3/4	6.50
5-C	Jack	14	2	5 1/4	6.50
5 1/2-C	Jack	15	2 1/4	6 3/4	7.30
6-C	Fore	18	2 3/8	7 3/4	8.30
7-C	Jointer	22	2 3/8	8 1/2	9.45
8-C	Jointer	24	2 5/8	9 3/4	11.30

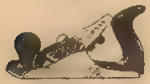
STANLEY "JUNIOR JACK"

No. 5¼

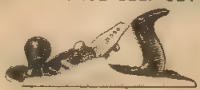
Supplies the demand for a smaller and lighter all-round jackplane. Japanned cast iron frame. Varnished rosewood handles and knobs. Polished caps Tempered tool steel cutters. Screw and lever adjustment.

No		Length	Cutter	Wt each	Each
5 1/4	Junior Jack	11 1/2 in.	1 3/4 in.	4 lbs	$5.75

CAGE SELF-SETTING



NOS. G-3 AND G-4



No. G-5

No G-6

The self-setting feature lies in the fact that the plane iron, if taken out to be honed or sharpened, goes back in exactly the same position as before removal; likewise the plane-cap when taken out to allow removal of the cutter, goes back in its original position. Handles and knobs are made of rosewood. Japanned cast iron frames. Polished caps. Tempered tool steel cutters.

SMOOTH BOTTOM

No.		Length, in.	Cutter, in.	Wt. each, lbs.	Each
G-3	Smooth	8 3/4	1 3/4	2 3/4	$5.15
G-4	Smooth	9	2	3	5.60
G-5	Jack	15	2	4 1/4	6.40
G-6	Fore	18	2 1/4	5 3/4	8.10
G-7	Jointer	22	2 1/2	6 1/2	9.30

CORRUGATED BOTTOM

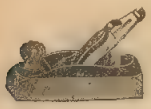
No.		Length, in.	Cutter, in.	Wt. each, lbs	Each
G-3-C	Smooth	8 3/4	1 3/4	2 3/4	$5.40
G-4-C	Smooth	9	2	3	5.90
G-5-C	Jack	15	2	4 1/4	6.70
G-6-C	Fore	18	2 1/4	5 3/4	8.50
G-7-C	Jointer	22	2 1/2	6 1/2	9.75

All the above, one in a box.

PLANES

BAILEY WOOD

Varnished beechwood bottom, knob and handle. Japanned cast iron frame and cap. Tempered cutters. Screw and lever adjustment.



NOS. 22 AND 24

NOS. 35 AND 36

SMOOTH

No.	Length	Cutter	Wt. each	Each
22	8 in.	1⅝ in.	2½ lbs.	$3.30
24	8 in.	2 in.	3 lbs.	3.45

HANDLED SMOOTH

No.	Length	Cutter	Wt. each	Each
35	9 in.	2 in.	3¼ lbs.	$4.05
36	10 in.	2⅜ in.	4 lbs	4.55

NOS. 26 TO 28

JACK

No.	Length	Cutter	Wt. each	Each
26	15 in.	2 in.	3¾ lbs.	$3.60
27½	15 in.	2¼ in	4¾ lbs	4.15

FORE

No.	Length	Cutter	Wt. each	Each
28	18 in.	2⅝ in.	5½ lbs	$4.55

BLOCK PLANES

BAILEY

NOS. 9½ TO 17

No. 15½

NOS. 18 AND 19

Japanned trimmings.

No.	Length	Cutter	Wt. each	Each
9½	6 in.	1⅝ in.	1½ lbs	$2.45
15	7 in.	1⅝ in.	1⅝ lbs	2.75

NOS. 16 AND 17
Nickel trimmings.

No.	Length	Cutter	Wt. each	Each
16	6 in.	1⅝ in.	1½ lbs.	$2.80
17	7 in.	1⅝ in.	1⅝ lbs.	3.10

Rosewood handle, japanned trimmings.

No.	Length	Cutter	Wt. each	Each
15½	7 in.	1⅝ in	1⅞ lbs	$3.25

NOS. 18 AND 19
Steel cap, knuckle joint, nickel trimmings.

No.	Length	Cutter	Wt. each	Each
18	6 in.	1⅝ in.	1½ lbs.	$3.05
19	7 in.	1⅝ in.	1⅝ lbs.	3.25

STANLEY

No. 100

No. 102

No. 110

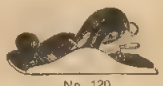
Non-adjustable.

No.	Length	Cutter	Wt. each	Each
100	3½ in.	1 in.	⅝ lb.	$0.60
102	5½ in.	1⅝ in.	⅞ lb.	.90

Non-adjustable.

No.	Length	Cutter	Wt. each	Each
110	7½ in.	1⅝ in.	1⅝ lbs.	$1.25

No. 103



No. 120

NOS. 203 AND 220

Lever adjustment.

No.	Length	Cutter	Wt. each	Each
103	5½ in.	1⅝ in.	⅞ lb	$1.30
120	7 in.	1⅝ in.	1⅝ lbs.	1.80

Screw adjustment.

No.	Length	Cutter	Wt. each	Each
203	5½ in.	1⅝ in.	1⅛ lbs.	$1.60
220	7½ in.	1⅝ in.	1⅛ lbs.	1.85

All the above, one in a box

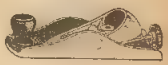
PLANES

STANLEY

LOW ANGLE BLOCK

NOS. 60½ TO 60

No. 65



No. 61

NOS. 60½ AND 65½

Adjustable, japanned trimmings.

No.	Length	Cutter	Wt. each	Each
60½	6 in.	1⅝ in.	1¼ lbs.	$2.60
65½	7 in.	1⅝ in.	1⅝ lbs.	2 80

No. 60

Adjustable, nickel trimmings.

No.	Length	Cutter	Wt. each	Each
60	6 in.	1⅝ in.	1¼ lbs.	$2.85

No. 65

Steel cap, knuckle joint, nickel trimmings.

No	Length	Cutter	Wt. each	Each
65	7 in.	1⅝ in.	1⅝ lbs.	$3.40

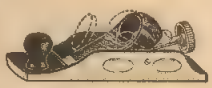
No. 61

Non-adjustable, nickel trimmings.

No.	Length	Cutter	Wt. each	Each
61	6 in.	1⅝ in.	1¼ lbs.	$2.50

DOUBLE ENDER BLOCK

No 130



No. 131

Has two slots and two cutter seats. Can be used to plane close up to corners.

No.	Length	Cutter	Wt. each	Each
130	8 in.	1⅝ in.	1⅝ lbs.	$1.85

Can be used as a block or bull nose plane.

No.	Length	Cutter	Wt. each	Each
131	8 in.	1⅝ in.	1½ lbs.	$3.00

RABBET AND BLOCK

No. 140

Detachable plate changes from rabbet to block. Cutter set on a skew.

No.	Length	Cutter	Wt. each	Each
140	7 in.	1⅝ in.	1⅝ lbs.	$3.20

LOW ANGLE

No. 62

For heavy work, cutting across grain.

No.	Length	Cutter	Wt. each	Each
62	14 in.	2 in.	5⅝ lbs.	$6.70

ADJUSTABLE CIRCULAR

No. 113

Adjusted at ends. Has graduated scale for setting face Cuts either inside or outside of circle.

No	Cutter	Wt. each	Each
113	1⅝ in.	3½ lbs.	$8.85

BULL NOSE RABBET

No. 75

CARRIAGE MAKERS' RABBET

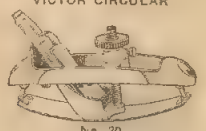
NOS. 10½ AND 10

No. 75

Adjustable throat Specially designed for working into corners.

No.	Length	Cutter	Wt. each	Each
75	4 in.	1 in	⅝ lbs.	$0.90

VICTOR CIRCULAR



No. 20

New design Few working parts and less lost motion. Great strength and accuracy.

No.	Cutter	Wt. each	Each
20	1⅝ in.	4 lbs	$9.80

NOS. 10½ AND 10

For carriage work or for heavy framing. Double cutter adjustable both endwise and sidewise

Smooth Bottom

No.	Length	Cutter	Wt. each	Each
10½	9 in.	2⅛ in.	3 lbs.	$6.35
10	13 in.	2⅛ in.	4¼ lbs.	7.70

All the above, one in a box.

PLANES

STANLEY

SIDE RABBET

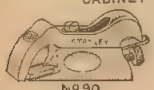
No 98

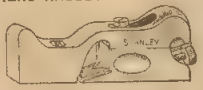
No 99

For side rabbeting and trimming dados, mouldings and grooves of all sorts. A reversible nose piece will give the tool a form by which it will work close up into corners when required.

No.		Length	Wt. each	Each
98	Right hand	4 in.	½ lb.	$2.35
99	Left hand	4 in.	½ lb.	2.35

CABINET MAKERS' RABBET


No 90


NOS. 92, 93 AND 94

Nickel plated. Both cutter and throat opening are adjustable, can be used right or left. For fine cabinet work, where extreme accuracy is required. No. 90 is bull-nose pattern, can be used close up in corners.

No.	Length	Cutter	Wt each	Each
90	4 in.	1 in.	1 lb.	$4.75
92	5 ½ in.	¾ in.	1 ½ lbs.	4.75
93	6 ½ in.	1 in.	1 ¾ lbs.	5.75
94	7 ½ in.	1 ¼ in.	2 lbs.	6.60

EDGE TRIMMER

No. 95

For trimming ends of boards. Cutter works on skew, giving easy shaving cut.

No.	Length	Cutter	Wt each	Each
95	6 in.	⅞ in.	1 ¼ lbs.	$2.50

DOUBLE END MATCH

No. 148

TONGUING AND GROOVING

No. 148 No. 48

Nickel plated. Matches ⅞-inch boards. Cuts groove ¼-inch. Two separate cutters, plow and tongue tool.

No.	Wt. each	Each
148	2 ⅝ lbs.	$5.40

No. 48

Two plow cutters and one extra wide cutter. For boards ⅝ to 1 ¼ inches thick Cuts groove ¼-inch.

No	Wt each	Each
48	3 ¾ lbs.	$6.30

DOVETAIL, TONGUING AND GROOVING

No 444

Four cutters. Cuts both tongue and groove for dovetail work

No	Length	Wt. each	Each
444	9 in.	6 lbs.	$14.70

WOODWORKERS' ROUTERS

No 71

No 71½

Nickel plated stock, with steel bits ¼ and ⅛-inch. For surfacing bottom of grooves or other depressions.

No.	Wt. each	Each
71	2 ⅝ lbs	$4.85
71½	2 ⅛ lbs	3.80

IMPROVED DADO

No. 39

IMPROVED RABBET

No 190

No. 39

Skew cutters, adjustable depth gauge, two adjustable spurs.

No.	Length	Cutter	Wt. each	Each
39	8 in.	¼ in.	2 lbs.	$3.85
		⅜ in.		4.05
		½ in.		4.30
		⅝ in.		4.50
		¾ in.		4.70
		⅞ in.		4.90
	1	in.		5.10

NOS. 190 TO 192

With spur. Will lie perfectly flat on either side. Used on either right or left hand while planing into corners or up against perpendicular surfaces.

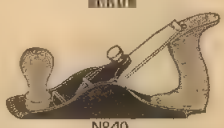
No.	Length	Cutter	Wt. each	Each
190	8 in.	1 ½ in.	2 ½ lbs.	$3.50
191	8 in.	1 ¼ in.	2 ¼ lbs.	3.30
192	8 in.	1 in.	2 lbs.	3.10

SKEW CUTTER, FILLETSTER AND RABBET

No. 289

Extra wide skew cutter Adjustable spur. Fence and depth gauge attached to either side. Suitable for right or left hand work.

No.	Length	Cutter	Wt. each	Each
289	8 ½ in.	1 ¾ in.	3 ¾ lbs.	$4.55


No 40

For fast planing on rough boards. Extra heavy cutter.

No.	Length	Cutter	Wt each	Each
40	9 ½ in.	1 ⅝ in.	2 ¼ lbs.	$2.65

All the above, one in a box.

PLANES AND SCRAPERS

STANLEY

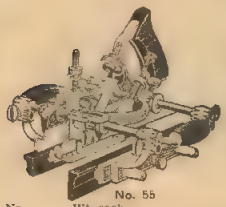
RABBET AND FILLETSTER

No 78

Two-cutter seats, spur and removable depth gauge. Fence used on either side.

No	Length	Cutter	Wt each	Each
78	8½ in.	1⅛ in.	3 lbs.	$8.05

PATENT UNIVERSAL PLANE



No. 55

Nickel plated, with 52 cutters, in a wooden box. This tool in the hands of an ordinary carpenter can be used for all lines of work covered by a full assortment of so-called fancy planes.

No	Wt. each	Each
55	15¼ lbs	$30.00

PLOW, BEADING AND MATCHING PLANE

No 50

A very handy tool for light work. Includes 7 plow and dado bits, 7 beading tools and a tonguing tool.

No.	Length	Wt each	Each
50	9¼ in.	3½ lbs.	$10.25

ADJUSTABLE SCRAPER

No 112

VENEER SCRAPER

No 212

No.	Length	Blade	Wt each	Each
112	9 in.	3 in.	1½ lbs.	$5.10
212	5½ in.	1⅝ in.	1¼ lbs.	3.65
12	3 in.	Iron face	3¾ lbs.	5.85
12½	3 in	Wood face	4 lbs.	7.90

	Each
Extra Cutters for Nos. 12 and 12½	$0.70
Extra Rosewood Bottoms for No. 12½	.80

All the above, one in a box.

No 2

CABINET SCRAPER AND HOLDER

BISHOP'S

Holds any style or size cabinet scraper. 12-inch handle, complete with one 16 gauge, 3x3-inch beveled edge cabinet scraper.

No.	Wt each	Each
2	12 ozs	$1.10

Six in a box.

No. 278

Sides and bottom square. Will lie flat on either side. Adjustable fence. Two spurs. Adjustable depth gauge. Front detachable, providing a bull-nose plane.

No	Length	Cutter	Wt. each	Each
278	6¾ in.	1 in.	2 lbs.	$8.80

TRAUT'S ADJUSTABLE DADO, FILLETSTER, PLOW, ETC.

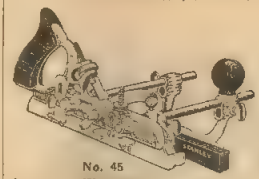
No. 46

Skew cutters. Main stock carrying spur, depth gauge and slitting cutter. Sliding section carrying spur and a fence. 8 plow and dado bits, filletster cutter, tonguing tool, and slitting cutter

Nickel plated, stock and fence.

No	Wt. each	Each
46	5¾ lbs.	$11.75

ADJUSTABLE BEADING, RABBET AND MATCHING PLANE



No. 45

Nickel plated, with twenty tools. Embraces (1) beading and center beading plane; (2) rabbet and filletster; (3) dado; (4) plow; (5) matching plane; (6) sash plane, and (7) a superior slitting plane.

No	Wt each	Each
45	9½ lbs	$15.00

ADJUSTABLE VENEER SCRAPER

No12

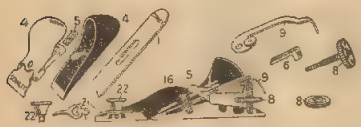
UNION ADJUSTABLE SCRAPER

No. 90

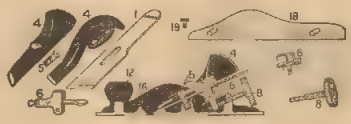
For woodworkers, cabinet makers, ship builders, meat markets, etc

No.	Wt each	Each
90	1¾ lbs	$2.25

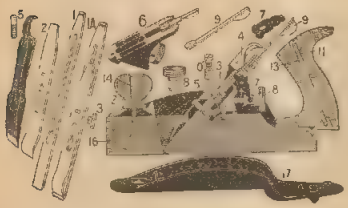
EXTRA PARTS FOR STANLEY PLANES



FOR PLANES NOS. 9½, 15, 17, 18 AND 60



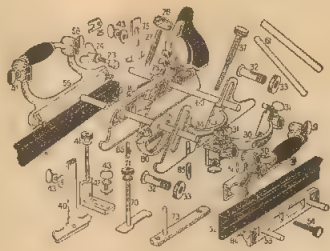
FOR PLANES NOS. 102, 103, 110, 140 AND 220



FOR PLANES NOS. 26 TO 28 AND 35

FOR PLANES No. 78

FOR PLANES NOS. 3 TO 8



FOR PLANES NOS. 45, 46 AND 55

No	Part	For plane	Each
7	Adjusting Lever	9½	$0.10
4	Cap, Lever	3	.50
4	Cap, Lever	4 and 5	.50
4	Cap, Lever	6 and 7	.50
4	Cap, Lever	8	.50
4	Cap, Lever	9½ and 15	.20
4	Cap, Lever	17	.30
4	Cap, Lever	60	.30
4	Cap, Lever	78	.20
4	Cap, Lever	102	.20
4	Cap, Lever	103	.20
4	Cap, Lever	110	.20
4	Cap, Lever	140	.30
4	Cap, Lever	220	.20
6	Frogs	3	.70
6	Frogs	4 and 5	.70
6	Frogs	6 and 7	.70
6	Frogs	8	.70
11	Handles	3	.40
11	Handles	4	.40
11	Handles	5 to 8	.40
11	Handles	26 to 28	.20
11	Handles	35	$0.20
1	Irons	9½	.42
1	Irons	10½	.65
1	Irons	60	.42
1	Irons	78	.40
1	Irons	102	.21
1	Irons	103	.21
1	Irons	110	.32
1	Irons	220	.42
12	Knobs	3	.30
12	Knobs	4 and 5	.30
12	Knobs	6 to 8	.30
22	Knobs	9½	.20
22	Knobs	18	.20
5	Screws, Lever	5	.10
5	Screws, Lever	9½	.10
5	Screws, Lever	18	.10
85	Spurs and Screws	45	.10
85	Spurs and Screws	55	.10
16	Stocks	45	5.00
16	Stocks	46	5.00
80	Stops, Cam	45	.80
80	Stops, Cam	55	.80

Note—Always give Plane number and Part number when ordering Cutters or parts. For complete list of parts see Stanley Rule & Level Co. catalogue.

PLANE IRONS

STANLEY

SINGLE

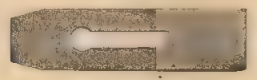
DOUBLE

Size	Wt each	Each
1 5/8 in.	3 ozs.	$0.50
1 3/4 in.	3 ozs.	.55
2 in.	4 ozs.	.60
2 1/8 in.	4 ozs.	.65
2 1/4 in.	5 ozs.	.70
2 3/8 in.	5 ozs.	.75
2 5/8 in.	6 ozs.	.80
No. 9 1/2—Block Plane, Wt. 3 ozs.		.42

Size	Wt each	Each
1 5/8 in.	6 ozs.	$0.85
1 3/4 in.	7 ozs.	.90
2 in.	8 ozs.	.95
2 1/8 in.	8 ozs.	1.00
2 1/4 in.	10 ozs.	1.10
2 3/8 in.	11 ozs.	1.20
2 5/8 in.	12 ozs.	1.30

Six in a box.

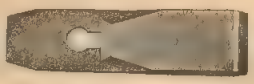
BUCK BROS.



No. 59—BINGLE

No.	Size	Wt. each	Each
59	1 1/2 in.	5 ozs.	$0.37
	1 5/8 in.	6 ozs.	.38
	1 3/4 in.	7 ozs.	.38
	1 7/8 in.	8 ozs.	.42
	2 in.	9 ozs.	.44
	2 1/8 in.	10 ozs.	.46
	2 1/4 in.	11 ozs.	.53
	2 3/8 in.	12 ozs.	.58
	2 1/2 in.	13 ozs.	.62

Twelve in a box.



No. 60—DOUBLE

No.	Size	Wt. each	Each
60	1 1/2 in.	9 ozs.	$0.71
	1 5/8 in.	10 ozs.	.71
	1 3/4 in.	11 ozs.	.73
	1 7/8 in.	12 ozs.	.79
	2 in.	13 ozs.	.81
	2 1/8 in.	14 ozs.	.84
	2 1/4 in.	15 ozs.	.92
	2 5/8 in.	1 lb.	1.02
	2 1/2 in.	1 lb.	1.08

Six in a box.

CORNERING TOOLS AND BEADERS

STANLEY CORNERING TOOLS

NOS. 28 AND 29

For rounding sharp edges. A different sized cutter at each end, sharpened to cut with grain of wood without changing position of work.

No.	Cutters	Wt. each	Each
28	1/16 and 1/8 in.	2 ozs.	$0.54
29	1/4 and 3/8 in.	2 ozs.	.56

Twelve in a box.

STANLEY HAND BEADERS

No. 66

Nickel plated, cast iron frame and handles. Even tempered and polished tool steel cutters, fitted with gauge for straight or oval work. Cutters are sharpened at both ends. Width cutters, 1/8 to 1 inch, assorted.

No.	Wt. each	Each
66	1 3/8 lbs.	$2.50

One in a box.

SCRAPERS

WALL

No. 125

Cold rolled steel blade, bright finish. Beechwood handle, blued screws. Blades 3, 3 1/2 and 4 inches, assorted.

No.	Width blade	Wt. each	Each
125	3 in.	5 ozs.	$0.18
	3 1/2 in.	5 ozs.	.19
	4 in.	6 ozs.	.20

Twelve in a box.

SCRAPERS

CABINET

No 80

No 81

No 82

Blade may be sprung to slight curve by thumb screw, giving ease of operation and quick cut. Body and handles cast in one piece. Length, 11 inches. Blade, 2⅝ inches. Japanned.

No.	Wt. each	Each
80	1¾ lbs	$2.10

	Each
Extra Cutters	$0.50

Nickel plated with raised handles. Bottom faced with rosewood. Length 11 inches. Blade, 2½ inches.

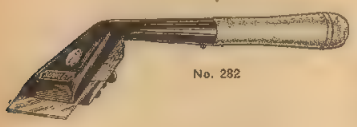
No.	Wt. each	Each
81	2¼ lbs.	$3.40

No. 82

Length, 14½ inches. Blade, 3 inches. Blade can be set at any angle. Maple handle.

No.	Wt. each	Each
82	1¾ lbs.	$2.70

Above, one in a box.



No. 282

No. 282

While this scraper may be used for all kinds of scraping, it is specially recommended for scraping floors on account of its strength and form. The body is ground smooth and black enameled. Hardwood handle, securely fastened. Blade is sharpened at both ends

No.	Blade	Length over all	Wt. each	Each
282	3 in.	13 in.	1¾ lbs.	$2.20

One in a box

	Each
Extra blades for No. 282	$0.50

HAND CABINET

Clean Cut

DISSTON

No. 7

Even high temper, hand smithed, taper ground, dressed edges, ready for use. Tapered edges, one gauge, enables it to spring readily to suit the finest work. **Fully warranted.**

No.	Size	Wt each	Each
7	2½x4 in.	2 ozs.	$0.70
	3 x4 in.	3 ozs.	.70
	3 x5 in.	3 ozs.	.70
	3 x6 in.	4 ozs.	.70

Twelve in a box

Extra cast steel

	Size	Wt. each	Each
Disston	2 x6 in.	3 ozs.	$0.20
	2½x5 in	3 ozs.	.22
	3 x4 in.	3 ozs.	.20
	3 x5 in	3 ozs	.24
	3 x6 in.	4 ozs.	.30
	3½x6 in.	4 ozs	.40

Twelve in a box.

DISSTON ASSORTMENTS

(Small—2x4 to 3x6 inches.)

No.	Wt. per asst.	Per asst.
5	1¾ lbs.	$3.50

(Large—3½x4 to 5x6 inches.)

No.	Wt. per asst.	Per asst.
10	3 lbs.	$4.50

Twelve in a box.

FLOOR

No. 10

Adjustable cross handle. For use on large surfaces. Scrapes floor when drawn toward operator, will work up to wall and into corners. Practically all weight rests on knife, which is firmly clamped; does not vibrate or chatter and leaves no wavy effects on floor. Wheels have rubber tires. Aluminum finish. Blade, 6 inches. Wheels, 5 inches. Handle, 38 inches.

No.	Wt. each	Each
10	135 lbs.	$36.00

One in a wooden box.

WALDEN-WORCESTER SOCKET WRENCHES

WRENCH DISPLAY BOARDS FOR FORD

No. R80

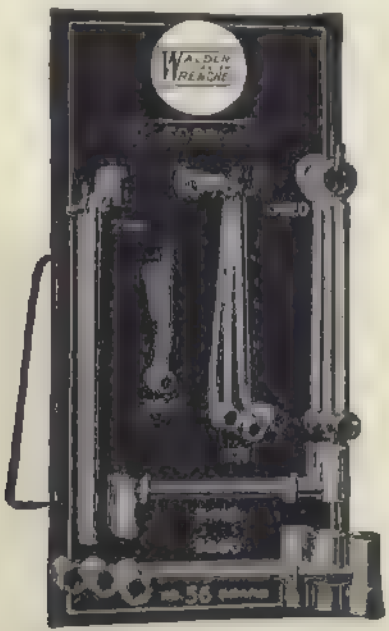
No. R80 Wrench Display Board for Ford. Carries 48 wrenches, three each of [illegible] numbers: VG3, 773, 1018, 1020, 1620, R1881 [illegible], 3822 R4064, 5666, 5810, 6018, 6020, 6064, Size, 4x2 ft. Wt., 102 lbs.
No. R80 Wrench Display Board . . . complete $49 65

WRENCH DISPLAY BOARDS FOR CHEVROLET

No. 39B

No. 39B Wrench Display Board for Chevrolet. Carries 30 wrenches, three each of the following numbers: 391, 395, 494, 2418, 2716, 2718, 2734, 5660, 6016, 6018. Size of board, 6x2 feet. Weight, 80 pounds.
No. 39B Wrench Display Board . . . complete $23 25

No 56



No. 56 Wrench Display Board for the Ford Owner. Arranged for use on counter, wall or in window. Carries 18 wrenches, three each of the following numbers: 494, 774, 771, 2418, 3620, 5660. Size, 2x1 ft. Wt., 24 lbs.
No. 56 Wrench Display Board . . . . . complete $15 15

No. 39C

No. 39C Wrench Display Board for the Chevrolet Owner. Arranged for use on counter, wall or in window. Carries 15 wrenches, three each of the following numbers: 391, 494, 2418, 2716, 5660. Size of board, 2x1 foot. Weight, 21 pounds.
No. 39C Wrench Display Board. . . . . complete $11 85

WALDEN-WORCESTER SOCKET WRENCHES

INTERCHANGEABLE WRENCH SETS

No. 27. For service station, garage, general factory or mill service. All parts nickel plated. Furnished in all steel tool box.

No. 712. 11-in. Ratchet Wrench
No. 1143. Tee Handle and Extension Shank.
No. 1125. Offset Handle.
No. 1163. Brace Wrench.
No. 1102. Universal Joint.
No. 1109. Plug Connectors (2).
No. 1108. Extension Top.
No. 1139. 9-in. Extension Bar.
16 Hex. Sockets [illegible], 1/2, 9/16, 19/32, 5/8, 11/16, 3/4, 23/32, 13/16, 7/8, 15/16, 31/32, 1, 1 1/16, 1 1/8, 1 1/4-in.
11 Sq. Sockets [illegible], 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 7/8, 1, 1 1/8, 1 1/4-in.
Box size, 15 7/8x9x4 3/4 inches. Weight, 25 lbs.
No. 27 Interchangeable Wrench Set... complete $26 00

No. 26. Same as No. 27 but does not contain the series of square sockets. Box size, 15 7/8x9x4 3/4 inches. Wgt. 20 lbs., 4 oz. Furnished in all steel tool box.
No. 26 Interchangeable Wrench Set. .....complete $20 00

No. 300. For car owners. All parts nickel-plated. Contains: 6 Hex. sockets, 1/2, 7/16, 5/8, 11/16, 3/4, 7/8. All heat treated. 1, 6-inch offset handle. Card board box; size, 6 3/4x2 1/4x1 5/8 inches. Weight, 1 pound, 8 ounces. Packed in a cardboard box.
No. 300 Interchangeable Wrench Set..... complete $0 80

INTERCHANGEABLE WRENCH SETS

No. 16. For general service. Parts nickel-plated.
No. 712. 11-inch Ratchet Wrench.
No. 1139. 9-inch Extension Bar.
No. 1102. Universal Joint.
No. 1109. Plug Connectors (2).
16 Hex. sockets, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 25/32, 13/16, 7/8, 15/16 31/32, 1, 1 1/16, 1 1/8, 1 1/4-in. Box size, 11 5/8x4 3/4x2 1/4 inches. Weight, 9 pounds, 8 ounces. Furnished in all steel tool box.
No. 16 Interchangeable Wrench Set ...complete $14 00

No. 25. Approved shapes of extra heavy duty handles, suitable for hard service. All parts nickel-plated.
No. 1125. Offset Handle
No. 1143. Comb. Tee Handle and Extension Bar.
No. 1163. Brace Wrench.
12 Hex. Sockets, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 7/8, 15/16, 1, 1 1/16, 1 1/8, 1 1/4-in. Box size, 14 1/2x6 3/4x3 inches. Weight, 14 pounds. Furnished in all steel tool box.
No. 25 Interchangeable Wrench Set.....complete $12 00

DRAIN PLUG SERVICE SET

No. 21. For draining and refilling crank cases, transmissions and differential housings. Will take care of 90% of the passenger cars and trucks.
No. 1124. Tee Handle having 4-inch shank with cross bar for use with sockets and plugs.
7 Hex. sockets, 1/2, 3/4, 13/16, 1, 1 1/16, 1 1/8, 1 1/4-in.
8 Sq. sockets [illegible], 1 1/16-in.
8 plugs, 5/16, 3/8, 7/16, [illegible], 3/4-in.
Box size, 12 1/8x5 1/2x2 3/4 inches. Weight, 4 pounds, 8 ounces. Furnished in all steel tool box.
No. 21 Drain Plug Service Set . complete $8 50

WALDEN-WORCESTER SOCKET WRENCHES

INTERCHANGEABLE SERVICE SET

Interchangeable Socket Wrench Service Set will service all cars. Is particularly adapted to the care of the requirements of small garages and repair shops. All parts and sockets are interchangeable with each other.

Contents

No. 1119 Long Shank Speed Wrench, 20 in. over all, 9¼ in. shank with solid steel grips.
No. 1115 Short Shank Speed Wrench, 14½ in. over all, 4½ in. shank with two solid steel grips.
No. 1127 Long Shank Tee Handle, 12 in. shank, with 1 in. sliding cross bar.
No. 1106 Short Shank, Tee Handle, 6 in. shank, with ¾ in. sliding cross bar.
No. 1113 Brace Spin Reversible Ratchet, 2⅝ in. long, 1 in. dia.
No. 1111 10 in. Combination Tee and Offset.
No. 1109 Plug Connector
No. 1139 9 in. Extension Bar.
No. 1110 Socket Connector.
No. 1125 Offset Handle.
No. 1102 Universal Joint.
10 Chrome Nickel Hex Sockets, Nos. 214, 216, 218, 219, 220, 222, 224, 225, 226, 228.
Furnished in an all steel tool box.
Box size 14½x6¾x2¾ in.
No. 28 Interchangeable Service Set.....per set $15 60

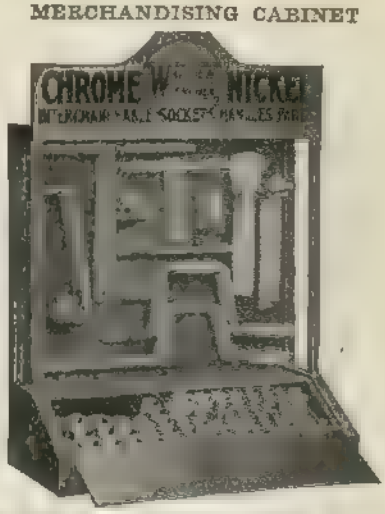
No. 500 HEAVY DUTY SET

No. 500 Heavy Duty Set designed for busses, trucks, delivery wagons, tractors, locomotives, steam engines and heavy industrial work. Furnished in an all steel tool box.
Contents
No. 1103 Offset Adapter.
No. 1112 Tee Handle Shank.
No. 1123 Cross Bar Handle.
Six Heavy Duty Sockets.
Nos. 542, 544, 546, 548, 552, 556.
No. 500 Heavy Duty Set.. .. .per set $12 65

HEAVY DUTY SOCKETS

No.	Size, In	Each	No.	Size, In.	Each
540	1¼	$1 10	552	1⅝	$1 65
542	1 5/16	1 25	554	1 11/16	1 80
544	1⅜	1 35	556	1¾	1 85
546	1 7/16	1 50	558	1 13/16	1 90
548	1½	1 55	560	1⅞	2 50
550	1 9/16	1 60	564	2	2 65

MERCHANDISING CABINET



No. 1100 Steel Merchandising Cabinet for Interchangeable Wrenches, Sockets and Parts.

Contents

Square Steel Sockets

No.	Quantity	Each
112	2	$0 40
114	2	40
116	2	40
118	2	40
120	2	45
122	2	50
124	2	55
128	2	65

Hexagon Steel Sockets

214	3	40
216	3	40
218	3	40
219	3	40
220	3	40
222	3	40
224	3	45
225	3	45
226	3	50
228	3	50
230	3	50
231	3	60
232	3	60
234	3	65
236	3	65
240	3	66

Ratchet Wrench

713	3	$2 00

Universal Joint

1102	3	1 80

Tee Handle

1106	3	1 00

Plug Connector

1109	3	35

Socket Connector

1110	1	35

Combination Tee and Offset

1111	1	75

Reversible Ratchet

1113		1	1 75
1115	Speed Wrench	1	1 30
1119	Speed Wrench	3	1 20
1125	Offset Handle	1	80
1127	Tee Handle	1	1 40
1139	Extension Bar	1	60

No 1100 Steel Merchandising Cabinet containing 113 wrenches and sockets.. .... complete $90 00

WALDEN-WORCESTER SOCKET WRENCHES

UNIVERSAL JOINTS AND PLUG CONNECTORS

No. 1102 Universal Joints. Weight, 8 ounces. Used in combination with ratchet wrench, extension bars and sockets, and works successfully at 45° angle. Are solid steel, full machined finish ..... each $1 80

No. 1109 Plug Connectors. Weight, 2 ounces. Square bar connector, with ball friction on each end for coupling combination parts..... each $0 35

No. 1110 Socket Connector.....each $0 35

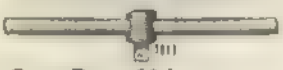
No. 1113 Back Spin Reversible Ratchet. 3¾-in. long. 1-in. diameter.....each $1 75

EXTENSION BAR

No. 1139 Extension Bar. Length, over all, 9 inches. Ball friction on either end.

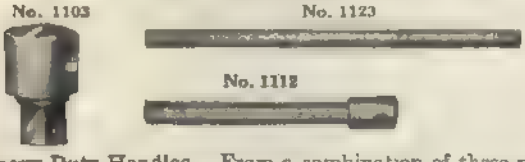
No. 1139 Extension Bar.....each $0 60

SLIDING CROSS BAR



No. 1111 Sliding Cross Bar. 10-in.....each $0 75

HEAVY DUTY HANDLES



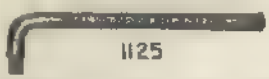
Heavy Duty Handles. From a combination of these parts can be made a short and a long tee and an offset.

No. 1103 Offset Adapter.....each $1 10

No. 1123 Cross Bar Handle. Length, 20 inches, ⅞-inch stock..... each $0 80

No. 1112 Tee Handle Shank. Length, 13¾ inches, 1-inch stock.....each $1 75

OFFSET HANDLE



No. 1125 Offset Handle. Length, 10⅝ inches...each $0 80

RATCHET WRENCH

No. 712 Ratchet Wrench. Length, over all, 11 inches. Opening, ½ inch. Made of high grade steel

No. 712 Ratchet Wrench..... each $2 00

RATCHET WRENCH FOR FORD

No. R4564 Ratchet Wrench. Used on Ford brake and reverse transmission bands. 11/16-inch hex opening. Length, over all, 6⅜ inches.

No. R4564 Ratchet Wrench.....each $0 55

INTERCHANGEABLE STEEL SOCKETS

Interchangeable Steel Sockets. Sockets are machine made from the solid bar. Broaching depth is the thickness of the nut to be fitted, and broached ¼ inch over the size of the nut. Sockets are counter drilled, making extreme bolt use depth of socket ⅛ inch more than the thickness of the nut. The outside diameter of the socket size and taper have been designed to insure strength and service conditions. The broached end is countersunk slightly to relieve the square edges and to allow more rapid placing of socket on bolt head. All sockets are heat treated to toughen them.

SQUARE STEEL SOCKETS

No.	Socket Sizes, Inches	S.A.E. Nuts and Cap Screws, Inches	U.S.S. Nuts, Inches	U.S.S. Cap Screws, Inches	U.S.S. Bolt Heads, Unfinished, Inches	Each
112	5/8					$0 40
114	7/16	1/4		1/4		40
116	1/4	5/16	1/4	5/16	1/4	40
118	9/16	3/8		3/8		40
120	5/8	7/16		7/16		45
122	11/16		3/8		3/8	50
124	3/4	1/2		1/2		55
128	7/8	9/16	1/2	5/8	1/2	65
132	1	11/16		3/4		75
136	1 1/8			7/8		80
140	1 1/4	7/8	3/4	1	3/4	80

HEXAGON STEEL SOCKETS

No.	Socket Sizes Inches	S.A.E. Nuts and Cap Screws Inches	U.S.S. Nuts Inches	U.S.S Cap Screws Inches	U.S.S. Bolt Heads, Unfinished, Inches	Each
214	7/16	1/4		1/4		$0 40
216	1/2	5/16	1/4	5/16	1/4	40
218	9/16	3/8		3/8		40
219	19/32		5/16		5/16	40
220	5/8	7/16		7/16		40
222	11/16		3/8		3/8	40
224	3/4	1/2		1/2		45
225	25/32	7/16			7/16	45
226	13/16			9/16		50
228	7/8	9/16	1/2	5/8	1/2	50
230	15/16	5/8				50
231	31/32		9/16		9/16	60
232	1	11/16		3/4		60
234	1 1/16	3/4	5/8		5/8	65
236	1 1/8			7/8		65
240	1 1/4	7/8	3/4	1	3/4	65

HEAVY DUTY SOCKETS

No.	Size, In.	Each	No.	Size, In.	Each
540	1 1/4	$1 10	552	1 5/8	$1 65
542	1 5/16	1 25	554	1 11/16	1 80
544	1 3/8	1 35	556	1 3/4	1 85
546	1 7/16	1 50	558	1 13/16	1 90
548	1 1/2	1 55	560	1 7/8	2 50
550	1 9/16	1 60	564	2	2 65

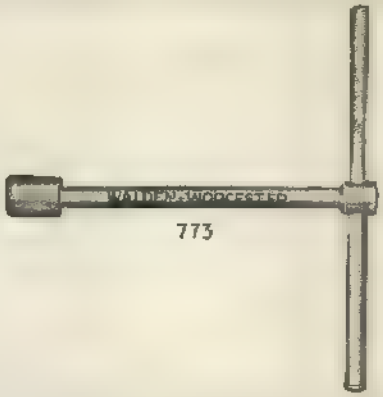
WALDEN-WORCESTER SOCKET WRENCHES

TEE HANDLE WRENCHES

No. 4300 Series Heavy Duty Tee Handle Wrenches. This is a Tee Handle wrench of extra strength with extra depth sockets, heat treated for heavy duty work. The sliding bar can be used as an L or a Tee as the case may require. Plain lacquer finish.

No.	Socket Size	Nut & Bolt Sizes: S.A.E Nuts & Cap Screws	Nut & Bolt Sizes: U.S. Stand. Nuts	Nut & Bolt Sizes: U.S. Stand. Cap Screws	Dimensions: Handle Size	Dimensions: Overall Shank	Dimensions: Shank Diam.	Dimensions: O.D. Socket	Dimensions: Socket Lgth.	Weights: Complete	Weights: Socket Only	Each
4314	7/16	1/4		1/4	5/16x 8	15	1/16	1/4	3/8	1.31	.28	$1 25
4315	1/2	5/16	1/4	5/16	3/8x 8	15	1/16	13/32	3/8	1.37	.33	1 35
4318	9/16	3/8		5/16	3/8x 8	15	1/2	7/16	3/8	1 37	.36	1 45
4319	19/32		5/16		3/8x 8	15	1/2	1	3/8	1 43	.50	1 50
4320	5/8	7/16		7/16	7/16x 8	15	1/2	1	3/8	1 56	.50	1 55
4322	11/16		1/2		7/16x 8	15	9/16	1 1/16	3/8	1 68	.57	1 65
4324	3/4	1/2		1/2	7/16x 8	15	9/16	1 1/8	3/8	1 75	.64	1 70
4325	13/16		5/16		7/16x 8	15	9/16	1 1/4	3/8	1 88	.79	1 75
4326	15/16			5/16	7/16x 8	15	9/16	1 1/4	3/8	2 06	.79	1 75
4328	7/8	5/16	1/2	3/8	1/2x10	12	11/16	1 7/16	2 1/4	2 31	.91	1 80
4330	15/16	3/8			1/2x10	12	11/16	1 21/32	2 1/4	2 37	.91	1 95
4331	31/32		5/16		1/2x10	12	11/16	1 21/32	2 1/4	2 43	.93	2 15
4332	1	1/16		3/4	1/2x10	12	11/16	1 21/32	2 1/4	2 43	1.0	2 25
4334	1 1/16	3/4	5/8		1/2x10	12	11/16	1 29/32	2 1/2	2.62	1.12	2 70
4336	1 1/8			7/8	1/2x10	12	3/4	1 47/64	2 5/8	2 62	1 28	3 00
4338	1 3/16				1/2x10	12	3/4	1 55/64	3	2 75	1.31	3 15
4340	1 1/4	3/8	3/4	1	5/8x12	12	3/4	1 55/64	3	3.06	1.31	3 60
4342	1 5/16				5/8x12	12	3/4	2 1/64	3 1/4	3.43	1 40	3 80
4344	1 3/8			1 1/8	5/8x12	12	3/4	2 1/64	3 1/8	3 43	1 43	4 05
4346	1 7/16	1	1/8		5/8x12	12	3/4	2 9/64	3 1/4	3.56	1 68	4 50
4348	1 1/2			1 1/4	11/16x14	12	7/8	2 9/64	3 1/4	4.68	1 68	4 95
4350	1 9/16				11/16x14	12	7/8	2 23/64	3 1/8	5.37	2 30	4 95
4352	1 5/8	1 1/16	1		11/16x14	12	7/8	2 25/64	3 1/8	5.37	2 50	5 40
4354	1 11/16				11/16x14	12	7/8	2 29/64	3 7/8	5.56	3 05	5 85
4356	1 3/4				3/4x.6	12	1	2 29/64	3 7/8	6.31	3 05	6 00
4358	1 13/16	1 1/4	1 1/8		3/4x16	12	1	2 49/64	3 7/8	6 68	3 05	6 30
4360	1 7/8				3/4x16	12	1	2 57/64	4 3/8	7 25	3 50	6 75
4364	2	1 3/16	1 1/4		3/4x16	12	1	2 57/64	4 3/8	7 68	3 93	7 20

MAIN BEARING TEE HANDLE FOR FORD



No. 773 Main Bearing Tee Handle for Ford. May be used on center main bearing with motor assembled or on front main bearing when motor is out. Socket size, 9/16 inch square. Length, over all, 10 inches.
No. 773 Main Bearing Tee Handle for Ford....each $1 50

TEE HANDLES

No. 1106 Short Shank Tee Handle. 6-in. shank with 8-in. sliding cross bar.....each $1 00
No. 1127 Long Shank Tee Handle. 12-in. shank with 10-in. sliding cross bar. .....each $1 40

UNIVERSAL JOINT TEE HANDLE WRENCHES

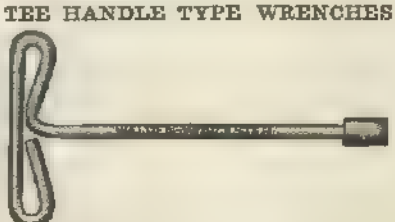
Universal Joint Tee Handle Wrenches. Tee-Flex Series. Universal joint built integral with tool.

No.	Size, In.	Each	No.	Size, In.	Each
1016	1/2	$2 00	1022	11/16	$2 25
1018	9/16	2 00	1024	3/4	2 25
1020	5/8	2 00	1028	7/8	2 25

TEE HANDLE

No. 1143 Tee Handle. Shank, 13 inches. Handle, 12 inches. Used also as an extension shank for No. 1163 Brace. Cross bar adjustable to make L Type.
No. 1143 Tee Handle.....each $1 85

TEE HANDLE TYPE WRENCHES



No. 2700 Series Handle, 6 inch. Shank, 12 inches.

No.	Size, In.	No.	Size, In.	No.	Size, In.
2714	7/16	2720	5/8	2725	25/32
2716	1/2	2722	11/16	2726	13/16
2718	9/16	2724	3/4	2728	7/8
2719	19/32				

No. 2700 Series Tee Handle Wrench.....each $0 65

WALDEN-WORCESTER SOCKET WRENCHES

SINGLE END OFFSET WRENCHES

No. 4200 Series Single End Offset Wrenches. One socket. For general industrial use, garage service, motor cars and trucks. Long heavy handles, deep sockets. Socket sizes are the short diameter of nut or bolt head to be fitted. Wrenches are broached oversize for full clearance.

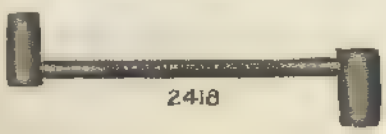
No.	Nut and Bolt Sizes: Socket Size	S.A.E. Nuts and Cap Screws	U.S. Stand. Nuts	U.S. Cap Screws	Dimensions: Handle	O.D. Socket	Length Socket	Clearance Under Handle	Weights: Complete	Socket only	Each
4214	7/16	1/4		5/16	7/16 x 8	3/4	2	1 1/8	.64	.28	$0 70
4216	1/2	5/16	1/4	3/8	1/2 x 8	15/16	2	1 1/16	.81	.33	75
4218	9/16	3/8		7/16	1/2 x 8	7/8	2	1 1/16	.86	.38	80
4219	11/32		5/16		1/2 x 8	15/16	2	1 1/16	.94	.44	85
4220	5/8	7/16		1/2	5/8 x 9	1	2	1 1/16	1.23	.50	85
4222	11/16		3/8		5/8 x 11	1 1/16	2	1 1/16	1.30	.57	90
4224	3/4	1/2		9/16	5/8 x 11	1 1/8	2	1 1/16	1.40	.64	95
4225	25/32		7/16		5/8 x 11	1 3/16	2	1 1/4	1.45	.71	1 00
4226	13/16			9/16	5/8 x 11	1 1/4	2	1 1/4	1.55	.76	1 00
4228	7/8	9/16	1/2	5/8	5/8 x 11	1 5/16	2 1/4	1 3/8	1.80	.81	1 10
4230	15/16	5/8			5/8 x 11	1 3/8	2	1 3/8	1.50	.86	1 10
4231	29/32		9/16		5/8 x 10	1 7/16	2 1/4	1 3/8	1.50	.86	1 30
4232	1	11/16		5/8	11/16 x 12	1 1/2	2 1/4	1 1/2	1.60	.91	1 40
4234	1 1/16	3/4	5/8		11/16 x 12	1 5/8	2 1/2	1 1/2	2.00	.75	1 65
4236	1 1/8			3/4	11/16 x 12	1 3/4	2 1/2	1 5/8	2.10	.85	1 80
4238	1 3/16				11/16 x 12	1 13/16	3	1 5/8	2.50	1.25	1 95
4240	1 1/4	7/8	3/4	1	11/16 x 15	1 7/8	3	2	3.00	1.25	2 20
4242	1 5/16				11/16 x 15	2	3 1/4	2 1/4	3.50	1.65	2 30
4244	1 3/8			1 1/16	11/16 x 15	2 1/16	3 1/4	2 1/4	3.50	1.65	2 50
4246	1 7/16	1	7/8		11/16 x 18	2 1/8	3 1/4	2 5/16	4.75	1.80	3 00
4248	1 1/2			1 1/4	11/16 x 18	2 3/16	3 1/4	2 5/16	4.75	1.80	3 00
4250	1 9/16				11/16 x 18	2 1/4	3 1/2	2 5/16	5.50	2.45	3 50
4252	1 5/8	1 1/8	1		11/16 x 18	2 5/16	3 1/2	2 5/16	5.50	2.45	3 50
4254	1 11/16				11/16 x 18	2 3/8	3 1/2	2 5/16	6.00	2.85	4 00
4256	1 3/4				1 x 20	2 7/16	3 1/2	2 5/16	7.25	2.85	4 50
4258	1 13/16	1 1/4	1 1/16		1 x 20	2 1/2	3 1/2	2 5/16	7.25	2.85	4 50
4260	1 7/8				1 x 24	2 9/16	4 1/2	3 1/2	9.00	3.50	5 00
4264	2	1 3/8	1 1/4		1 x 24	2 11/16	4 1/2	3 1/2	9.50	4.00	5 00

SINGLE END OFFSET WRENCHES
1 Socket

No.	Socket Size, In.	Each
496	5/16	$0 50
497	3/8	50
498	7/16	50
494	1/2	50
499	9/16	50

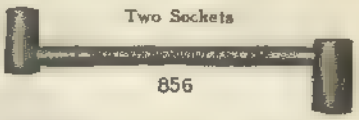
DOUBLE END OFFSET WRENCHES
2 Sockets

No. 391. Socket sizes, 1/2 and 5/8 in. Length, over all, 8 5/8 inches.
No. 391 Double End Offset Wrench.....each $0 80

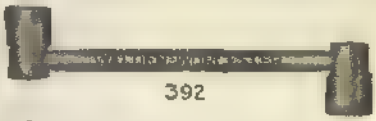


No. 2418. Socket sizes, 9/16 and 3/4 in. Length, over all, 9 3/16 inches.
No. 2148 Double End Offset Wrench.....each $0 90

DOUBLE END OFFSET WRENCHES
Two Sockets



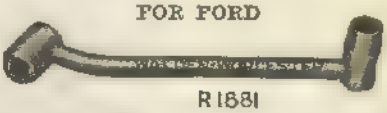
No. 856. Double End Offset Wrench. Socket sizes, 3/4 and 7/8 in. Length over all, 10 3/4 inches.....each $1 10



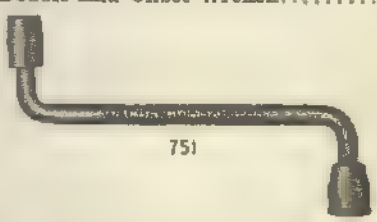
No. 392. Double End Offset Wrench. Socket sizes, 7/8 and 1 1/16-inch. Length, over all, 10 5/8 in.....each $1 10

No. 762. Double End Offset Wrench. Socket sizes, 1 1/16 and 1 inch. Length, over all, 10 3/4 in.....each $1 35

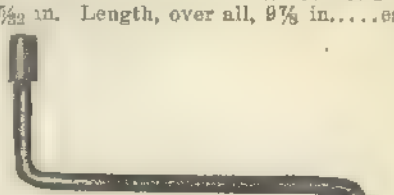
FOR FORD



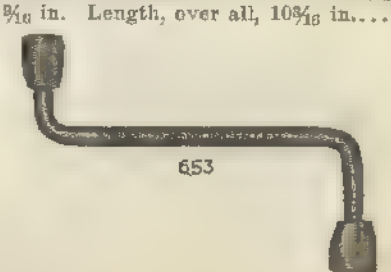
No. R1881 Double End Offset Wrench for Ford. Two sockets, sizes 9/16 in. square for both center and front main bearing, 9/16 in. hex for wrist pin use only. Length, 9 7/16 in.
No. R1881 Double End Offset Wrench.....each $1 20



No. 751. Double End Offset Wrench. Socket sizes, 5/8 and 25/32 in. Length, over all, 9 7/8 in.....each $0 80



No. 651. Double End Offset Wrench. Socket sizes, 7/8 and 29/32 in. Length, over all, 10 3/16 in.....each $0 80



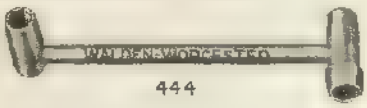
No. 653. Double End Offset Wrench. Socket sizes, 7/8 and 29/32 in. Length, over all, 9 11/16 in.....each $0 80

WALDEN-WORCESTER SOCKET WRENCHES

DOUBLE END OFFSET WRENCHES

Three Sockets

No. 1620. Socket sizes, 5/8, 9/16, 1/2 inch. Length, over all, 9½ inches. ½ inch rod connects two sockets.
No. 1620 Double End Offset Wrench .....each $0 85



No. 444. Socket sizes, ½, 9/16, 5/8 inch. Length, over all, 9 3/16 inches.
No. 444 Double End Offset Wrench.....each $0 85

No. 5660. Socket sizes, 15/16, 7/8, 1 1/16 inch. Length, over all, 10½ inches.
No. 5660 Double End Offset Wrench.....each $1 10

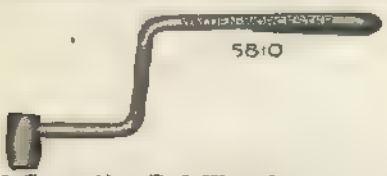
Four Sockets

No. 393. Socket sizes, 1 5/16, 1 1/16, 25/32, ¾ in. Length, over all, 10¾ inches.
No. 393 Double End Offset Wrench.....each $1 80

FLY WHEEL CAP SCREW WRENCH FOR FORD

No. 3822 Wrench. For Ford flywheel cap screws. Socket size, 1 1/16 inch. Length, over all, 11¾ inches.
No. 3822 Cap Screw Wrench.....each $0 70

CONNECTING ROD WRENCH FOR FORD



No. 5810 Connecting Rod Wrench for Ford. Fits all connecting rod nuts, including the fourth connecting rod. Socket size, 5/8 inch. Length, over all, 10 5/16 inches.
No. 5810 Connecting Rod Wrench.....each $0 60

DOUBLE END SPARK PLUG WRENCHES

Double End Spark Plug Wrench. Pressed steel and case hardened. Two sizes in one. 1/64-in. oversize of spark plug.
No. 2933. 7/8 and ¾ in..... each $0 45
No. 2937. 7/8 and 1 1/8 in..... " 45
No. 3137. 15/16 and 1 1/8 in..... " 45

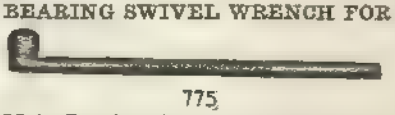
CARBURETOR AND GENERATOR WRENCH FOR FORD

No. 771 Wrench for Ford. 9/16-inch hex end designed to reach both flange bolt nuts with carburetor and intake manifold in place on engine. 5/8-inch hex end for generator gives sufficient length of shank to clear breather pipe and commutator. Length, over all, 9 7/8 inches.
No. 771 Carburetor and Generator Wrench....each $0 80

CONNECTING ROD SWIVEL WRENCH FOR FORD

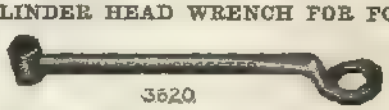
No. 774 Fourth Connecting Rod Swivel Wrench for Ford. Swivel action of the socket on the handle allows the use of handle at many angles. Useful also for both inlet and outlet water cylinder connection cap screws. Socket size, 5/8 inch. Length, over all, 13 3/4 inches.
No. 774 Connecting Rod Wrench.....each $0 90

MAIN BEARING SWIVEL WRENCH FOR FORD



No. 775 Main Bearing Swivel Wrench for Ford. Swivel action of socket on handle permits using wrench on front and center main bearing without taking out motor. Socket size, 9/16 inch square. Length, over all, 13¾ inches.
No. 775 Main Bearing Swivel Wrench.....each $0 90

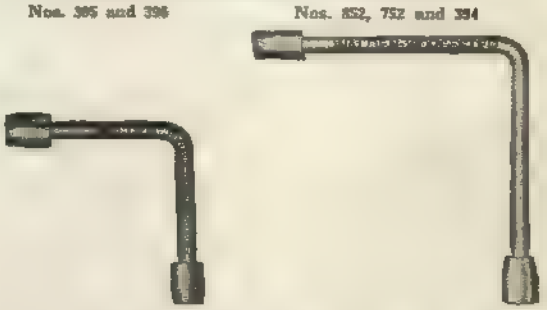
CYLINDER HEAD WRENCH FOR FORD



No. 3620 Spark Plug and Cylinder Head Wrench for Ford. Used also on water cylinder inlet and outlet, differential oil plug drain, transmission drain plug. Socket sizes, 15/16 and 5/8 inch. Length, over all, 11 inches.
No. 3620 Cylinder Head Wrench .....each $0 85

L TYPE WRENCHES, TWO SOCKETS

Nos. 395 and 396 Nos. 852, 752 and 394



No. 395 L Type Wrench. Socket sizes, ½, 9/16 inch. Shanks, 4x4 inches.....each $0 70
No. 396 L Type Wrench. Socket sizes, 3/8, 7/16 inch. Shanks, 4x4 inches.....each 70
No. 852 L Type Wrench. Socket sizes, 7/16, ½ inch. Shanks, 8x8 inches .....each 80
No. 752 L Type Wrench. Socket sizes, 9/16, 11/16 inch. Shanks, 8x8 inches.....each 80
No. 394 L Type Wrench. Socket sizes, ¾, 7/8 inch. Shanks, 8x8 inches.....each 85

WALDEN-WORCESTER SOCKET WRENCHES

SHORT SHANK SPEED WRENCHES

No.	Size I	Length, In.	Each
6064	1	11⅞	$0 80
6072	9/16	12⅝	80

LONG SHANK SPEED WRENCH

No. 6218 Long Shank Speed Wrench. Socket size, 9/16 inch. Length, over all, 28¼ inches.....each $1 25

SPEED WRENCHES

No. 6000 Series Speed Wrenches. Length, over all, 19 inches. Are most effective when used on a series of nuts or bolts of the same size.

No.	Size, In.
6014	7/16
6016	½
6018	9/16
6019	19/32
6020	5/8
6022	11/16
6024	¾
6025	25/32
6026	13/16
6028	⅞

No. 6000 Series Speed Wrench.....each $0 90

DOUBLE POWER SPEED WRENCHES

No. 7000 Series Double Power Speed Wrenches. Loop on handle is grip for extra leverage.

No.	Size, In.
7014	7/16
7016	½
7018	9/16
7019	19/32
7020	5/8
7022	11/16
7024	¾
7025	25/32
7026	13/16
7028	⅞

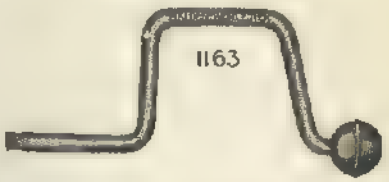
No. 7000 Series Double Power Speed Wrench..each $1 00

NUT AND BOLT SPEEDERS

No. 6316 Nut and Bolt Speeder. Socket sizes, ½ and ½ inch. Length, over all, 20¼ inches.....each $3 00

No. 6318 Nut and Bolt Speeder. Socket sizes, 9/16 and 9/16 inch. Length, over all, 20¼ inches.....each $3 00

BRACE WRENCH



No. 1163 Brace Wrench. Length over all, 14⅝ inches. Sweep, 4⅛ inches. Shank, 5½ inches. Heavy duty type. Use No. 1143 Tee Handle for extension.

No. 1163 Brace Wrench.....each $1 85

SHORT VALVE GRINDER FOR FORD

No. VG3 Short Valve Grinder for Ford. The original wire handle valve grinder re-designed with ⅝-inch bar handle which swivels on cone bearing. Has fork end. Weight, 8 ounces.

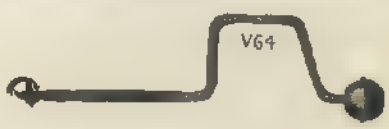
No. VG3 Short Valve Grinder.....each $0 55

LONG SHANK BRACE GRINDERS FOR FORD

No. VG2 Long Shank Brace Grinder for Ford. Fork end flexible and will reach all valves. Length, over all, 18 11/16 inches.

No. VG2 Long Shank Brace Grinder.....each $0 95

LONG SHANK BRACE GRINDER



No. VG4 Long Shank Brace Grinder for Ford. Has a swivel end with two prongs which can be used on valves of Ford cars. Length, over all, 18 3/16 inches.

No. VG4 Long Shank Brace Grinder.....each $1 25

WALDEN-WORCESTER SOCKET WRENCHES

WHEEL ASSEMBLY WRENCH FOR FORD

No. 1490 Wheel Assembly Wrench for Ford. A brace (speed wrench) with two sockets, each having two broached openings to take four parts, front hub cone and axle nut, hub cap and rear axle nut. Dimensions: extreme length, 18⅝ inches; 9/16-inch diameter; 6-inch leverage; 12-inch sweep; swivel handles on each end adjoining socket.

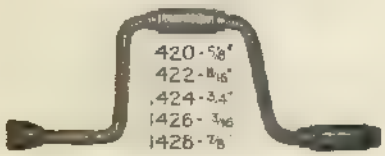
No. 1490 Wheel Assembly Wrench.....each $2 75

FOUR-SOCKET RIM WRENCH

No. 1452 Four-Socket Rim Wrench. Socket sizes, ⅝, 11/16, ¾ and ⅞ inch. Made of special steel, heat-treated. Can be used either as a speed wrench or offset. Individual sockets can be easily replaced.

No. 1452 Four-Socket Rim Wrench.....each $2 50

BRACE RIM WRENCHES



No. 1400 Series Brace Rim Wrenches. Single socket. 1925 models made heavy to meet any emergency.

No.	Size, In.	Each
1420	⅝	$1 10
1422	11/16	1 10
1424	¾	1 10
1426	13/16	1 10
1428	⅞	1 10

BRACE RIM WRENCHES

No. 1700 Series Brace Rim Wrenches. Not so heavily made as the No. 1400 series.

No.	Size, In.	Each
*1705	⅞	$0 50
1720	⅝	50
1722	11/16	50
1724	¾	50
1728	⅞	50

*Has deep socket.

Double Sockets

No. 1710 Brace Rim Wrench. ¾ and ⅞-inch sockets. Both sizes for Disteel wheels.

No. 1710 Brace Rim Wrench.....each $0 80

No. 1715 Brace Rim Wrench. ¾ and 1-inch sockets. Both sizes for Budd Michelin wheels.

No. 1715 Brace Rim Wrench.....each $0 80

SHORT SHANK SPEED WRENCH

No. 1115 Short Shank Speed Wrench. Is 14¼ inches over all and has 10-inch shank with two solid steel grips.

No. 1115 Short Shank Speed Wrench.....each $1 30

LONG SHANK SPEED WRENCH

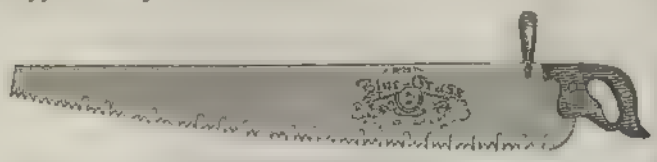
No. 1119 Long Shank Speed Wrench. Is 21 inches over all, has 10-inch shank with solid steel grips.

No. 1119 Long Shank Speed Wrench.....each $1 20

ONE MAN CROSS CUT SAWS

—BLUE GRASS—

Special steel, evenly tempered, polished and etched; filed and set, ready for use. Beechwood handle, varnished edges, one supplementary handle. Thin back.

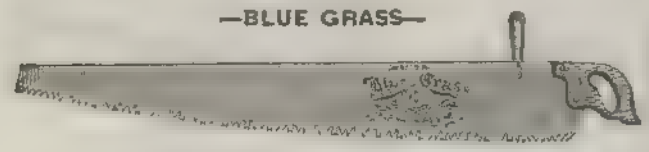


Great American Tooth.

Nos.	21-3	21-3½	21-4	21-4½
Length, ft	3	3½	4	4½
Wt each about, lbs	3¼	4	5	6
Each	$6 90	8 25	9 45	10 50

Twenty-five in wood case.

—BLUE GRASS—

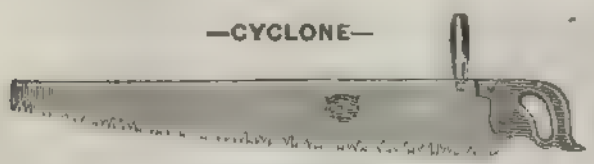


Tuttle Champion Tooth, Crown Point.

Nos.	20-3	20-3½	20-4	20-4½
Length, ft	3	3½	4	4½
Wt each about, lbs	3½	4	5	6
Each	$6 30	7 50	8 70	9 45

Twenty-five in wood case.

—CYCLONE—



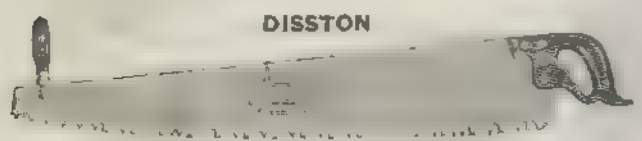
Tuttle-Champion Tooth. Crown Point.

Cast steel, tempered; polished and etched; filed and set, ready for use. Beechwood handles, plain sides and varnished edges, one supplementary handle; polished ferrule thin back.

Nos.	220-2½	220-3	220-3½	220-4	220-4½
Length, ft	2½	3	3½	4	4½
Wt each, lbs	3	3½	4	5	6
Each	$5 40	6 30	7 35	8 40	9 00

Twenty-five in wood case.

DISSTON



Champion Tooth.

First quality crucible steel, tempered, polished and etched; filed and set, ready for use. Beechwood handles, plain sides and varnished edges, one supplementary handle, polished ferrule; thin back.

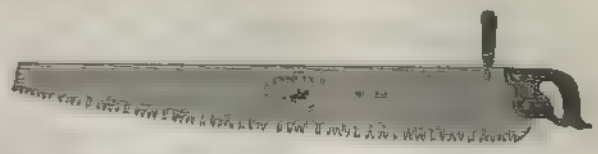
Nos.	DT-3	DT-3½	DT-4	DT-4½
Length, ft	3	3½	4	4½
Wt each, lbs	3½	4	5	6
Each	$8 10	9 00	10 20	11 40

Twenty-five in wood case.

ONE MAN CROSS CUT SAWS

ATKINS

Special steel, polished and etched; filed and set, ready for use. Beechwood handle, plain sides and varnished edges, one supplementary handle; polished ferrule; thin back.



Victor Tooth, Perforated.

Nos.	392-3	392-3½	392-4	392-4½
Length, ft	3	3½	4	4½
Wt each, lbs	3½	4	5	6
Each	$8 85	10 35	11 85	13 35

Twenty-five in wood case.

ATKINS

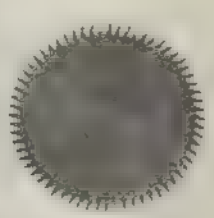
Tuttle Tooth.

Nos.	390-3	390-3½	390-4	390-4½
Length, ft	3	3½	4	4½
Wt each, lbs	3½	4	5	6
Each	$7 65	8 85	10 20	11 40

Twenty-five in wood case.

CORDWOOD SAWS

CURTISS SAW CO.



Cordwood Quality.

Diameter hole 1⅝ inches. These saws to be used on wood sawing machines shown in Dept. 2.

These saws are regularly supplied with 1⅝ inch mandrel hole, can furnish any other size mandrel hole without extra charges; shipment from factoy only.

Diam, ins	18	20	22	24	26
Gauge	13	13	12	11	11
Wt each, lbs	5	8	11	14	16
Each	✦$7 05	✦8 25	✦9 45	10 20	14 25

Diam, ins	28	30	32	34	36
Gauge	10	10	10	9	9
Wt each, lbs	20	25	30	36	40
Each	$15 75	17 25	✦19 50	✦27 00	✦30 00

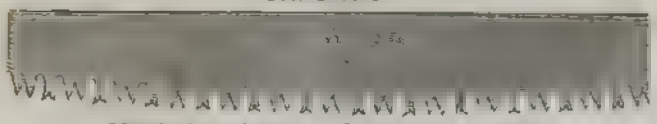
Crated.

✦F. O. B. Missouri Factory Only.

BROAD CROSS CUT SAWS

Handles must be ordered separate from the saws.

SIMONDS



Mississippi Pattern, Champion Tooth.

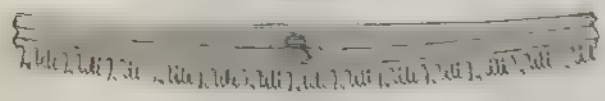
High grade crucible steel, crescent ground and tempered, polished and etched, filed and set, ready for use.

Fourteen gauge at tooth edge, 16 gauge on back at ends, 19 gauge on back at center; extra thin back.

Nos.	326-6	326-6½	326-7
Length, ft	6	6½	7
Width at center, ins	5⅞	6⅛	6⅜
Width at ends, ins	3¼	3¼	3¼
Wt each about, lbs	6½	7½	8⅛
Each	$23 25	26 70	30 00

Shipped fastened to board.

SIMONDS



Lance Tooth, Perforated.

High grade crucible steel, crescent ground and tempered, polished and etched, filed and set, ready for use.

14 gauge at tooth edge; 16 gauge on back at ends, 19 gauge on back at center; extra thin back.

Nos.	133-5½	133-6	133-6½
Length, ft	5½	6	6½
Width at center, ins	5½	5¾	6
Width at ends, ins	3¼	3¼	3¼
Wt each about, lbs	4½	5	5½
Each	$19 80	23 25	26 70

Shipped fastened to board.

NARROW CROSS CUT SAWS

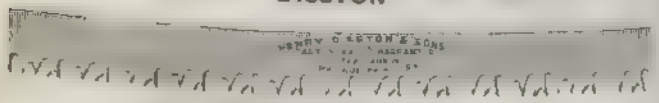
SIMONDS

Lance Tooth, Perforated. High grade crucible steel, evenly tempered, polished and etched; carefully filed and set, ready for use. Fourteen gauge at tooth; width at ends 3¼ ins.

Nos.	325-5	325-5½	325-6
Length, ft	5	5½	6
Width at center, ins	4⅛	4⅜	4⅝
Wt each about, lbs	3½	4	5
Each	$17 25	19 80	23 25

Shipped fastened to board.

DISSTON



Champion Tooth.

First quality crucible steel, evenly tempered, polished and etched; carefully filed and set, ready for use.

Fourteen gauge at tooth edge, width at ends and center 3¼ inches.

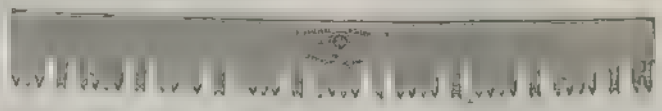
Nos.	286-5	286-5½	286-6
Length, ft	5	5½	6
Wt each about, lbs	3½	4	5
Each	$7 35	7 95	8 70

Shipped fastened to board.

NARROW CROSS CUT SAWS

Handles must be ordered separate from the saws.

ATKINS



Victor Tooth, Perforated.

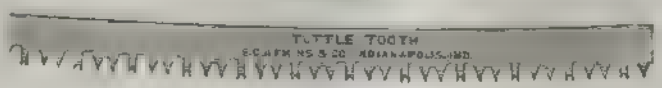
Special saw steel, thoroughly tempered, polished and etched filed and set, ready for use

Fourteen gauge at tooth edge, width at ends and center 3¼ inches.

Nos.	386-5	386-5½	386-6
Length, ft	5	5½	6
Wt each about, lbs	3½	4	4½
Each	$8 55	9 45	10 20

Shipped fastened to board.

ATKINS



Tuttle Tooth.

High grade saw steel, thoroughly tempered, polished and etched, ground gradually thinner from teeth to back, filed and set, ready for use.

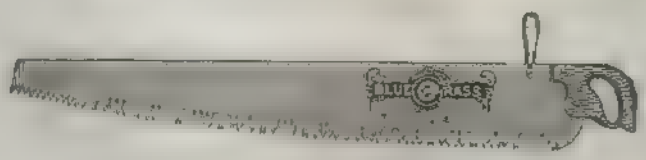
Fourteen gauge at tooth edge, width at ends and center 3¼ inches.

Nos.	379-5	379-5½	379-6	379-6½
Length, ft	5	5½	6	6½
Wt each about, lbs	3½	4	4½	5
Each	$7 35	7 95	8 70	9 45

Shipped fastened to board.

ONE MAN CROSS CUT SAWS

—BLUE GRASS—



Canadian Lance Tooth, Perforated.

Special steel, evenly tempered, polished and etched; filed and set, ready for use. Beechwood handle, varnished edges, one supplementary handle. Thin back.

Nos.	23-3	23-3½	23-4	23-4½
Length, ft	3	3½	4	4½
Wt each about, lbs	3½	4	5	6
Each	$6 30	7 50	8 40	9 15

Twenty-five in wood case.

BROAD CROSS CUT SAWS

Handles must be ordered separate from saws.

—BLUE GRASS—

Blue Grass Cross Cut Saws are made of the same extra quality materials and the same infinite care characterizes their production as with other Blue Grass tools.

The needs of the lumberman and the peculiarities of the different timbers have been carefully studied in order to make the Blue Grass Cross Cut saw a tool that in real use would respond readily and constantly to the demands of the user under any and all conditions.

A Blue Grass Cross Cut saws are ground an even gauge throughout the entire tooth edge and then tapered to an extra thin back, which insures quick cutting ease of operation, with just the right flexibility and stiffness to prevent buckling.

Each saw is beautifully polished and the set altogether a tool in a class by itself unequaled in appearance—unapproachable in performance, and covered from tip to tip with our guarantee.

Extra quality crucible spring steel, evenly tempered, polished and set ned. Ground gradually thinner from teeth to back, filed and set ready for use.

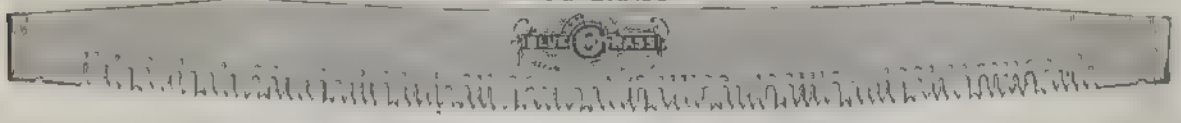
—BLUE GRASS—

Canadian, Lance Tooth, Perforated, 14 gauge at tooth edge, 19 gauge at center of back, extra thin back.

Nos.	6-5½	6-6	6-6½	6-7
Length, ft	5½	6	6½	7
Width at center, ins	6⅜	6½	6⅝	6¾
Width at ends, ins	3¼	3¼	3¼	3¼
Wt each about, lbs	5	6	7½	8½
Each	$16 05	17 25	18 75	19 80

Shipped fastened to board.

—BLUE GRASS—

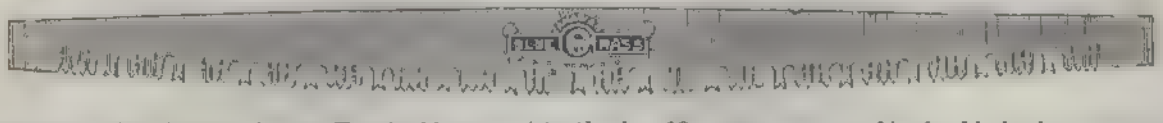


Rainbow, Canadian, Lance Tooth, Perforated, 14 gauge at tooth edge, 18 gauge at center of back, thin back.

Nos.	5-5½	5-6	5-6½
Length, ft	5½	6	6½
Width at center, ins	5⅝	6¼	6⅛
Width at ends, ins	3⅝	3¼	3¾
Wt each about, lbs	5	6	7½
Each	$15 75	16 80	18 00

Shipped fastened to board.

—BLUE GRASS—



Polished. Half Wide. Lance Tooth, 14 gauge at tooth edge, 18 gauge at center of back, thin back.

Nos.	16-5½	16-6	16-6½
Length, ft	5½	6	6½
Width at center, ins	5½	5⅝	5¾
Width at ends, ins	3	3⅛	3¼
Wt each about, lbs	6	7¼	8½
Each	$15 00	16 35	17 25

Shipped fastened to board.

—BLUE GRASS—

Lance Tooth, 14 gauge at tooth edge, 19 gauge at center of back, extra thin back.

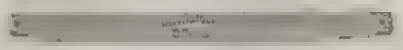
Nos.	1-5½	1-6	1-6½	1-7
Length, ft	5½	6	6½	7
Width at center, ins	6½	7	7¼	8
Width at ends, ins	3¼	3½	3½	3½
Wt each about, lbs	6½	7¼	8½	9½
Each	$13 20	14 40	15 75	16 80

Shipped fastened to board.

WOOD SAW BLADES

—BLUE GRASS—

Extra quality crucible spring steel, carefully tempered. Ground two gauges thinner on back than on cutting edge, set and filed ready for use.



Plain Tooth.

Per Doz

No. 46—Polished, plain tooth, breasted; width 2¼ ins; length 30 ins; wt per doz 7 lbs.....$19 50
One doz in paper

Per Doz

No. 47—Tuttle tooth, polished; width 2¼ ins; length 30 ins; wt per doz 7 lbs.....$22 20
One doz in paper.

Per Doz

No. 42—Coarse tuttle tooth, polished; width 2¼ ins; length 30 ins; wt per doz 7 lbs.....$24 75
One doz in paper.

—PINE KNOT—

Special quality crucible spring steel, thin back, ground and tempered, set and filed ready for use.

Plain Tooth.

Per Doz

No. 48—Polished, plain tooth, breasted; width 2 ins; length 30 ins; wt per doz 5½ lbs.....$13 35
One doz in paper.

Tuttle Tooth.

Per Doz

No. 48½—Polished, tuttle tooth, breasted; width 2 ins; length 30 ins; wt per doz 5½ lbs.....$15 75
One doz in paper

—BLUE RIBBON—

Plain Tooth.

Special quality crucible spring steel, tempered, set and filed, ready for use.

Per Doz

No. 60—Blued, plain tooth, straight; width 1¼ ins; length 30 ins; wt per doz 4 lbs.....$12 75
One doz in paper.

DISSTON, Plain Tooth.

Per Doz

No. 6—Special quality crucible spring steel, thin back, ground and tempered, set and filed ready for use. Polished, plain tooth; width 2½ ins; length 30 ins; wt per doz 5½ lbs.....$22 50
One doz in paper.

WOOD SAW RODS

CLIPPER

Per Doz

No. C22—Polished steel rods, malleable iron turnbuckle, with 5 in. swivel wire loops. Length 22 ins; diam ¼ in; wt per doz 5 lbs.....$3 60
Packed loose.

WOOD SAW RODS

TROJAN

Per Doz

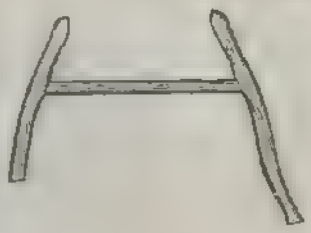
No. T-22—Tinned iron rods, malleable iron turnbuckle, with 5 in. swivel wire loops. Length 22 ins; diam 5/16 in; wt per doz 8 lbs.....$6 00
Packed loose.

DUPLEX

Per Doz

No. D22—Lacquered iron rods, malleable iron turn buckle, with 5 in. wire loops. Length 22 ins; diam ¼ in; wt per doz 6¼ lbs.....$9 45
One doz in box.

WOOD SAW FRAMES

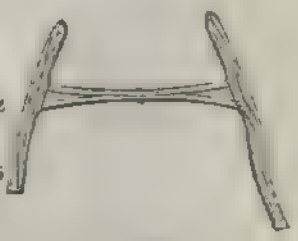


Straight Brace, hardwood, natural finish.

Per Doz

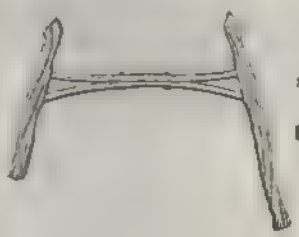
No. 50F—For 30 in. blade and 22 in. rod; wt per doz 50 lbs.....$15 00
Half doz in crate.

Single Rivet, hardwood, painted red.



Per Doz

No. 47F—For 30 in. blade and 22 in. rod; wt per doz 50 lbs.....$18 75
Half doz in crate.



Double Rivet.

Hardwood, brace painted red and uprights blue.

Per Doz

No. 46F—For 30 in. blade and 22 in. rod; wt per doz 50 lbs.....$21 00
Half doz in crate.

SAW BUCKS

Hardwood, natural finish, folding pattern with round braces, malleable iron brackets or stops, stationary center.

Per Doz

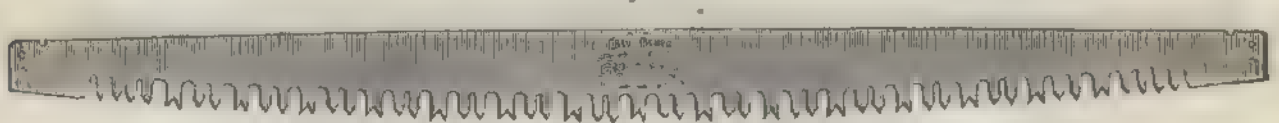
No. 1—Size uprights 28x2x1⅛ ins; width 12¼ ins; spread at base 23 ins; wt per doz 75 lbs.....$19 50
Half doz in crate.

BROAD CROSS CUT SAWS

Handles must be ordered separate from saws.

—BLUE GRASS—

Extra quality crucible spring steel, evenly tempered, etched. Ground gradually thinner from teeth edge to back; filed and set ready for use.

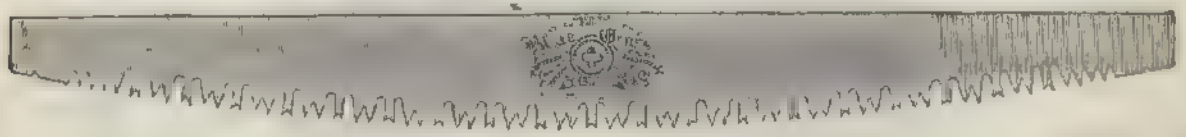


Polished. Half Wide. Diamond Tooth, 14 gauge at tooth edge, 18 gauge at center of back; thin back.

Nos.	14-5½	14-6	14-6½
Length, ft	5½	6	6½
Width at center, ins	5½	5⅝	5¾
Width at ends, ins	3	3⅛	3¼
Wt each about, lbs	5¼	6	6½
Each	$13 05	14 25	15 30

Shipped fastened to board.

—BLUE GRASS—



Polished. Tuttle Tooth.

Length, ft		5	5½	6	6½
Width at center, ins		6¾	6⅞	7	7⅛
Width at ends, ins		3	3¼	3¼	3½
Wt each about, lbs		5½	6	7⅛	8⅛
14-18 Gauge	Nos.	8-5	8-5½	8-6	8-6½
	Each	$10 05	10 95	12 00	13 20
14-19 Gauge	Nos.		9-5½	9-6	9-6½
	Each		$12 00	13 20	14 25
14-20 Gauge	Nos.		11-5½	11-6	11-6½
	Each		$14 25	15 75	16 65

Shipped fastened to board.

NARROW CROSS CUT SAWS

Handles must be ordered separate from saws.

—BLUE GRASS—

Extra quality spring steel, evenly tempered, etched, filed and set, ready for use. Designed for small timber.

Polished. Canadian Lance Tooth, perforated, width at ends and center 3¼ ins.

Length, ft		5	5½	6	6½
Wt each about, lbs		3	3¼	3½	4
14 Gauge throughout	Nos.	5-05	5-05½	5-06	5-06½
	Each	$7 05	7 95	9 00	9 75
14-16 Gauge, Thin Back	Nos.	6-05	6-05½	6-06	...
	Each	$8 40	9 00	9 60	...

—BLUE GRASS—

Polished. Tuttle Tooth, 14 gauge at tooth edge, width at ends and center 3¼ ins.

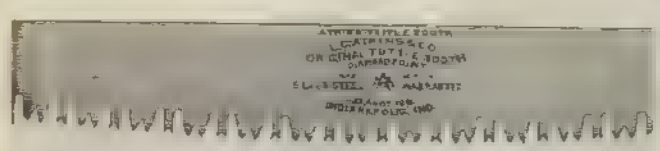
Nos.	0-5	0-5½	0-6
Length, ft	5	5½	6
Wt each about, lbs	3	3¼	3½
Each	$5 25	5 70	6 30

BROAD CROSS CUT SAWS

Handles must be ordered separate from saws.

ATKINS

High grade saw steel, thoroughly tempered, polished and etched, ground gradually thinner from teeth to back; filed and set, ready for use.



Tuttle Tooth.

Made from Atkins Silver Steel and ground extra thin back. 14 gauge at tooth edge, 20 gauge at center of back.

Nos.	517-5½	517-6
Length, ft	5½	6
Width at center, ins	6⅞	7
Width at ends, ins	3¼	3¼
Wt each, lbs	5	7
Each	$19 50	22 50

Shipped fastened to board.

ATKINS

Dexter Tooth Pointer, special steel, Dexter tooth, 14 gauge at tooth edge, 18 gauge at center of back; thin back.

Nos.	APD18-5½	APD18-6	APD18-6½
Length, ft	5½	6	6½
Width at center, ins	6⅛	7	7¾
Width at ends, ins.	3	3½	3½
Wt each about, lbs	6	7	8
Each	$15 00	16 50	18 00

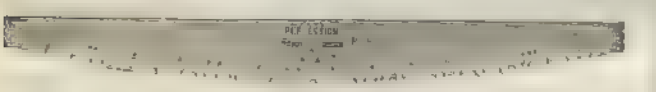
Shipped fastened to board.

Dexter Tooth, Moss Back—High grade special steel; Dexter tooth, 14 gauge at tooth edge, 18 gauge at center of back; thin back.

Nos.	276-5½	276-6	276-6½
Length, ft	5½	6	6½
Width at center, ins.	5⅞	6¼	6⅝
Width at ends, ins.	3⅝	3¾	3¾
Wt each, lbs	5¼	6½	7½
Each	$16 95	18 75	20 55

Packed loose; cutting edge protected with wood strip.

PERFECTION FALLING



Perfection Tooth, Perforated.

Silver steel perfection tooth, perforated, 14 gauge at toothed edge; 17 gauge at center of back; extra thin back.

Nos.	12-5	12-5½	12-6
Length, ft	5	5½	6
Width at center, ins	4½	4¾	5⅛
Width at ends, ins	3⅛	3¼	3¼
Wt each about, lbs	3¾	4½	5
Each	$16 50	19 50	22 50

Shipped fastened to board.

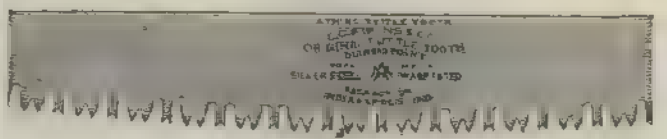
BROAD CROSS CUT SAWS

Handles must be ordered separate from saws.

ATKINS

High grade saw steel, thoroughly tempered, polished and etched, ground gradually thinner from teeth to back; filed and set, ready for use.

ATKINS



Tuttle Tooth—Made from special steel and ground thin; back as illustrated below.

Length, ft	5	5½	6	6½
Width center, ins	6¾	6⅞	7	7⅛
Width ends, ins.	3	3⅛	3¼	3½
Wt each, lbs	4¾	5	7	8
14-19 Gauge Nos.	....	332-5½	332-6	332-6½
14-19 Gauge Each	....	$15 00	16 20	17 25
14-18 Gauge Nos.	331-5	331-5½	331-6	331-6½
14-18 Gauge Each	$12 60	13 80	15 00	16 50
14-20 Gauge Nos.	332½-5	332½-5½	332½-6	332½-6½
14-20 Gauge Each	$14 55	16 20	17 25	18 75

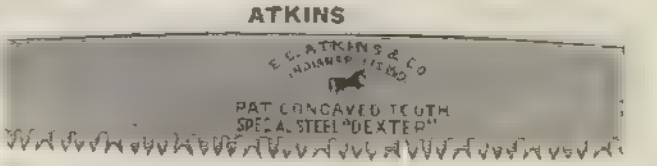
Shipped fastened to board.

Tuttle Tooth—Hero, special steel, Tuttle tooth, 14 gauge at tooth edge, 18 gauge at center of back; thin back.

Nos.	AHT18-5½	AHT18-6	AHT18-6½
Length, ft	5½	6	6½
Width at center, ins	6⅞	7	7⅛
Width at ends, ins	3¼	3¼	3½
Wt each about, lbs	5	7	8
Each	$12 00	13 20	14 25

Shipped fastened to board.

ATKINS



Dexter Tooth—Special steel, Dexter tooth, 14 gauge at tooth edge, 19 gauge at center of back; extra thin back.

Nos.	220A-5½	220A-6	220A-6½	220A-7
Length, ft	5½	6	6½	7
Width at center, ins	6½	7	7¾	8
Width at ends, ins	3½	3½	3½	3½
Wt each about, lbs	6	7	8½	10
Each	$16 20	17 70	19 20	21 00

Shipped fastened to board.

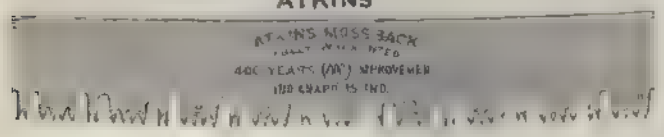
BROAD CROSS CUT SAWS

Handles must be ordered separate from saws.

ATKINS

High grade saw steel, Atkins tempered, polished and etched, ground gradually thinner from teeth to back, filed and set, ready for use.

ATKINS

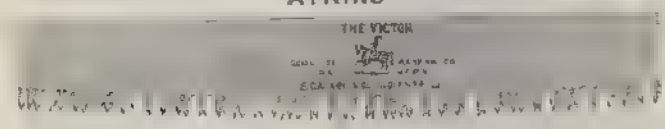


Lance Tooth, Perforated, Moss Back—Special nickel steel, lance tooth, perforated, diamond point, 14 gauge at tooth edge, 18 gauge at center of back; thin back.

Nos.	278-5½	278-6	278-6½	278-7
Length, ft	5½	6	6½	7
Width at center, ins	6¾	6¾	6¾	6¾
Width at ends, ins	3⅝	3¾	3¾	3¾
Wt each about, lbs	5	6	7	7½
Each	$16 95	18 75	20 55	22 20

Shipped fastened to board.

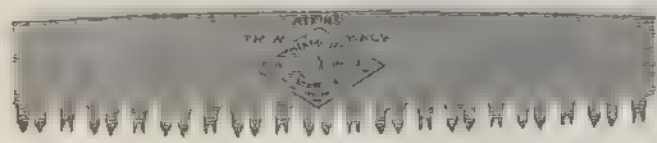
ATKINS



Victor Tooth, Perforated—Special steel, Victor tooth, perforated, 14 gauge at tooth edge, 18 gauge at center of back. Thin back.

Nos.	225-5½	225-6	225-6½
Length, ft	5½	6	6½
Width at center, ins	6¼	6¼	6¼
Width at ends, ins	4	4	4
Wt each about, lbs	5	6	7
Each	$17 55	19 05	20 70

Shipped fastened to board



Diamond Tooth—Special steel, diamond tooth, 14 gauge at tooth edge, 18 gauge at center of back; thin back.

Nos.	222-5½	222-6	222-6½
Length, ft	5½	6	6½
Width at center, ins	6½	7	7⅛
Width at ends, ins	8¼	8⅛	8¼
Wt each about, lbs	5	6	6½
Each	$15 00	16 50	17 70

Shipped fastened to board.

ATKINS

Diamond Tooth, Lone Star—Special steel, diamond tooth, 14 gauge at tooth edge, 18 gauge at center of back, thin back.

Nos.	223-5½	223-6	223-6½
Length, ft	5½	6	6½
Width center, ins	5½	5⅝	5¾
Width ends, ins	3	3	3
Wt each about, lbs	5	6	6½
Each	$15 00	16 50	17 70

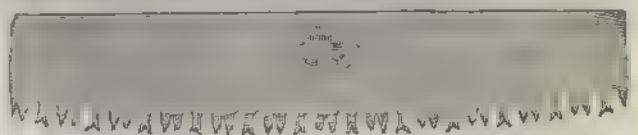
Shipped fastened to board.

BROAD CROSS CUT SAWS

Handles must be ordered separate from saws.

SIMONDS

High grade crucible steel; **radial** ground and tempered; polished and etched; filed and set ready for use.

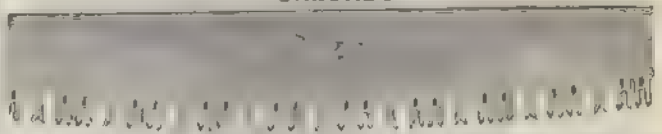


Champion Tooth—14 gauge at tooth edge, 16 gauge on back at ends, 19 gauge on back at center; extra thin back.

Nos.	13-5	13-5½	13-6
Length, ft	5	5½	6
Width at center, ins	6	6⅝	7
Width at ends, ins	3¼	3¼	3¼
Wt each about, lbs	5¾	6	7½
Each	$17 25	18 80	23 25

Shipped fastened to board.

SIMONDS



Lance Tooth, Perforated—14 gauge at tooth edge, 16 gauge on back at ends, 19 gauge on back at center; extra thin back.

Nos.	22-5½	22-6	22-6½	22-7
Length, ft	5½	6	6½	7
Width at center, ins	6⅝	7	7⅜	7⅝
Width at ends, ins	3¼	3¼	3½	3¼
Wt each about, lbs	5½	7¼	8½	9½
Each	$19 80	23 25	26 70	30 00

Shipped fastened to board.

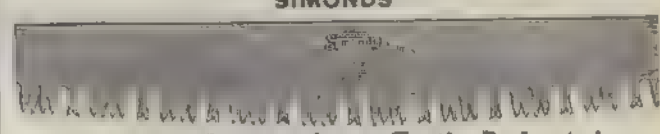
Mississippi Pattern, Diamond Tooth.

Fourteen gauge at tooth edge, 16 gauge on back at ends, 19 gauge on back at center; extra thin back.

Nos.	316-5½	316-6	316-6½	316-7
Length, ft	5½	6	6½	7
Width at center, ins	5⅝	5⅞	6¼	6⅝
Width at ends, ins	3¼	3¼	3¼	3¼
Wt each about, lbs	5	6	7	8
Each	$19 80	23 25	26 70	30 00

Shipped fastened to board.

SIMONDS



Mississippi Pattern, Lance Tooth, Perforated.

Fourteen gauge at tooth edge, 16 gauge on back at ends; 19 gauge on back at center; extra thin back.

Nos.	324-5½	324-6	324-6½	324-7
Length, ft	5½	6	6½	7
Width at center, ins	5	5⅛	6¼	
Width at ends, ins	3¼	3¼		
Wt each about, lbs	5	6		
Each	$19 80	23 25		

Shipped fastened to board.

D 1

CROSS CUT SAW HANDLES

—BLUE GRASS—

Selected beechwood handle, thoroughly seasoned, 2¾ inch japanned malleable iron clasp, XC bolt and thumb nut.

Per 100 Pair

No. 47—Reversible, length 15½ ins; diam 1¼ ins.....$127 80

Fifty pair in wood box; wt per pair 1⅝ lbs.

—BLUE GRASS—

Selected beechwood handle, thoroughly seasoned, heavy japanned malleable iron bell ferrule and revolving washer; steel loop with 4½ inch slot.

Per 100 Pair

No. 48 Length 12 ins; diam 1¼ ins.....$137 70

Fifty pair in wood box; wt per pair 2 lbs.

—BLUE GRASS—

Selected beechwood handle, thoroughly seasoned; plain finish; japanned malleable iron clasp; steel bolt and malleable thumb nut.

Per 100 Pair

No. 45—Reversible; length 14 ins; diam 1¼ ins.....$142 50

Fifty pair in wood box; wt per pair 1¾ lbs.

—BLUE GRASS—

Selected beechwood handle, thoroughly seasoned; plain finish; revolving washer; steel loop, with 3⅜ in. slot; malleable nut forms end cap, steel ferrule.

Per 100 Pair

No. 46—Length 11½ ins; diam 1⁵⁄₁₆ ins..$172 50

Fifty pair in wood box; wt per pair 1½ lbs.

—PINE KNOT—

Selected hardwood handle, thoroughly seasoned, black japanned cast iron ferrule and washer; malleable iron loop with 4 inch slot.

Per 100 Pair

No. 40—Length 13 ins, diam 1½ ins.....$120 00

Fifty pair in wood box; wt per pair 1 lb.

CLIMAX PATTERN

Hardwood handle, thoroughly seasoned, 2⅝ inch plain malleable iron clasp, malleable bolt, lock rivet and thumb nut.

Per 100 Pair

No. 7—Reversible; length 13 ins; diam 1¼ ins.....$91 50

100 pair in wood box; wt per pair 1½ lbs.

CROSS CUT SAW HANDLES

Hardwood handle, thoroughly seasoned, heavy japanned bell ferrule, and notched, revolving washer; malleable iron loop with 4¼ inch slot.

Per 100 Pair

No. 8—Length 10½ ins, diam 1¾ ins.....$132 00

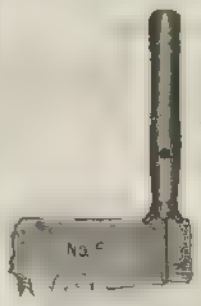
100 pair in wood box; wt per pair 2 lbs.

Hardwood handle, thoroughly seasoned; malleable iron ferrule, bracket and thumb nut, malleable iron loop with 4¼ inch slot.

Per 100 Pair

No. 5—Length 14 ins, diam 1¼ ins.....$150 00

Fifty pair in wood box; wt per pair 2 lbs.



Hardwood handle, thoroughly seasoned malleable iron ferrule and revolving washer malleable iron loop with 4¼ inch slot.

Per 100 Pair

No. 6—Length 10 ins; diam 1¼ ins.....$111 00

One hundred and fifty pair in wood box; wt per pair 1¼ lbs.

ATKINS

Selected hardwood handle, thoroughly seasoned; plain finish; japanned malleable iron clasp; steel bolt and malleable thumb nut.

Per 100 Pair

No. 22—Reversible; length 14 ins; diam 1¼ ins.....$141 00

Fifty pair in wood box; wt per pair 1¾ lbs.

CROSS CUT SAW HANDLES

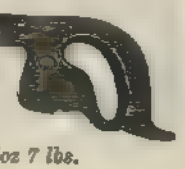
One Man, Supplementary.

Per Doz

No. 6-1M—Beechwood handle, varnished, malleable iron ferrule, shank and hook with rivet length 6 ins.....$6 00

One doz in cardboard box; wt per doz 4 lbs.

One Man, Regular.



Per Doz

No. 2-0M—Beechwood, plain sides and varnished edges, not bored and without screws; length 8½ ins.....$8 70

One doz in cardboard box; wt per doz 7 lbs.

Williams' Drop Forged Steel Wrenches

Single Head Socket Wrenches

Straight Pattern

With or Without Pin-Handle

Hexagon Opening

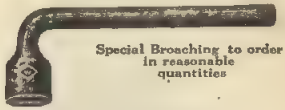
No	For U. S. Standard Nut, Size Bolt	For Cap Screw, Diam. Screw	For S.A.E. Standard Screw and Nut	Broached Opening Across Flats	Extreme Length	Semi-finished Without Pin Hndl	Semi-finished With Pin Hndl
961A	1/8			11/64	4 1/4	$0.60	$0.80
962D		3/16		25/64	4 1/2	.66	.88
963A	3/16			27/64	4 7/8	.72	.98
963D		1/4	1/4	29/64	4 7/8	.72	.98
964A	1/4	5/16	5/16	7/32	5 3/4	.78	1.04
965D		3/8	3/8	37/64	5 3/8	.88	1.16
965A	5/16			39/64	5 3/4	.88	1.16
966D		7/16	7/16	41/64	6 1/4	.96	1.26
967A	3/8			43/64	6 1/2	1.08	1.42
967D		1/2	1/2	49/64	6 1/2	1.08	1.42
968A	7/16			55/64	7	1.20	1.54
968D		9/16		29/32	7	1.20	1.54
969A	1/2	5/8	5/16	47/64	7 1/4	1.38	1.74
970S			3/8	51/64	7 7/8	1.56	1.96
970A	9/16			55/64	7 7/8	1.56	1.96
970D		3/4	7/16	1 1/64	7 7/8	1.56	1.96
971A	5/8		3/4	1 5/64	8 1/4	1.80	2.30
971D		7/8		1 3/32	8 1/2	1.80	2.30
973A	3/4	1	7/8	1 9/32	9 1/8	2.40	3.00
974D		1 1/8		1 3/8	9 1/2	2.70	3.40
975A	7/8			1 7/16	10	3.00	3.70
975D		1 1/4	1	1 1/2	10	3.00	3.70
976A	1	1 1/8	1 1/8	1 21/32	10 3/4	3.44	4.24
977A	1 1/8		1 1/4	1 7/8	10 3/4	3.90	4.80
978A	1 1/4		1 3/8	2 1/32	11 3/4	4.80	5.70
979A	1 3/8		1 1/2	2 1/8	11 3/4	6.30	7.30
980A	1 1/2			2 1/2	12 1/2	8.40	9.70

Square Openings

960H			3/16	1/4	5/8	3 1/4	$0.54	$0.70
961H			1/4	5/16	3/4	4 1/4	.60	.80
961J			1/4	17/64	3/4	4 1/4	.60	.80
962H			5/16	21/64	7/8	4 1/2	.66	.88
963H		1/4	3/8	25/64	1 1/16	4 7/8	.72	.98
965H		5/16	7/16	29/64	7/8	5 3/4	.88	1.16
966H	1/4	3/8	1/2	33/64	1	6 1/4	.96	1.26
967H	5/16		9/16	37/64	1 1/16	6 1/2	1.08	1.42
967X				39/64	1 1/16	6 1/2	1.08	1.42
968H		1/2	5/8	41/64	1 1/4	7	1.20	1.54
968P	3/8	9/16		45/64	1 1/4	7	1.20	1.54
969H		5/8	3/4	49/64	1 5/16	7 3/4	1.38	1.74
970X	7/16			51/64	1 3/8	7 7/8	1.56	1.96
971H	1/2	3/4	7/8	57/64	1 1/2	8 1/2	1.80	2.20
971X	9/16			63/64	1 5/8	8 1/2	1.80	2.20
973H				1 1/64	1 3/4	9 1/4	2.40	3.00
974X	5/8			1 1/64	2	9 1/2	2.70	3.40
974H		7/8	1 1/8	1 3/32	2	9 1/2	2.70	3.40
976H	3/4	1	1 1/4	1 5/32	2 1/4	10 3/4	3.44	4.24
977X		1 1/8		1 1/4	2 1/4	10 3/4	3.90	4.80
977P				1 1/4	2 1/2	10 3/4	3.90	4.80
978P	1	1 1/8		1 21/32	2 3/4	11 3/4	4.80	5.70
979X	1 1/8			1 3/32	3	11 3/4	6.30	7.80
980X	1 1/4			2 1/32	3 1/4	12 1/2	8.40	9.70

Single Head Socket Wrenches

Offset Pattern



Special Broaching to order in reasonable quantities

Wrenches of shorter or longer lengths than stated in table can be furnished to order in quantities.

Hexagon Openings

No.	For U S Standard Nut; Size Bolt	For Cap Screw; Diam. Screw	For S.A.E. Standard Screw and Nut	Broached Opening Across Flats	Diam. of Head	Extreme Lgth.	Price Semi-Finished
261A	1/8			7/64	1/4	3 3/8	$0.60
262D		1/16		9/64	3/8	3 3/8	.66
263A	3/16			27/64	1/16	4 1/8	.72
263D		1/4	1/4	29/64	11/16	4 5/8	.72
264A	1/4	5/16	5/16	33/64	3/4	5 1/8	.78
265D		3/8	3/8	37/64	7/8	5 7/8	.88
265A	5/16			39/64	7/8	5 7/8	.88
266D		7/16	7/16	41/64	1	6 1/4	.96
267A	3/8			49/64	1 1/8	6 3/4	1.08
267D		1/2	1/2	49/64	1 1/8	6 3/4	1.08
268A	7/16			51/64	1 1/4	7 1/8	1.20
268D		9/16		55/64	1 1/4	7 1/8	1.20
269A	1/2	5/8	5/16	57/64	1 3/8	8 1/8	1.38
270S			3/8	61/64	1 3/8	9 1/8	1.56
270A	9/16			65/64	1 1/2	9 1/8	1.56
270D		3/4	7/16	1 1/64	1 1/2	9 1/8	1.56
271A	5/8		3/4	1 5/64	1 5/8	10	1.80
271D		7/8		1 7/64	1 5/8	10	1.80
273A	3/4	1	7/8	1 9/32	1 7/8	11 1/4	2.40
274D		1 1/8		1 11/32	2	12 1/4	2.70
275A	7/8		1	1 15/32	2 1/4	13 1/4	3.00
275D		1 1/4		1 1/2	2 1/8	13 1/4	3.00
276A	1	1 1/8	1 1/8	1 21/32	2 1/4	14 3/4	3.44
277A	1 1/8		1 1/4	1 27/32	2 1/2	16 1/4	3.90
278A	1 1/4		1 3/8	2 1/32	2 3/4	18 1/4	4.80
279A	1 3/8		1 1/2	2 1/8	3	20	6.30
280A	1 1/2			2 1/2	3 1/4	21 3/4	8.40

Square Openings

260H	1/4			5/16	5/8	2 3/4	$0.54
261H	5/16			13/64	3/4	3 3/8	.60
261J	5/16			17/64	3/4	3 3/8	.60
262H	3/8			21/64	7/8	3 7/8	.66
263H	1/2	1/4		29/64	1 1/16	4 5/8	.72
265H	7/16	5/16		37/64	7/8	5 7/8	.88
266H	1/2	3/8	1/4	33/64	1	6 1/4	.96
267H	5/8	7/16		37/64	1 1/8	6 3/4	1.08
267X			5/16	39/64	1 1/8	6 3/4	1.08
268H		1/2		45/64	1 1/4	7 1/2	1.20
268P		9/16	3/8	45/64	1 1/4	7 1/4	1.20
269H	3/4	5/8		49/64	1 3/8	8 1/8	1.38
270X			1/2	53/64	1 1/2	9 1/8	1.56
271H	7/8	3/4	5/8	29/32	1 5/8	10	1.80
271X			9/16	57/64	1 5/8	10	1.80
273H	1			1 1/64	1 3/4	11 1/4	2.40
274X			3/4	1 5/64	2	12 1/4	2.70
274H	1 1/8	7/8		1 5/32	2	12 1/4	2.70
276H	1 1/4	1	7/8	1 5/16	2 1/4	14 1/4	3.44
277N		1 1/8		1 1/4	2 1/2	16 1/2	3.90
277X			7/8	1 1/4	2 1/2	16 1/2	3.90
277P		1 1/4		1 1/4	2 1/2	16 1/2	3.90
278P		1 3/8	1	1 21/32	2 3/4	18 1/4	4.80
279X			1 1/8	1 27/32	3	20	6.30
280X			1 1/4	2 1/32	3 1/4	21 3/4	8.40

Williams' Drop Forged Steel Wrench Sets

Standard Automotive Sets Nos. 5-S

No.	For U. S. Std. Nuts; Size Bolt	For Hex. Head Cap Screws; Diam. Screw	For S. A. E. Std. Nut and Cap Screws; Size Bolt	Openings Milled	Extreme Length	Thickness Heads	PRICE Semi-finished	PRICE Finished
725	¼	¼ and 5/16	¼ and 5/16	7/32 and 1/2	4 7/8	5/32	$ .50	$ .76
727		3/8 and 7/16	3/8 and 7/16	9/32 and 5/8	5 5/8	3/16	.62	.92
731A	½	½ and 9/16	½ and 9/16	5/8 and 3/4	7 3/4	13/32	.90	1.36
33C		¾	5/8 and 11/16	11/16 and 1	8 1/4	7/16	1.10	1.70
37	5/8 and ¾	1	¾ and 7/8	11/16 and 1 1/4	11 1/16	5/8	1.92	2.80
Canvas Roll, $1.00 Extra ..... Price of set							5.04	7.54

Carriage Makers' Set No. 1, "Light"

No.	For Manufacturers' Std. Nuts; Size Bolt	For U. S. Std. Nuts; Size Bolt	For Hex Head Cap Screws; Diam. Screw	For S. A. E. Std. Nuts and Cap Screws; Size Bolt	Openings Milled	Extreme L'gth	PRICE Semi-finished	PRICE Finished
75	3/16 and ¼	5/16 and ¼	5/16	5/16	15/64 and 1/2	6 1/4	$ .54	$ .76
77	¼ and 5/16	¼	5/16 and 7/16	5/16 and 7/16	½ and 5/8	7 1/4	.68	.94
79	5/16 and 3/8	5/16	⅜	⅜	5/8 and 11/16	8 1/4	.86	1.16
81	3/8 and 7/16	⅜			11/16 and 27/32	9 1/4	1.10	1.4
83	7/16 and ½			7/16	27/32 and 15/16	10 1/4	1.40	1.80
Canvas Roll, $0.80 Extra ..... Price of set							$4.58	$6.10

S. A. E. Standard (Automobile) Set No. 2-S

No.	For U. S. Std. Nuts; Size Bolt	For Hex Head Cap Screws; Diam. Screw	For S. A. E. Std. Nuts and Cap Screws; Size Bolt	Openings Milled	Extreme L'gth	Thickness Heads	PRICE Semi-finished	PRICE Finished
77S	¼	¼ and 5/16	¼ and 5/16	7/32 and 1/2	7 1/4	5/32	$ .68	$ .94
79S		5/16 and ⅜	5/16 and ⅜	5/16 and 5/8	8 1/4	3/16	.86	1.16
81A	½	½ and 9/16	½ and 9/16	⅜ and 5/8	9 1/4	7/32	1.10	1.44
83A		¾	5/8 and 11/16	11/16 and 1	10 3/4	1/4	1.40	1.80
85C	5/8 and ¾	1	¾ and 7/8	11/16 and 1 1/4	12	5/16	2.00	2.60
Canvas Roll, $1.00 Extra ..... Price of set							$6.04	$7.94

Textile Machinery Set No. 45S, 22½° Angle Wrenches

For 47 Most Popular Openings in U. S., S. A. E. and A. L. A. M. Standards of Nuts and Cap Screws

No.	For U. S. Std. Nuts; Size Bolt	For Hex Head Cap Screws; Diam. Screw	For S. A. E. Std. Nuts and Cap Screws; Size Bolt	Openings Milled	Extreme Length	Thickness Heads	PRICE Semi-finished	PRICE Finished
760Y	¼	¼ and 5/16	¼ and 5/16	7/32 and 1/2	4 3/8	1/4	$ .50	$ .76
761Z		3/8 and 7/16	3/8 and 7/16	5/16 and 5/8	5 3/4	5/16	.62	.92
763Y	½	½ and 9/16	½ and 9/16	⅜ and 5/8	8 1/4	7/16	1.06	1.56
764Z		¾	5/8 and 11/16	11/16 and 1	9 3/8	1/2	1.44	2.10
765A	5/8 and ¾	1	¾ and 7/8	11/16 and 1 1/4	11	5/16	1.92	2.80
Canvas Roll, $1.00 Extra. ..... Price of set							$5.54	$8.14

Automobile Sets, "Duplex," No. 9

No	For U. S. Std. Nuts; Size Bolt	For Hex Head Cap Screws; Diam. Screw	For S. A. E. Std. Nuts and Cap Screws; Size Bolt	Openings Milled	Extreme Length	PRICE Semi-finished	PRICE Finished
725	¼	¼ and 5/16	¼ and 5/16	7/32 and 1/2	4 3/8	$ .50	$ .76
25	¼ and 5/16	5/16	5/16	½ and 19/32	4 7/8	.50	.76
27C	3/8	3/8	3/8	5/16 and 11/16	5 7/8	.62	.92
28S	7/16	7/16	7/16	3/8 and 25/32	6 3/8	.74	1.12
731A	5/8	½ and 9/16	5/8 and 9/16	3/8 and 5/8	7 3/4	.90	1.36
34	½ and 5/8	5/8	5/8 and ¾	5/8 and 11/16	9 3/4	1.36	2.16
736	¾	¾ and 1	11/16 and ¾	1 and 1 1/4	11 1/2	1.92	2.80
Canvas Roll, $1.25 Extra ..... Price of set						$6.54	$9.88

Williams' Drop Forged Steel Wrenches

Structural Wrenches
Straight Opening

The offset in handle provides for clearance of obstructions and safety for the hands of operator.
The tang is for bringing bolt holes into line.

No.	For U S Standard Nut; Size Bolt	Opening	Extreme Length	Thickness Head	Handle Offset	Price Unfinished	Price Hardened
901	1/4	17/32	8	3/8	1 3/16	$ .66	$ .80
902	5/16	5/8	8	5/8	1 3/16	.66	.80
903	3/8	3/4	9 1/2	7/16	3/8	.80	1.04
904	7/16	15/16	9 1/2	7/16	3/8	.80	1.04
905	1/2	29/32	11	1/2	1	1.04	1.40
906	5/8	1	11	1/2	1	1.04	1.40
907	5/8	1 3/16	13	9/16	1 1/16	1.48	1.96
908	3/4	1 13/64	15	5/8	1 1/4	2.04	2.68
909	7/8	1 1/2	17	11/16	1 5/16	2.80	3.60
910	1	1 15/16	19	3/4	1 3/8	3.80	5.00
910A	1 1/4	1 7/8	19	3/4	1 3/8	3.80	5.00
911	1 3/8	1 7/8	21	7/8	1 1/2	6.00	7.50
912	1 1/4	2 1/2	21	7/8	1 1/2	6.00	7.50

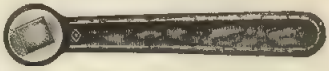
Hexagon Box Wrenches
15 Degree Angle, Single Head

No.	For U.S. Standard Nut; Size Bolt	Short Diameter Opening Inched	Extreme Length	Head Thickness	Head Outside Diameter	Price Semi-finished
800	5/16	13/32	3 1/2	3/8	3/4	$0.36
801	3/8	3/4	4	1/2	29/32	.42
802	7/16	59/64	4 3/4	5/8	1 5/16	.50
803	1/2	15/16	5 1/2	5/8	1 3/4	.58
804	5/8	1 1/16	6 7/8	11/16	1 3/8	.70
805	3/4	1 7/32	7 3/4	13/16	1 1/2	.84
806	7/8	1 29/64	8 1/2	7/8	1 5/8	1.00
807	1	1 5/8	9 1/2	15/16	1 3/4	1.24
808	1 1/4	1 17/64	11 1/2	9/16	2 1/4	1.56
809	1 3/8	1 29/64	13 3/8	21/32	2 1/8	2.08
810	1	1 31/32	15 1/4	3/4	2 3/8	2.50
811	1 1/8	1 27/32	17 1/8	13/16	2 5/8	3.70
812	1 1/4	2 1/32	19	15/16	3 1/4	4.50
813	1 3/8	2 5/16	21	1	3 1/2	6.00
814	1 1/2	2 15/32	23	1 1/16	3 3/4	7.50
815	1 5/8	2 19/32	25	1 1/8	4	9.50
816	1 3/4	2 25/32	27	1 1/4	4 1/4	12.50
817	2	3 5/16	30 1/2	1 3/8	4 3/4	17.00
818	2 1/4	3 15/16	34	1 1/2	5 1/4	22.00
819	2 1/2	3 29/64	38	1 5/8	5 7/8	29.00
819A	2 3/4	4 1/64	42	1 3/4	6 1/2	37.00
820	3	4 45/64	46	1 7/8	7	50.00

Construction Wrenches
15 Degree Angle

No.	For U.S. Standard Nut Size Bolt	Opening Milled	Extreme Length	Thickness Head	Price Unfinished	Price Hardened
201	1/4	1/4	8	5/8	$0.56	$0.70
202	5/16	19/64	8	3/8	.56	.70
203	3/8	11/16	9 1/2	7/16	.70	.90
204	7/16	25/32	9 1/2	7/16	.70	.90
205	1/2	7/8	11	1/2	.80	1.15
206	9/16	31/32	11	1/2	.90	1.15
207	5/8	1 1/16	13	9/16	1.24	1.60
208	3/4	1 5/16	15	5/8	1.72	2.20
209	7/8	1 7/8	17	11/16	2.36	3.00
210	1	1 5/8	19	3/4	3.20	4.20
211	1 1/4	1 15/16	21	7/8	4.40	6.00
212	1 1/2	2	21	7/8	4.40	6.60

Square Box Wrenches
22½° Angle, Single Head



No.	For Set Screw; Size	Extreme Length	Head Thickness	Head Outside Diam	Price Semi-finished	Price Finished
580	3/16	3	1/4	1/2	$0.30	$0.46
581	1/4	3 1/2	5/16	5/8	.34	.54
582	5/16	3 3/4	5/16	11/16	.40	.62
583	3/8	4 1/4	3/8	3/4	.48	.70
584	7/16	4 5/8	7/16	31/32	.56	.80
585	1/2	5 1/2	1/2	1 1/16	.68	.96
586	5/8	6 1/4	5/8	1 1/4	.82	1.16
587	3/4	7	3/4	1 3/8	1.00	1.40
588	7/8	8	7/8	1 5/8	1.24	1.70
589	1	9	1	1 25/32	1.62	2.20
590	1	10	1	2	2.10	2.80

Double Head Tool Post Wrenches
For Set Screws

These wrenches are equally adaptable for use on cup screws.

No	Open End for Set Screw; Size	Closed End for Set Screw, Size	Extreme Length	Thickness Heads	Price Semi-finished
554	7/16	7/16	5 1/2	1/2 & 1/2	$1.13
555	1/2	1/2	6	5/16 & 5/16	1.24
555B	5/16	1/2	6	5/16 & 5/16	1.24
555C	5/16	5/16	6	5/16 & 5/16	1.24
556	5/8	5/8	7	5/8 & 5/8	1.44
556B	11/16	5/8	7	5/8 & 5/8	1.44
556C	11/16	11/16	7	5/8 & 5/8	1.44
557	3/4	3/4	7 5/8	11/16 & 11/16	1.64

Williams' Drop Forged Steel Wrench Sets

Original "Extra Capacity" Set, "Big Six," No. 4

No.	For U. S Std. Nuts Size Bolt	For Hex Head Cap Screws, Diam Screw	For S. A. E. Std. Nuts and Cap Screws, Size Bolt	Openings Milled	Extreme L'gth	Thickness Heads	PRICE Semi-finished	PRICE Finished
725	¼	¼ & 5/16	¼ &				$ .60	$ .76
27C	5/16	3/8					.62	.92
28	3/8 & 7/16						.74	1.12
729		7/16 & ½	7/16 & 1/2				.74	1 12
34	½ & 9/16	9/16 & 5/8	9/16 & 5/8				1 36	2.16
736	5/8	5/8 & 1	11/16 & 7/8	1 & 1 1/16	11 1/16	5/16	1.92	2.80
Canvas Roll, $1 00 extra						Price of Set	$5.88	$ 88

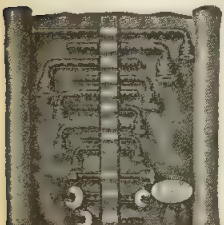
"Extra Capacity" Garage, Etc., Set, "Big Ten," No. 10

No	For U S Std Nuts Size Bolt	For Hex Head Cap Screws; Diam Screw	For S A E Std Nuts and Cap Screws; Size Bolt	Openings Milled	Extreme Length	PRICE Semi-finished	PRICE Finished
721	1/8	1/8 & 5/16		5/16 & 3/8	3½	$ .34	$ .52
24	5/16 & 3/8	5/16	5/16	13/32 & 7/16	4	.42	.64
725A		1/4 & 5/16	1/4 & 5/16	1/2 & 9/16	1 7/8	.58	.76
27	7/16 & 1/2			5/8 & 11/16	5 5/8	.62	.92
729		7/16 & 1/2	7/16 & 1/2	3/4 & 13/16	6 7/8	.74	1.12
731B	9/16 & 5/8	9/16 & 5/8	9/16 & 5/8	7/8 & 15/16	7 7/8	.90	1.36
32	11/16 & 3/4			1 & 1 1/16	8 3/4	1.10	1.70
33C		3/4	3/4 & 11/16	1 1/16 & 1	8 3/4	1.10	1.70
737	3/4	7/8 & 1	7/8 & 1	1 1/8 & 1 1/4	11 1/8	1.92	2.80
35	7/8 & 15/16		1/8 & 1	1 5/16 & 1 7/16	11 1/2	2.80	3.80
Canvas Roll $1 75 extra					Price of Set	$10 44	$15.32

"Extra Capacity" Set, "Thin Six," No. 34

With openings from most popular U. S. Standard nuts and cap screws

No.	For U S Std. Nuts: Size Bolt	For Hex Head Cap Screws: Diam Screw	For S A E Std Nuts and Cap Screws Size Bolt	Openings Milled	Extreme Length	Thickness Heads	PRICE Semi-finished
623D	1/4	1/4 & 5/16	1/4 & 5/16	7/16 & 1/2	1 3/4	1/8	$ .50
626X	5/16 & 3/8	3/8		9/16 & 11/16	6	5/16	64
628				19/32 & 5/8	6 3/4	5/16	.72
629D		7/16 & 1/2	7/16 & 1/2	5/8 & 3/4	6 3/4	5/16	.72
634	1/2 & 9/16	5/8	5/8 & 3/4	7/8 & 11/16	8 1/4	3/4	1.12
635E	3/4	3/4 & 1	11/16 & 7/8	1 & 1 1/4	10 1/2	5/16	1.68
Canvas Roll, $1 00 extra						Price of Set	$5.38



Ford Set A

No.	Class	Opening Size Across Flats	Extreme Length	PRICE Semi-finished	PRICE Finished
27	D. H. Engineers'	15/16 & 11/16	5 7/8	$ .62	$ .92
702	S H Cap Screw	9/16	4 3/8	.44	.64
263D	Offset Socket	29/64	4 15/16	.72	.96
264A	Offset Socket	33/64	5 1/8	.78	1.04
*965D	Straight Socket	17/32	5 3/4	.88	1.16
265D	Offset Socket	37/64	5 3/8	.88	1.16
265A	Offset Socket	37/64	5 3/8	.88	1.16
266DS	Offset Socket	41/64	11	1.26	1.68
*267A	Offset Socket	45/64	6 3/4	1.08	1.44
267D	Offset Socket	47/64	6 7/8	1.08	1.44
268A	Offset Socket	49/64	7 1/8	1.20	1.60
269A	Offset Socket	53/64	8 1/2	1.38	1.84
Canvas Roll, $1 75 Extra				Price of Set	$11.80	$15.04

Ford Set B

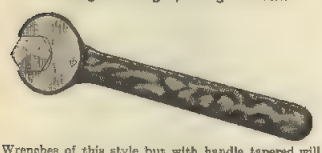
Number	Class	Opening Size Across Flats	Extreme Length	PRICE Semi-finished	PRICE Finished
27C	D. H. Engineers'	9/16 & 11/16	5 7/8	$ .62	$ .92
729	D. H. Cap Screw	7/8 & 3/4	6 3/8	.74	1.12
33C	D. H. Engineers'	11/16 & 1	8 3/4	1.10	1.70
734	D H Cap Screw	7/8 & 1 1/8	9 3/4	1.36	2.16
266DS	Offset Socket	41/64	11	1.26	1.68
Canvas Roll, $0 70 Extra				Price of Set	$5 08	$7.58

Williams Drop Forged Steel Wrenches

The steel from which these drop forged wrenches are made is selected for this particular purpose. Every detail of forging, milling and finishing is given closest attention. All drop forged steel wrenches will be furnished under the following headings.
"Unfinished"—Plain forging, not hardened with openings either milled or unmilled. Milled openings sent unless otherwise ordered.
"Semi-Finished"—Edges ground, case hardened, heads bright, openings milled.
"Finished"—Openings milled, ground, polished, case-hardened, lacquered, with heads finished bright.
These wrenches can also be furnished in full finish.
Unless otherwise ordered we will fill all orders with Semi-Finished Wrenches.

Engineers' Wrenches

15 Degree Angle, Single Head



Wrenches of this style but with handle tapered will be furnished on orders for the larger sizes, beginning with No. 11.

The following have hole in end of handle.

No.	17	18	19	19A	20	20A	21A	21B	21C	22A	22B
Hole	⅛	¾	⅞	⅞	1	1	1¼	1⅛	1⅜	1¼	1¼

No.	For U. S. Std. Nut; Size Bolt	For Hex Head Cap Screw; Diam. Screw	For S. A. E. Std. Nut and Cap Screw; Size Bolt	Openings Milled	Extreme Length	Thickness Head	Price Semi-finished
00	3/16	1/4		5/16	3	5/16	$ .23
700		5/16		3/8	3 1/16	3/8	.30
0	7/32			12/32	3 1/32	3/16	.30
701		1/4	1/4	1/4	4	1/4	.36
1	1/4	5/16	5/16	3/8	4	1/4	.36
702		3/8	3/8	7/16	4 3/4	9/32	.44
2	5/16			14/32	4 3/4	9/32	.44
703		7/16	7/16	1/2	5 5/8	5/16	.52
3	3/8			11/16	5 5/8	5/16	.52
704		1/2	1/2	9/16	6 1/2	11/32	.64
4	7/16			25/32	6 1/2	11/32	.64
705		9/16		13/16	7 1/2	13/32	.76
5	1/2	5/8	5/8	7/8	7 1/2	13/32	.76
6	9/16			31/32	8 5/8	7/16	.92
706		3/4	11/16	1	8 5/8	7/16	.92
7	5/8		3/4	1 1/16	9 1/4	1/2	1.14
707		7/8		1 1/8	9 1/4	9/16	1.14
8	3/4	1	7/8	1 1/16	11 1/8	9/16	1.50
708A		1 1/8		1 1/8	11 1/8	9/16	1.50
9	7/8		1	1 5/16	13	21/32	2.30
709		1 1/4		1 1/2	13	21/32	2.30
10	1	1 3/8	1 1/8	1 5/8	14 3/4	3/4	3.20
11	1 1/8		1 1/4	1 13/16	16 1/2	27/32	4.20
12	1 1/4		1 3/8	2	18 1/2	29/32	5.70
16A	1 3/8		1 1/2	2 1/16	20	1	7.30
14	1 1/2			2 5/16	22	1 1/16	9.20
15	1 5/8			2 9/16	24	1 1/8	11.20
16	1 3/4			2 3/4	25 1/2	1 1/16	13.40
16A	1 7/8			2 15/16	27	1 7/32	13.40
17	2			3 1/16	29 1/2	1 3/8	20.50
18	2 1/4			3 3/4	33	1 15/32	29.50
19	2 1/2			3 7/16	37	1 3/4	42.00
19A	2 3/4			4 1/4	39	1 5/8	43.00
20	3			4 5/8	41	1 7/8	62.00
20A	3 1/4			5	43	1 7/8	62.00
21A	3 1/2			5 1/8	45	2 1/4	104.00
21B	3 3/4			5 3/4	47	2 1/4	104.00
21C	4			6 1/4	49	2 1/4	104.00
22A	4 1/2			6 7/8	51	3	204.00
22B	5			7 5/8	53	3	204.00

Engineers' Wrenches

15 Degree Angle, Double Head

No.	For U. S. Std. Nuts; Size Bolt	For Hex Head Cap Screws; Diam. Screw	For S. A. E. Std. Nut and Cap Screws; Size Bolt	Openings Milled	Extreme Length Approx.	Price Semi-finished
721	3/16	3/16 and 1/4		5/16 and 3/8	3 1/2	$ .34
21	1/4 and 5/16	5/16 and 3/8		5/16 and 7/16	3 1/2	.34
722	5/16	3/8 and 1/4		3/8 and 7/16	4	.42
22	3/8 and 7/16	3/8 and 5/16	1/4	5/16 and 1/2	4	.42
723		3/8 and 3/8	5/16	3/8 and 7/16	4	.42
723A		3/8 and 7/16	3/8	7/16 and 1/2	4	.42
23	5/16 and 3/8	7/16 and 5/16	7/16	1/2 and 9/16	4	.42
724		7/16 and 3/8	1/2	9/16 and 5/8	4	.50
24	7/16 and 1/2	7/16 and 7/16	9/16	5/8 and 11/16	4 1/2	.50
725		1/2 and 7/16	5/8	11/16 and 3/4	4 1/2	.50
725A		1/2 and 1/2	3/4	3/4 and 13/16	4 1/2	.50
725B	1/2	1/2 and 9/16	3/4 and 5/8	3/4 and 7/8	4 1/2	.50
25	1/2 and 9/16	9/16 and 1/2	5/8 and 3/4	7/8 and 15/16	4 1/2	.50
726	1/2	5/8 and 9/16	5/8 and 7/8	15/16 and 1	5	.62
26	1/2 and 5/8	5/8 and 5/8	5/8 and 7/8	15/16 and 1 1/16	5	.62
727		5/8 and 7/16	5/8 and 15/16	15/16 and 1 1/16	5	.62
27C	5/8	5/8		15/16 and 1 1/16	5	.62
27	5/8 and 3/4	5/8 and 5/8		15/16 and 1 1/16	5	.62
728	3/4	5/8 and 1/2	5/8 and 1/2	15/16 and 1 1/16	5	.74
28	3/4 and 7/16	5/8 and 7/16		15/16 and 1 1/16	6	.74
729		5/8 and 1/2	5/8 and 1/2	15/16 and 3/4	6	.74
28S	7/16	7/16	7/16	7/8 and 1	6	.74
29	1/2 and 9/16	7/16		15/16 and 1 1/16	6	.74
730	9/16	7/16 and 9/16	7/8	15/16 and 1 1/16	6	.90
730A	5/8	9/16 and 5/8	7/8 and 9/16	15/16 and 1 1/16	6	.90
30	5/8 and 3/4	5/8 and 5/8	9/16	1 and 1 1/16	6	.90
731	11/16	11/16 and 3/4	11/16	1 and 1 1/16	6	.90
731A	11/16 and 3/4	11/16 and 5/8	11/16 and 9/16	1 and 1 1/16	6	.90
31	3/4 and 7/8	11/16 and 11/16	11/16	1 and 1 1/16	6	.90
731B		11/16 and 5/8	11/16	1 and 1 1/16	6	.90
32	7/8 and 15/16	11/16 and 11/16	13/16	1 and 1 1/16	8 1/2	1.10
732	15/16	13/16 and 3/4	13/16 and 1	1 and 1 1/16	8 1/2	1.10
33A	15/16	13/16 and 13/16	13/16 and 15/16	1 and 1 1/16	8 1/2	1.10
33	15/16 and 1	13/16 and 15/16	13/16 and 1 1/16	1 and 1 1/16	8 1/2	1.10
733	1 1/16	13/16 and 1	13/16 and 1 1/16	1 and 1 1/16	8 1/2	1.10
33C	1 1/16	15/16 and 15/16	15/16 and 1 1/16	1 and 1 1/16	8 1/2	1.10
34	1 1/16 and 1 1/8	15/16 and 1	15/16 and 1 1/16	1 and 1 1/16	9 1/2	1.36
734	1 1/8	15/16 and 15/16	15/16	1 and 1 1/16	9 1/2	1.36
35	1 1/8 and 1 3/16	15/16 and 1 1/16	1 and 1 1/16	1 and 1 1/16	9 1/2	1.36
735	1 3/16	1 and 1 1/16	1 1/16	1 and 1 1/16	9 1/2	1.36
36	1 3/16 and 1 1/4	1 1/16 and 1 1/16	1 1/16 and 1 1/16	1 and 1 1/16	9 1/2	1.36
736	1 1/4	1 1/16 and 1 1/8	1 1/16 and 1 1/16	1 and 1 1/16	11 1/2	1.92
37	1 1/4 and 1 5/16	1 1/16 and 1 1/16	1 1/16 and 1 1/16	1 and 1 1/16	11 1/2	1.92
737	1 5/16 and 1 3/8	1 1/16 and 1 1/16	1 1/16 and 1 1/16	1 and 1 1/16	11 1/2	1.92
38	1 3/8 and 1 7/16	1 1/16 and 1 1/16	1 1/16 and 1 1/16	1 and 1 1/16	11 1/2	1.92
738	1 7/16 and 1 1/2	1 1/16 and 1 1/16	1 1/16 and 1 1/16	1 and 1 1/16	11 1/2	1.92
739	1 1/2 and 1 5/8	1 1/16 and 1 1/16	1 1/16 and 1 1/16	1 and 1 1/16	11 1/2	1.92
39	1 5/8 and 1 3/4	1 1/16 and 1 1/16	1 1/16 and 1 1/16	1 and 1 1/16	11 1/2	1.92
40	1 3/4 and 1 7/8	1 1/16 and 1 1/16	1 1/16 and 1 1/16	1 and 1 1/16	11 1/2	1.92
41	1 7/8 and 2	1 1/16 and 1 1/16	1 1/16 and 1 1/16	1 and 1 1/16	11 1/2	1.92
42	2 and 2 1/16	1 1/16 and 1 1/16	1 1/16 and 1 1/16	1 and 1 1/16	11 1/2	1.92
43	2 1/16 and 2 1/8	1 1/16 and 1 1/16	1 1/16 and 1 1/16	1 and 1 1/16	11 1/2	1.92
44	2 1/8 and 2 1/4	1 1/16 and 1 1/16	1 1/16 and 1 1/16	1 and 1 1/16	11 1/2	1.92
45	2 1/4 and 2 3/8	1 1/16 and 1 1/16	1 1/16 and 1 1/16	1 and 1 1/16	11 1/2	1.92
46	2 3/8 and 2 1/2	1 1/16 and 1 1/16	1 1/16 and 1 1/16	1 and 1 1/16	11 1/2	1.92
47	2 1/2 and 2 5/8	1 1/16 and 1 1/16	1 1/16 and 1 1/16	1 and 1 1/16	11 1/2	1.92

Williams' Drop Forged Steel Wrench Display Boards

For US and S.A.E. Nuts and Cap Screws

Styles A and B

Styles E and F

Style S

Style "A" For Garage and Auto Supply Houses

Length 54 in. Weight of board and 102 wrenches 56 pounds, consisting of 6 wrenches of each of the following numbers:

Engineers' Wrenches—15° angle Nos. 21, 25, 29, 23.
Check Nut or Thin Wrenches—15° angle, Nos. 623, 627, 631, 635.
High Service Wrenches 22½° angle, Nos. 77S, 79S, 81A, 83A.
Cap Screw Wrenches—15° angle, Nos. 721, 725A, 727, 728, 731B.
Price, complete.... **$80.64**

Style "B" for Machine Shops and Mfg. Plants

Length 54 in. Weight of board and 120 wrenches 72 pounds, consisting of six wrenches of each of the following numbers:

Engineers' and Cap Screw Wrenches—15° angle, Nos 23, 725, 25, 27C, 28S, 731A, 34, 736.
Set Screw Wrenches—22½° angle, Nos. 525, 527, 529, 531.
S Wrenches with Flat Handle—22½° angle, Nos. 661A, 662B, 663G, 664B.
Textile Machine Wrenches—22½° angle, Nos. 260B, 761G, 763A, 764B.
Price, complete.... **$96.60**

Style "E" for Machine and Auto Work

Size 8x27 in. Weight of board and 36 wrenches 14 pounds, consisting of 3 wrenches of each of the following numbers:

Engineers' Wrenches—15° angle, Nos. 23, 725, 725B, 25, 727, 27, 29, 731A.
Light Service Wrenches—22½° angle, Nos. 75B, 77B, 79C, 81A.
Price, complete.... **$23.94**

Style "F" for Farm, Machine and Auto Work

Size 8x27 in. Weight of board and 36 wrenches 13 pounds, consisting of 43 wrenches of each of the following numbers:

Engineers' Wrenches—15° angle, Nos. 23, 725, 725B, 25, 227, 27, 29, 731A.
Check Nut or Thin Wrenches—15° angle, Nos. 623D, 626S, 630E, 632X.
Price, complete.... **$23.58**

Style "S" Socket Wrench Board

Size 19x47 in. Weight of board and 66 wrenches 40 pounds, consisting of 3 wrenches of each of the following numbers:

Offset Pattern for Hex nuts and cap screws. Nos 263D, 264A, 265D, 266D, 267A, 267D, 268A, 268D, 269A, 270A, 270D.
Straight Pattern with pin handle Nos. 963D, 964A, 965D, 966D, 967A, 967D, 968A, 968D, 969A, 970A, 970D.
Price, complete.... **$35.26**

Williams Drop Forged Steel Wrenches

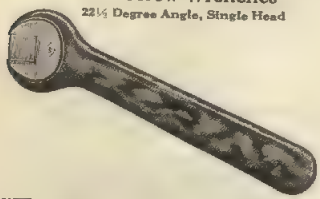
Textile Machine Wrenches

22½ Degree Angle, Double Head

No.	For U. S. St'd Nuts, Size Bolt	For Hex Head Cap Screws; Diam Screw	For S. A. E. Std Nut and Cap Screws; Size Bolt	Openings Milled	Extreme Length	Thickness Heads	Semi-finished
760A	⅛ & ¼	⅛ & ¼	¼	⅜ & ½	4¾	¼	$ .50
760B	⅜ & ½	⅜ & ½	⅜	½ & ⅝	4¾	¼	.50
760C	⅝ & ¾	⅝ & ¾	½	⅝ & ¾	4¾	¼	.50
760Y	¾	¾	⅝	¾ & ⅞	4¾	¼	.50
761X	¾	⅝ & ¾	⅝ & ¾	¾ & ⅞	5¾	⅜	.62
761A	⅞ & 1	⅞	¾	⅞ & 1	5¾	⅜	.62
761	1 & 1⅛	1 & 1⅛	⅞	1 & 1⅛	5¾	⅜	.62
761B	1⅛ & 1¼	1⅛	1	1⅛ & 1¼	5¾	⅜	.62
761Z	1⅜ & 1½	1¼ & 1⅜	1⅛	1¼ & 1⅜	5¾	⅜	.62
761C	1⅜ & 1½	1½ & 1⅝	1¼	1⅜ & 1½	5¾	⅜	.62
782A	⅜ & ⅞			1⅝ & 1¾			.82
782Y	⅞ & 1	⅞ & 1	⅜	⅞ & 1	7	⅜	.80
782B	1 & 1⅛		⅞	1 & 1⅛	7	⅜	.80
782C	1⅛ & 1¼		1	1⅛ & 1¼	7	⅜	.80
763Y	1¼ & 1½	1¼ & 1⅜	1⅛	1¼ & 1⅜	8¼	⅜	1.08
763A	1⅜ & 1½		1¼	1⅜ & 1½	8¼	⅜	1.08
763B	1⅜ & 1⅝		1⅜	1½ & 1⅝	8¼	⅜	1.08
763D	1½ & 1⅝			1½ & 1⅝	8¼	⅜	1.08
763C	1½ & 1⅝	1⅝	1⅜	1⅝ & 1¾	8¼	⅜	1.08
764	1½ & 1⅝	1⅝ & 1¾	1½	1⅝ & 1¾	8¼	⅜	1.08
764A	1½ & 1⅝	1⅝ & 1¾	1⅝	1⅝ & 1¾	9¼	⅜	1.44
764Z	1½ & 1⅝	1⅝ & 1¾	1⅝	1⅝ & 1¾	9¼	⅜	1.44
764D	1⅝	1¾	1⅝	1⅝ & 1¾	9¼	⅜	1.44
764B	1⅝ & 1¾		1⅝	1⅝ & 1¾	9¼	⅜	1.44
764C	1⅝ & 1¾	1	1⅝	1⅝ & 1¾	9¼	⅜	1.44
765A	1¾ & 2	1	1¾ & 1⅞	1¾ & 1⅞	11	⅜	1.92
765B	1¾ & 2		1¾ & 1	1⅝ & 1⅞	11	⅜	1.92
765C	1¾ & 2	1	1⅞ & 1	1¼ & 1⅞	11	⅜	1.92

Set Screw Wrenches

22½ Degree Angle, Single Head



Number	Milled Opening For Set Screw, Size	Extreme Length	Thickness Head	Semi-Finished
500	3/16	3	3/16	$ .28
501	1/4	3 1/2	1/4	.34
502	5/16	4 1/4	5/16	.42
503	3/8	5	3/8	.50
504	7/16	5 3/4	7/16	.62
505	1/2	6 3/4	7/16	.76
506	9/16	7 1/2	1/2	.92
507	5/8	8 1/2	9/16	1.10
508	3/4	9 1/2	5/8	1.36
509	7/8	10 1/2	11/16	1.68
510	1	11 1/2	3/4	2.20
511	1 1/8	12 1/2	13/16	2.80

Set Screw Wrenches

22½ Degree Angle, Double Head

Number	Milled Openings For Set Screws; Size	Extreme Length	Thickness Head	Semi-Finished
523	3/16 & 1/4	3 1/4	1/16	$ .40
524	5/16 & 3/8	4 3/4	5/32	.48
525	1/4 & 5/16	4 3/4	5/32	.48
526	1/4 & 3/8	5	11/64	.58
527	5/16 & 3/8	5	11/64	.58
528	5/16 & 7/16	5 3/4	3/16	.70
529	3/8 & 7/16	5 3/4	3/16	.70
530	3/8 & 1/2	6 3/8	7/32	.90
531	7/16 & 1/2	6 3/8	7/32	.90
532	7/16 & 9/16	7 1/2	1/4	1.08
533	1/2 & 9/16	7 1/2	1/4	1.08
534	1/2 & 5/8	8 1/2	5/16	1.30
535	9/16 & 5/8	8 1/2	5/16	1.30
536	5/8 & 3/4	9 1/4	5/16	1.60
537	5/8 & 7/8	9 1/4	5/16	1.60
538	3/4 & 7/8	11	11/32	2.00
539	3/4 & 7/8	11	11/32	2.00
540	3/4 & 1	12 1/2	3/8	2.60
541	7/8 & 1	12 1/2	1/2	2.60
542	7/8 & 1 1/8	14	13/32	3.50
543	1 & 1 1/8	14	13/32	3.50

Double Head Tool Post Wrenches

For U. S. Standard Nuts and Set Screws

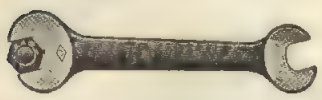
Number	Open End For U. S. Stand. Nut: Size Bolt	Open End For U. S. Stand. Nut: Opening, Milled	Closed End for Set Screw Size	Extreme Length	Thickness Heads	Semi-Finished
562	3/8	11/16	3/8	6 1/2	1/4 & 5/8	$1.32
563	1/2	7/8	1/2	7	5/16 & 5/8	1.44
563B	1/2	7/8	1/2	7	5/16 & 5/16	1.44
563C	1/2	7/8	7/16	7	5/16 & 7/16	1.44
563D	1/2	7/8	5/8	7	5/16 & 3/16	1.44
564	5/8	1 1/16	5/8	7 1/2	3/8 & 11/16	1.64
565	3/4	1 1/16	5/8	8	3/8 & 5/8	1.94
566	3/4	1 5/16	7/8	9 3/4	3/8 & 11/16	2.40
566B	3/4	1 5/16	7/8	9 3/4	3/8 & 11/16	2.40
567	7/8	1 1/4	1	10	7/16 & 3/16	3.20
567B	7/8	1 1/16	1	10	7/16 & 3/8	3.20
567C	7/8	1 5/16	1	10	7/16 & 7/16	3.20
568	1	1 5/16	7/8	11	15/32 & 15/32	4.40
568B	1	1 5/16	1	11	15/32 & 13/16	4.40
568C	1 1/8	1 5/16	1	11	15/32 & 13/16	4.40
568D	1 1/4	2	1	11	15/32 & 15/16	4.40

Williams Drop Forged Steel Wrenches

Heavy Cap Screw Wrenches

15° Angle, Double Head

For Hexagon Head Cap Screws



This is a line of extra weight designed to withstand the strain in turning cap screws, and is considerably stronger than the screws themselves. *For smaller sizes and lighter cap screw wrenches, see other pages

In stock with openings for U. S. Standard Hexagon Head Cap Screws; Whitworth Standard, Metric Measure or special openings milled to order.

No.	For Hex Head Cap Screws; Diam. Screw	For U S Std. Nuts; Size Bolt	For S A E. Std. Nuts and Cap Screws; Size Bolt	Openings Milled	Extreme Lgth.	Semi-finished
*126	¼ & ⅜		⅜ & ⅜	⅜ & 9/16	5⅝	$0.60
127	⅜ & ½	¼	⅜ & ⅜	½ & 9/16	5¾	.60
128	½ & ⅝	¼	½ & ⅝	½ & ⅝	6½	.74
129	⅝ & ⅞		⅝ & ⅞	⅝ & ⅝	6⅝	.74
130	⅜ & ½		⅜ & ½	9/16 & ⅝	7	.90
131	½ & ⅝		½ & ½	⅝ & ¾	7	.90
132	½ & ⅞		½	⅝ & 13/16	7¾	1.10
133	½ & ⅞		½	¾ & 13/16	7¾	1.10
134	½ & ⅝	½	½ & ⅝	¾ & ⅞	8¾	1.36
135	⅝ & ¾	½	⅝	13/16 & ⅞	8¾	1.36
136	⅝ & ¾	11/16	⅝	13/16 & 1	10⅛	1.80
137	⅝ & ¾	½	9/16 & 11/16	⅞ & 1	10⅛	1.80
138	⅝ & ¾	⅝	⅝	⅞ & 1⅛	11⅝	2.50
139	⅝ & ⅞		11/16	1 & 1⅛	11⅝	2.50
140	¾ & 1	¾	11/16 & ⅞	1 & 1¼	13¼	3.30
141	⅞ & 1	¾	⅞	1⅛ & 1¼	13¼	3.30
142	⅞ & 1⅛			1⅛ & 1⅜	14⅜	4.30
143	1 & 1⅛	¾	⅞	1⅛ & 1⅜	14⅜	4.30
144	1 & 1¼	¾	⅞	1⅛ & 1½	16¼	5.50
145	1⅛ & 1¼			1⅜ & 1½	16¼	5.50

Heavy Cap Screw Wrenches

15° Angle, Single Head

For Hexagon Head Cap Screws

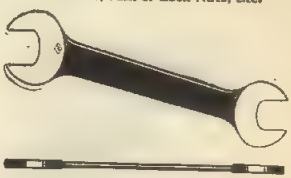
No.	For U. S. Std. Nut; Size Bolt	For Hex. Head Cap Screw; Diam. Screw	For S A. E. Std. Nut and Cap Screw; Size Bolt	Opening Milled	Extreme Length	Thickness Head	Semi-finished
*103		⅜	⅜	⅜	5	⅝	$0.50
104		⅜	⅜	⅜	5¾	⅝	.62
105		½	½	¾	6½	⅞	.76
106		⅝		11/16	7¼	⅛	
107	⅜	⅝	⅜	⅞	8	⅛	.92
108		⅝	⅝	1	9⅛	⅝	1.14
109		⅝	⅝	1⅛	11	⅝	1.44
		½	½			¼	1.92
110	⅝	1	⅝	1¼	12¼	⅞	2.60
111		1⅛		1⅜	14	1	3.46
112		1¼		1½	15¼	1⅛	4.20
113	1	1⅜	1⅛	1⅝	17	1⅜	5.20

Check Nut or Thin Wrenches

15° Angle Double Head

Automotive Design

For Check, Jam or Lock Nuts, Etc.



This class of Wrench is guaranteed amply strong for its intended purposes, but it is not designed for severe service.

No.	Price U S Std. Nuts, Size Bolt	For Hex Head Cap Screws Diam Screw	For S A E Std Nuts and Cap Screws, Size Bolt	Openings Milled	Extreme Lgth.	Thickness Heads	Price Semi-finished
623E	5/16 & ⅜	5/16 & ⅜	5/16	⅜ & ½	4¾	⅛	$0.50
623	⅜ & ½	⅜	5/16	½ & ½	4¾	⅛	.50
624	⅜ & ⅝		⅜	½ & 9/16	4¾	⅛	.50
623D	½ & ⅝	½ & ⅝	⅜	½ & ⅝	4¾	⅛	.50
625	½ & ⅝	½ & ⅝	⅜	⅝ & ⅝	4¾	⅛	.50
626	¾ & ⅞	½ & ⅝	½	½ & 11/16	6	3/16	.64
626S		⅝ & ¾	⅝ & ⅞	⅝ & ⅝	6	3/16	.64
626X		⅝	⅞	⅝ & 11/16	6	3/16	.64
627	5/16 & ⅜			11/32 & 11/16	6	3/16	.64
628	⅜ & ½			13/32 & ⅝	6¾	3/16	.72
629D		⅜ & ½	½ & ⅝	⅝ & ¾	6¾	3/16	.72
629	½ & ⅝		½	⅝ & ¾	6¾	3/16	.72
630	⅝ & ¾	⅝	⅝	¾ & ⅞	7½	7/32	.80
630E		½ & ⅝	½ & ⅝	¾ & ⅞	7½	7/32	.80
631	5/16 & ⅜	⅝	5/16	⅞ & ⅞	7½	7/32	.80
632	7/16 & ½	⅜ & ½	⅜	⅞ & 31/32	8¾	⅛	1.12
633	½ & ⅝	½ & ⅝	½	⅞ & 11/16	8¾	⅛	1.12
634	½ & ⅝	½ & ⅝	½	⅞ & 1⅛	8¾	⅛	1.12
632X		⅝ & ¾	11/16	1 & 1	8¾	⅛	1.12
635	⅝ & ¾	⅝ & ¾	⅝ & ¾	31/32 & 1⅛	10½	9/32	1.68
636	⅝ & ¾	¾ & 1	¾	31/32 & 1⅛	10½	9/32	1.68
635E	¾	¾ & 1	¾	1 & 1⅛	10½	9/32	1.68
637	⅝ & ¾	¾ & 1	⅞	1 & 1⅛	10½	9/32	1.68
635G	¾	⅞ & 1	⅞	1⅛ & 1⅛	10½	9/32	1.68
638	⅝ & ⅞	¾ & 1	1	1 & 1⅛	12½	⅜	2.60
639	¾ & ⅞	1	1	1 & 1⅛	12½	⅜	2.60
640	¾ & 1	1 & 1⅛	⅞ & 1⅛	1⅛ & 1⅛	12½	⅜	2.60

Single Head

Same as Above Except Head

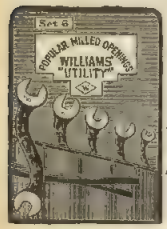
No	For U S Std Nut Size Bolt	For Hex Head Cap Screw, Diam. Screw	For S A E Std Nut and Cap Screw, Size Bolt	Opening Milled	Extreme Length	Thickness Head	Price, Semi-finished
601	¼	5/16	5/16	⅜	1	5/32	$0.36
602	5/16			7/16	4 1/32	11/64	.44
603	⅜			13/32	5⅛	5/32	.52
604	7/16			15/32	5¾	7/32	.64
605	½	⅝	⅜	⅞	6¾	¼	.76
606	⅝			31/32	7½	5/16	.90
607	¾		½	1 9/32	8½	5/16	1.08
608	⅞	1	⅝	1 1/4	10	3/8	1.36
609	⅞		1	1⅜	11⅜	½	1.84
610	1	1⅛	1⅛	1⅝	13¼	½	2.60

Williams' Drop Forged Steel Wrench Sets

General Service Set No. 3

For Light Service Only

No	For U. S. Standard Nuts; Size Bolt	For Hex. Head Cap Screws; Diameter Screw	For S. A. E. Standard Nuts and Cap Screws; Size Bolt	Openings Milled	Extreme Length	Price Semi-finished	Price Finished
75B	¼	⅜ and ½	¼	¾ and 7/16	6¼	$0.54	$0.76
77B	5/16	⅝ and ⅝	⅜ and ⅜	½ and ⅝	7¾	.68	.94
79	⅜	⅞	7/16	⅝ and 11/16	8¼	.86	1.16
81B	..	½ and ¾	½	¾ and 13/16	9¼	1.10	1.44
83B	7/16	⅝ and ¾	⅜ and 11/16	⅞ and 1	10⅜	1.40	1.80
83B	½	⅝ and 1	⅝	1⅛ and 1¼	12	2.00	2.60
Canvas Roll, $1.00 extra					Price per set	$5.58	$8.70



Utility Five Set No. 6

For Light Service Only

No	For U. S. Standard Nuts, Size Bolt	For Hex Head Cap Screws Diameter Screw	For S. A. E. Standard Nuts and Cap Screws, Size Bolt	Openings Milled	Extreme Length	Price Semi-finished	Price Finished
75A	¼	⅜ and 7/16	5/16	¾ and 7/16	6¼	$0.54	$0.76
77	..	5/16 and 7/16	⅜ and ⅜	½ and ⅝	7¾	.68	.94
79C	..	7/16 and ½	7/16 and ½	⅝ and ¾	8¼	.86	1.16
81A	5/16	½ and ⅝	½ and ⅝	¾ and ⅞	9¼	1.10	1.44
83B	⅜	⅝ and ¾	⅝ and 11/16	⅞ and 1	10⅜	1.40	1.80
C Roll, $0.80 extra					Price per set	$4.58	$6.10

Tappet Wrench Sets Nos. 43, Alloy Steel

No.	For U. S. Standard Nuts; Size Bolt	For Hex. Head Cap Screws; Diameter Screw	For S. A. E. Standard Nuts and Cap Screws; Size Bolt	Openings Milled	Extreme Length	Thickness Heads	Price Each Semi-finished	Price Each Finished
C-90	¼	⅜ and 7/16	¼ and 5/16	7/16 and ½	6	11/64 and 11/64	$0.60	$0.90
C-90	¼	⅜ and ½	¼ and 5/16	7/16 and ½	6	11/64 and 11/64	.60	.90
C-92	..	7/16 and ½	5/16 and ⅜	½ and ⅝	7	3/16 and 13/64	.76	1.10
C-92	..	7/16 and ½	5/16 and ⅜	½ and ⅝	7	3/16 and 13/64	.76	1.10
C-94	5/16	7/16 and ⅝	⅜ and 7/16	⅝ and ¾	8	7/32 and ¼	1.00	1.40
C-94	5/16	7/16 and ⅝	⅜ and 7/16	⅝ and ¾	8	7/32 and ¼	1.00	1.40
C-96	..	⅝ and ¾	7/16 and ½	¾ and ⅞	9¼	¼ and 19/64	1.40	1.90
C-96	..	⅝ and ¾	7/16 and ½	¾ and ⅞	9¼	¼ and 19/64	1.40	1.90
Roll, $0.70 extra					Price per set		$7.52	$10.60

Set No. 44

Tappet Wrench Sets Nos. 53, Alloy Steel

No.	For U. S Standard Nuts, Size Bolt	For Hex. Head Cap Screws; Diameter Screw	For S. A. E. Std. Nuts and Cap Screws, Size Bolt	Openings Milled	Extreme Length	Thickness Heads	Price Each Semi-finished
90	¼	¼ and 5/16	¼ and 5/16	7/16 and ½	6	11/64 and 11/64	$1.10
90	¼	⅜ and 7/16	¾ and 5/16	7/16 and ½	6	11/64 and 11/64	1.10
92	..	⅜ and 7/16	5/16 and ⅜	½ and ⅝	7	3/16 and 13/64	1.30
92	..	⅜ and 7/16	5/16 and ⅜	½ and ⅝	7	3/16 and 13/64	1.30
94	5/16	⅜ and ½	⅜ and 7/16	⅝ and ¾	8	7/32 and ¼	1.50
94	5/16	⅜ and ½	⅜ and 7/16	⅝ and ¾	8	7/32 and ¼	1.50
Roll, $0.80 extra					Price per set		$7.80

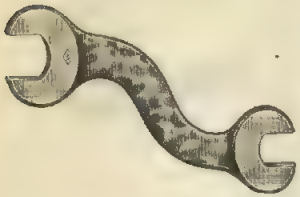
Set No. 54

90	¼	⅜ and 7/16	¼ and 5/16	7/16 and ½	6	11/64 and 11/64	$1.10
90	¼	⅜ and 7/16	¾ and 5/16	7/16 and ½	6	11/64 and 11/64	1.10
92	..	⅜ and 7/16	5/16 and ⅜	½ and ⅝	7	3/16 and 13/64	1.30
92	..	⅜ and 7/16	⅜ and 7/16	⅝ and ⅝	7	3/16 and 13/64	1.30
94	5/16	½ and ⅝	⅜ and 7/16	¾ and 7/16	8	7/32 and ¼	1.50
94	½	½ and ⅝	½ and ⅝	¾ and ⅞	8	7/32 and ¼	1.50
96	..	¾	5/16 and 11/16	15/16 and 1	9¼	¼ and 19/64	1.70
96	..	¾	5/16 and 11/16	15/16 and 1	9¼	¼ and 19/64	1.70
Roll, $1.00 extra					Price per set		$11.20

Williams Drop Forged Steel Wrenches

"S" Wrenches with Flat Handle

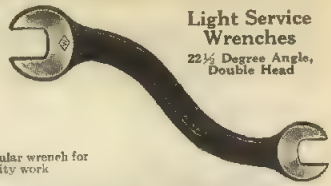
22½ Degree Angle, Double Head
For U. S. Standard Nuts



No	For U. S. Std. Nuts, Size Bolt	For Hex Head Cap Screws Diam Screw	For S. A. E. Std. Nuts and Cap Screws, Size Bolt	Openings Milled	Ex treme Length	PRICE Semi-finished	PRICE Finished
661D	1/8	1/4 & 5/16		5/16 & 3/8	4	$ .44	$ .64
661A	1/4 & 5/16	5/16		5/16 & 3/8	4	.44	.64
661E	3/8	3/8 & 7/16	1/4	5/16 & 7/16	4	.44	.64
661B	1/2 & 7/16	7/16 & 1/2	5/16	7/16 & 1/2	4	.44	.64
661F		5/16 & 3/8	1/4	3/8 & 7/16	4	.44	.64
661G		3/8 & 7/16	5/16	3/8 & 1/2	4	.44	.64
661C	5/8 & 3/4		7/16	1/2 & 9/16	4	.44	.64
662A	3/8 & 7/8			13/16 & 15/16	5	.58	.84
662D	1	1/2 & 5/8	1/4 & 5/16	7/16 & 1/2	5	.58	.84
662F		1/4 & 3/8	3/8 & 7/16	1/2 & 9/16	5	.58	.84
662F	1/2	5/16 & 3/8	7/16 & 1/2	9/16 & 5/8	5	.58	.84
662B	1/2 & 5/16	5/16 & 7/16	1/2 & 9/16	5/8 & 11/16	5	.58	.84
662G	1/4	7/16 & 1/2	1/2 & 5/8	11/16 & 3/4	5	.58	.84
662C	3/4 & 3/8	5/8	5/8	1/2 & 11/16	5	.58	.84
663D		3/8 & 7/16	3/8 & 7/16	5/8 & 5/8	6¼	.78	1.12
663F		3/8 & 1/2	1/2 & 5/8	5/8 & 11/16	6¼	.78	1.12
663A	5/16 & 3/8			15/16 & 1	6¼	.78	1.12
663B	7/16 & 5/16			15/16 & 15/16	6¼	.78	1.12
663F		7/16 & 1/2	5/16 & 1/2	3/4 & 3/4	6¼	.78	1.12
663G		7/16 & 5/8	7/16	5/8 & 13/16	6¼	.78	1.12
663C	3/4 & 7/8			11/16 & 7/8	6¼	.78	1.12
664A	3/4 & 1/2	3/4	3/4	13/16 & 7/8	7½	1.06	1.50
664D		1/2 & 5/16	1/2 & 5/8	3/4 & 13/16	7½	1.06	1.50
664E	1/2	1/2 & 5/8	5/8 & 3/4	3/4 & 7/8	7½	1.06	1.50
664B	5/16 & 1/2	5/8		15/16 & 15/16	7½	1.06	1.50
664C	7/16 & 5/8			7/8 & 15/16	7½	1.06	1.50
664F	1/2	7/16 & 5/8	7/16	13/16 & 7/8	7½	1.06	1.50
665D		7/16 & 7/8	13/16	13/16 & 1	9	1.44	2.00
665A	1/2 & 5/16	5/8		7/8 & 31/32	9	1.44	2.00
665E	1/2	5/8 & 3/4	5/16 & 11/16	1 & 1	9	1.44	2.00
665B	5/8 & 3/4	3/4	3/4 & 7/8	7/8 & 15/16	9	1.44	2.00
665F	1/2	5/8 & 7/8	7/8	1 & 1 1/16	9	1.44	2.00
665C	5/16 & 5/8	1	15/16	31/32 & 1 1/16	9	1.44	2.00
665G		3/4 & 7/8	1 1/16	1 & 1 1/16	9	1.44	2.00
666A	5/8 & 3/4	1	1	21/32 & 1 1/32	10½	2.00	2.70
666D	3/4	1 & 1	1 1/16 & 1/8	1 & 1 1/32	10½	2.00	2.70
666B	5/8 & 3/4	1	1/8 & 1/8	1 1/16 & 1 1/16	10½	2.00	2.70
666C	5/8 & 1		1/4 & 1	1 1/16 & 1 3/16	10½	2.00	2.70
666F	3/4	7/8 & 1	1/8	1 1/16 & 1 1/16	10½	2.00	2.70
666F		1/2 & 1 1/16		1 1/16 & 1 3/16	10½	2.00	2.70
667D	3/4	1 & 1 1/16	7/8	1 1/16 & 1 1/16	12	2.90	3.80
667A	3/4 & 7/8	1	1 & 1 1/16	1 1/16 & 1 1/16	12	2.90	3.80
667E	3/4	1 & 1 1/16	7/8	1 1/16 & 1 1/16	12	2.90	3.80
667B	3/4 & 1	1 & 1 1/16	1 & 1 1/16	1 1/16 & 1 1/16	12	2.90	3.80
667F		1 1/16 & 1 1/4		1 1/16 & 1 1/16	12	2.90	3.80
667C	7/8 & 1	1 1/16	1 & 1 1/16	1 1/16 & 1 1/16	12	2.90	3.80
668A	7/8 & 1 1/16		1 & 1 1/16	1 1/16 & 1 1/16	14	5.00	6.40
668B	1 & 1 1/16	1 1/16	1 1/16 & 1 1/16	1 1/16 & 1 1/16	14	5.00	6.40
668C	1 & 1 1/16	1 1/16	1 1/16 & 1 1/16	1 1/16 & 2	14	5.00	8.40

Light Service Wrenches

22½ Degree Angle, Double Head



A very popular wrench for general utility work

No.	For U. S. Std. Nuts; Size Bolt	For Hex Head Cap Screws; Diam Screw	For S. A. E. Std. Nut and Cap Screws, Size Bolt	Openings Milled	Ex-treme Length	Thick-ness Heads	Semi-finished
75C	1/8	1/4		1/4 & 5/16	6¼	1/4	$0.54
75B		5/16 & 3/8	1/4	3/8 & 7/16	6¼	1/4	.54
75A		7/16 & 1/2	5/16	7/16 & 1/2	6¼	1/4	.54
76	3/8 & 1/4	5/8		1/2 & 5/8	6¼	1/4	.54
77S	3/4	1/4 & 5/16	1/4 & 5/16	7/16 & 1/2	7¼	5/16	.68
77C		1/4 & 3/8	5/16 & 3/8	5/8 & 5/8	7¼	5/16	.68
77B	1/4	5/16 & 3/8	3/8 & 7/16	1/2 & 5/8	7¼	5/16	.68
77	1/4	5/16 & 7/16	7/16 & 1/2	1/2 & 5/8	7¼	5/16	.68
79B	1/2	3/8	1/2	5/8 & 11/16	8½	3/8	.86
79S	3/8	3/8 & 7/16	1/2 & 5/8	5/8 & 5/8	8½	3/8	.86
79A	5/8	3/8	5/8	11/16 & 11/16	8½	3/8	.86
79E	3/8 & 1/2	7/16 & 1/2	1/2 & 5/8	5/8 & 5/8	8½	3/8	.86
79D	5/8 & 3/4	5/8	11/16 & 3/4	11/16 & 11/16	8½	3/8	.86
79	5/8	7/16	5/8 & 11/16	5/8 & 11/16	8½	3/8	.86
79C	3/4	7/16 & 1/2	3/4 & 3/4	3/4 & 3/4	8½	3/8	.86
81E	1/2	5/16 & 3/8	3/4 & 7/8	5/8 & 3/4	9½	3/8	1.10
81C	3/4	1/2	7/8	11/16 & 3/4	9½	3/8	1.10
81	3/8		1/2	11/16 & 23/32	9½	3/8	1.10
81B		1/2 & 5/8	1/2 & 5/8	3/4 & 13/16	9½	3/8	1.10
81A	1/2	1/2 & 5/8	1/2 & 5/8	3/4 & 7/8	9½	3/8	1.10
81D	7/8 & 1/2	5/8	5/8	23/32 & 7/8	9½	3/8	1.10
83	3/4	3/4	3/4	7/8 & 15/16	10⅝	7/16	1.40
83D	1/2	5/8	3/4 & 7/8	7/8 & 15/16	10⅝	7/16	1.40
83B	1/2 & 5/8	5/8 & 3/4	5/8 & 11/16	15/16 & 1	10⅝	7/16	1.40
83C	3/4 & 5/8	5/8	3/4 & 7/8	3/4 & 11/16	10⅝	7/16	1.40
83A		3/4 & 1	7/8 & 11/16	13/16 & 1	10⅝	7/16	1.40
85		5/8 & 3/4	11/16	1 & 1 5/16	12	1/2	2.00
85A	1	3/4 & 1	11/16 & 7/8	1 & 1	12	1/2	2.00
85C	1/4 & 3/4	1	3/4 & 7/8	13/16 & 11/16	12	1/2	2.00
85B	3/4	7/8 & 1	7/8	11/16 & 11/16	12	1/2	2.00

Car Wrenches

22½ Degree Angle, Double Head, Long Leverage

Used by Railroads, Car Manufacturers and by Dredge Contractors, etc.

No.	For U. S. Standard Nuts; Size Bolts	Openings	Ex-treme Length	Thickness Heads	Unfinished	Hardened
367	3/4 & 1/4	13/16 & 7/8	12	3/8 & 7/8	$1.10	$1.50
370	1/2 & 5/8	1 1/16 & 1/8	19	1/2 & 1/2	1.90	2.50
371	1/4 & 3/4	15/16 & 15/16	20	1/2 & 1/2	2.30	3.10
373	5/8 & 3/4	1 1/32 & 1 1/16	20	1/2 & 1/2	2.30	3.10
374	3/4 & 7/8	1 1/16 & 1 1/16	21	5/8 & 3/8	2.70	3.70
376	3/4 & 7/8	1 1/32 & 1 1/32	21	5/8 & 5/8	2.70	3.70
377	3/4 & 1	1 5/32 & 1 13/16	22	5/8 & 5/8	3.30	4.50
379	7/8 & 1	1 1/32 & 1 11/32	22	5/8 & 5/8	3.30	4.50
380	7/8 & 1 3/4	1 1/16 & 1 7/8	23	5/8 & 5/8	3.80	5.30
382	1 & 1 1/8	1 11/16 & 1 7/8	23	5/8 & 5/8	3.80	5.30
383	1 & 1 1/4	1 11/16 & 2 1/16	24	1/2 & 5/8	4.50	6.30
385	1 1/4 & 1 1/4	1 7/8 & 2 1/16	24	5/8 & 3/4	4.50	6.30
387	1 1/8 & 1 1/2	1 7/8 & 2 7/16	25	3/4 & 3/4	6.80	9.00
389	1 1/2 & 1 1/2	2 1/16 & 2 5/8	25	3/4 & 3/4	6.80	9.00

POWER AND ELECTRIC BLOWERS

CHAMPION POWER

NOS. 0 TO 000

Heavy steel shaft, strongly made and perfectly balanced. For forge fires, conveying dust from emery wheels, ventilating, etc. No platform or other frame is required, but they can be fastened direct to the wall, ceiling or floor and blast made to discharge in any direction. Dimensions: No. 0, height 10 inches; opening, for 2-inch pipe; capacity, one forge fire. No 00, height, 14 inches; opening, for 3-inch pipe; capacity, two forge fires. No. 000, height, 17 inches; opening, for 4-inch pipe; capacity, three forge fires.

No.	Weight	Each
0	15 lbs	$15.00
00	30 lbs.	20.00
000	50 lbs.	25.00

One in a crate.

CHAMPION ELECTRIC

No. 50

One fire, variable speed, steel pressure. For all kinds of general blacksmith work. The 12-inch steel fan case is built for high speed and high pressure blast. The blower is furnished with a Universal motor wound for both alternating and direct current Pressure from 2,000 revolutions per minute, 110 volts, with detached totally enclosed regulator with six speeds with attachment cord and plug to fit any light socket. The Universal motor is built with a hammered steel shaft, phosphor bronze bearings, self-aligning, commutator of hard drawn copper with 24 bars and large flat brushes and silk-covered wire of the best insulation Fan, 6 inches in diameter; outlet for 3-inch pipe, base, 7x9 inches

No.	Weight	Each
50	70 lbs.	$60.00

Note—Motors for 220 volts can be furnished from factory only.

One in a case.

BLACKSMITHS' BLOWERS

CHAMPION

No. 400

Ball-bearing. Patent direct drive, high speed spiral gearing, with "whirlwind" blast, anti-clinker Tuyere iron and piping complete. All working parts are made from the best tool steel and phosphor bronze, enclosed in an oil-tight casing. The blast is produced by turning the crank in either direction.

No.	Diam. fan	Weight	Each
400	12 in.	150 lbs.	$47.00
Whirlwind Tuyere Irons			15.00

One in a crate.

TROJAN

No. 500

Cog gearing. All cogs and gearing are in an oil-tight casing, with Tuyere and piping complete. The blast is produced by turning the crank in either direction.

No	Diam. fan	Weight	Each
500	12 in	100 lbs.	$30.00

One in a crate.

Note—No allowance for Tuyere Irons when Blowers are sold "without Tuyere Irons."

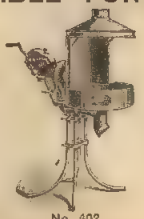
STEEL PORTABLE FORGES

NOS. 401 AND 401½

Ball-bearing. Adapted for government use, street and steam railroads, bridge and tank builders, miners and prospectors, boiler repairers, or any portable work requiring compactness. No. 401, with shield, hearth 18 inches; diameter fan, 9 inches; height, 30 inches. No. 401½, with shield, hearth 22 inches; diameter of fan, 9 inches; height, 30 inches.

No.	Weight	Each
401	115 lbs	$47.00
401½	120 lbs	52.00

One in a crate.



No. 402

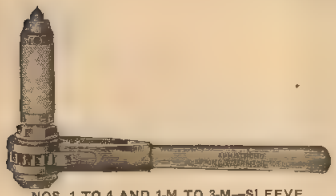
Ball-bearing. Adapted for tool makers, jewelers, bicycle repairers, tempering tools, tank builders, miners, prospectors, repairing on boilers, steam and street railroads. With half hood, hearth, 18 inches; diameter of fan, 9 inches; height, 30 inches.

No.	Weight	Each
402	120 lbs.	$45.00

One in a crate.

RATCHET DRILLS

ARMSTRONG IMPROVED PACKER



NOS. 1 TO 4 AND 1-M TO 3-M—SLEEVE

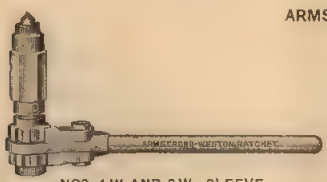
NOS. 1-B AND 2-B—BOILER

All steel, hardened throughout. Spindle bears on a strong collar nut. Extra strong teeth and pawl.

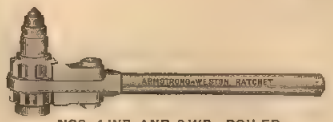
No.	Length	Size of drill socket	Head	Feed	Wt. each	Each
1	10 in.	No. 1 square taper	6 in.	2¼ in.	4 lbs.	$ 8.75
2	12 in.	No. 1 square taper	6¾ in.	2½ in.	6 lbs.	11.00
3	15 in.	No. 1 square taper	7¾ in.	3 in.	9 lbs.	13.50
4	18 in.	No. 2 square taper	9 in.	3½ in.	12 lbs.	17.00
1-M	10 in.	No. 2 Morse taper	6 in.	2¼ in.	4¼ lbs.	8.75
2-M	13 in.	No. 2 Morse taper	6¾ in.	2½ in.	6 lbs.	11.00
3-M	15 in.	No. 3 Morse taper	7¾ in.	3 in.	9 lbs.	13.50
1-B	10 in.	No. 1 square taper	4⅝ in.	1½ in.	3½ lbs.	7.50
2-B	13 in.	No. 1 square taper	5 in.	1⅝ in.	5 lbs.	9.00

One in a box.

ARMSTRONG-WESTON



NOS. 1-W AND 2-W—SLEEVE



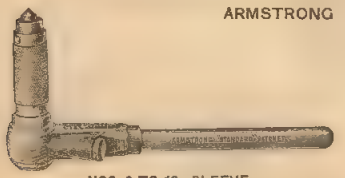
NOS. 1-WB AND 2-WB—BOILER

All steel, hardened throughout. Differential acting. The strongest ratchet made.

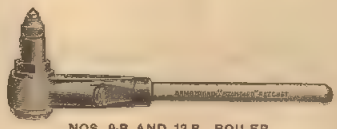
No.	Length	Size of drill socket	Feed	Wt. each	Each
1-W	12 in.	No. 1 square taper	2⅛ in.	6¼ lbs.	$11.40
2-W	14 in.	No. 1 square taper	2½ in.	6¾ lbs.	12.00
1-WB	13 in.	No. 1 square taper	1⅝ in.	5 lbs.	11.40
2-WB	14 in.	No. 1 square taper	1¾ in.	5½ lbs.	12.00

One in a box

ARMSTRONG STANDARD REVERSIBLE



NOS. 9 TO 18—SLEEVE



NOS. 9-B AND 12-B—BOILER

All steel, hardened throughout. The reversing "jigger" is conveniently located.

No.	Length	Size of drill socket	Head	Feed	Wt. each	Each
9	9 in.	Bit stock taper	5 in.	2 in.	1⅞ lbs.	$ 7.25
12	12 in.	No. 1 square taper	6 in.	2¼ in.	4 lbs.	7.50
15	15 in.	No. 1 square taper	6¾ in.	2½ in.	6¼ lbs.	8.75
18	18 in.	No. 1 square taper	7¾ in.	3 in.	9½ lbs.	10.00
9-B	9 in.	Bit stock taper	3¼ in.	1⅜ in	1½ lbs.	6.75
12-B	12 in.	No. 1 square taper	4⅝ in.	1½ in.	3½ lbs.	7.25

One in a box

HORSESHOERS' TOOLS—BOLT CLIPPERS

CUTTING NIPPERS

NOS. 110 TO 114

Extra quality forged crucible steel, full polished, perfectly adjusted. **Fully warranted.**

No.	Length	Width of cut	Wt. each	Each
110	10 in.	¾ in.	1 lb.	$2.60
112	12 in.	⅞ in.	1⅜ lbs.	3.35
114	14 in.	1 in.	2½ lbs.	4.00

One in a box.

P. S. & W.

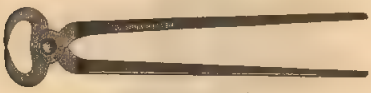
NOS. 132 AND 134

Forged steel, oil finished, polished jaws. **Warranted.**

No.	Length	Wt. each	Each
132	12 in.	2 lbs	$1.60
134	14 in.	2 lbs.	1.70

One in a box.

HELLER'S



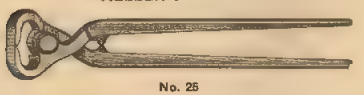
NOS. 24-A AND 24

Cast steel, full polished.

No.	Length	Wt. each	Each
24-A	12 in.	1⅝ lbs.	$3.90
24	14 in.	2¼ lbs.	4.75

Six in a box.

HELLER'S "LIGHT"



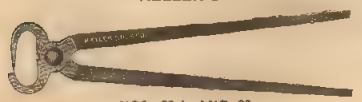
No. 25

Cast steel, full polished, lightest for its strength, strongest for its weight.

No.	Length	Wt. each	Each
25	16 in.	2 lbs.	$3.35

One in a box.

HOOF PARERS
HELLER'S



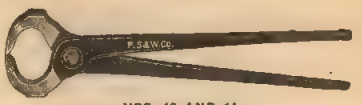
NOS. 23-A AND 23

Cast steel, full polished.

No.	Length	Wt. each	Each
23-A	12 in.	1⅝ lbs	$3.90
23	14 in.	2½ lbs.	4.75

Six in a box.

BLACKSMITHS' PINCERS
P. S. & W.



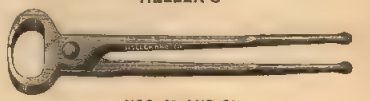
NOS. 12 AND 14

Forged steel, oil finish, polished jaws. **Warranted.**

No.	Length	Wt. each	Each
12	12 in.	2 lbs.	$1.60
14	14 in.	2 lbs.	1.70

One in a box.

BLACKSMITHS' PINCERS
HELLER'S



NOS. 20 AND 21

Cast steel, oil finish, polished jaws.

No.	Length	Wt. each	Each
20	14 in.	3 lbs.	$4.10
21	12 in.	2 lbs.	3.00

Three in a box.

BOLT CLIPPERS
NEW EASY

NOS. 0 TO 4-AR

Carefully made of best material and perfectly adjusted. All parts interchangeable. Capacity: No. 0, $\frac{3}{16}$-inch bolts; No. 1, $\frac{5}{16}$ inch bolts; No. 2, $\frac{1}{2}$-inch bolts; No. 3, $\frac{5}{8}$-inch bolts and No. 4, $\frac{3}{4}$-inch bolts.

Note—No. 4 is known as the Allen-Randall clipper.

No.	Length	Wt. each	Each
0	18 in.	3 lbs.	$5.00
1	24½ in.	5¾ lbs.	6.75
2	30 in.	8¾ lbs.	9.50
3	36 in.	12½ lbs.	12.50
4-AR	42 in.	18½ lbs.	15.00

Extra Cutters	No.	0	1	2	3	4
	Per pair	$2.50	3.00	4.50	6.00	7.50

Loose

O. K

NOS. 10 AND 14

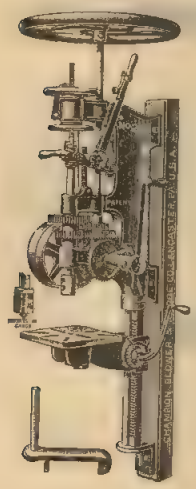
Carefully made of best material and perfectly adjusted. All parts interchangeable. Capacity: No. 10, $\frac{1}{4}$-inch soft steel; No. 14, $\frac{1}{8}$-inch soft steel.

No.	Length	Wt. each	Each
10	10 in.	1½ lbs	$2.50
14	14 in.	2½ lbs.	3.00

Loose.

UPRIGHT DRILLS

CHAMPION

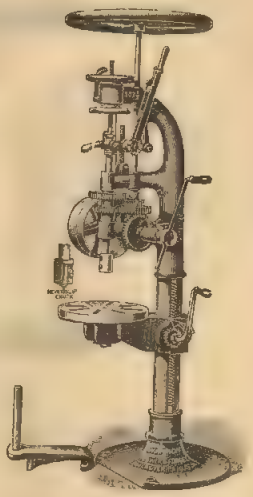


No. 203-P

For hand or power. Ball-bearing. Cut gears. Patented automatic self feed and lever feed; upright post drill. Gears arranged so that a quick or slow motion may be given as desired for heavy or for light work. Drills to the center of a 21-inch circle. Takes 41-64-inch straight shank twist drills ⅛ to 1 ½ inches. Spindle, 1 ¼ inches in diameter. Drill bit raised or lowered instantaneously. Has table rack and wheel holder. With tight and loose pulleys 11 inches in diameter, 2 ½-inch face.

No.	Wt. each	Each
203-P	425 lbs.	$108.00

Loose.



No. 203½-P

For hand or power. Ball-bearing. Cut gears. Patented combination automatic self feed and lever feed; back geared upright drill. Gears arranged so that a quick or slow motion may be given as desired for heavy or for light work. Drills to the center of a 21-inch circle. Takes 41-64-inch straight shank twist drills ⅛ to 1 ½ inches. Spindle, 1 ¼ inches in diameter. Drill bit raised or lowered instantaneously. Has table rack and wheel holder. With tight and loose pulleys 11 inches in diameter, 2 ½-inch face.

No.	Wt. each	Each
203½-P	625 lbs.	$150.00

Loose.

POWER BENCH DRILLS

CHAMPION

No. 0

For light and rapid drilling. Particularly adapted for garages, pattern makers and machine shops. Strictly high grade, powerful and well built. The top of the drill base is planed off to use as a table when the regular drill table is turned to one side, thus giving a space of 16 inches between the chuck and base table. The upper cone pulley is between two bearings to equalize the strain and increase the power. The counter shaft is supplied with a belt shifter on the tight and loose pulley.

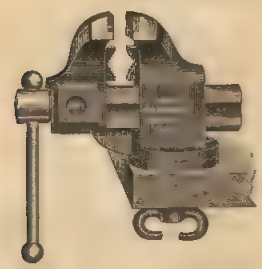
Drills to center of 9-inch circle. Bores holes up to ⅝-inch diameter. Up and down run of spindle, 3 ¼ inches; up and down run of table, 9 inches. Greatest distance from table to spindle, 10 inches; greatest distance from planed base to spindle, 16 inches. Diameter of column, 2 ½ inches. Size of tight and loose pulleys, 4x1 ¾ inches. Size of large cone pulley, 4 ½x1 ½ inches. Size of small cone pulley, 3x1 ½ inches. Spindle is bored with No. 1 Morse taper hole. Height, 32 inches.

No.	Wt. each	Each
0	80 lbs.	$60.00

One in a crate.

PIPE VISES

ERIE COMBINATION



NOS. 00-C TO 3-C—SWIVEL BASE

Pipe jaws tool steel, carefully hardened and tempered. All parts are guaranteed.

No.	Jaws	Capacity pipe	Wt. each	Each
00-C	2½ in.	⅛ to 1 in.	20 lbs.	$11.00
0-C	3 in.	⅛ to 1½ in.	24 lbs.	13.50
1-C	3½ in.	⅛ to 2 in.	29 lbs.	18.00
2-C	4 in.	⅛ to 3 in.	40 lbs.	24.00
3-C	5 in.	⅛ to 4 in.	79 lbs.	37.50

PRENTISS COMBINATION

NOS. 181 TO 182½—SWIVEL BASE

Reversible pipe jaws, milled from tool steel.

No.	Takes pipe	Jaws	Wt. each	Each
181	⅛ to 2½ in.	3½ in.	55 lbs.	$23.00
182	⅛ to 3 in.	4¼ in.	80 lbs.	30.00
182½	⅛ to 4 in.	5 in.	120 lbs.	52.00

PARKER COMBINATION

NOS. 87 TO 289½—SWIVEL BASE

No.	Jaws	Holds pipe	Wt each	Each
87	2⅝ in.	up to 2 in.	41 lbs.	$24.00
88	4⅛ in.	up to 3 in.	59 lbs.	33.00
288½	5 in.	up to 4 in.	118 lbs	48.00
289½	6 in.	up to 6 in.	185 lbs.	67.50

ARMSTRONG PATTERN

NOS. 110 TO 114

Malleable iron body, tool steel jaws.

No.	Holds pipe	Wt each	Each
110	⅛ to 1½ in.	5 lbs.	$ 4.00
111	⅛ to 2½ in.	11 lbs	5.25
112	⅛ to 3½ in.	20 lbs	8.25
113	¼ to 4½ in.	32 lbs	12.00
114	1 to 6 in.	49 lbs	25.00

TOLEDO

NOS. 1-T AND 2-T

Malleable iron frame and base, black finish. Polished steel lever and screw. Drop forged steel jaws. Will hold pipe, valves, fittings and everything that will go inside the jaws

No.	Holds pipe	Wt. each	Each
1-T	⅛ to 2½ in.	16 lbs.	$10.00
2-T	⅛ to 4½ in.	49 lbs.	20.00

VULCAN CHAIN

NOS. 1-V TO 4-V

Made from wrought steel, drop forged jaws, tempered.

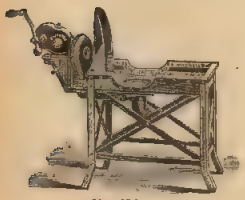
No.	Holds pipe	Wt each	Each
1-V	⅛ to 2 in.	4 lbs.	$ 7.00
2-V	⅛ to 4 in.	10 lbs	15.00
3-V	⅛ to 6 in.	18 lbs	27.00
4-V	¼ to 8 in.	30 lbs	36.00

All the above, loose.

PORTABLE FORGES

CHAMPION

The Champion Steel Forges are made from structural steel. The machinery is all enclosed in a tight casing and noiseless No belts or friction. Ball-bearings. Will produce blast to weld 4-inch iron in ten minutes. Crank can be turned either way.



No. 404

No. 405

No. 408

No. 404

Ball-bearing. Practical for government use, race horse stables, steam railroads, bridge and tank builders, boiler work of any kind, or for any use requiring a hearth of this size. With shield. Hearth 24x24 inches; height 30 inches; fan 9 inches in diameter.

No.	Wt. each	Each
404	170 lbs.	**$60.00**

No. 405

Ball-bearing. Adapted for tool makers, jewelers, bicycle repairers, tempering tools, tank builders, miners, prospectors, repairs on boilers, steam railroads, or any inside or outside work requiring a forge of this size. With half hood. Hearth 24x24 inches; height 30 inches; fan 9 inches in diameter.

No.	Wt. each	Each
405	180 lbs.	**$65.00**

No. 408

Ball-bearing. Adapted for any kind of horseshoer's and general blacksmith's work, including all railroad work from the lightest to the heaviest. With "whirlwind" blast anticlinker heavy nest Tuyere iron. With half hood. Hearth, 30x36 inches. Fan, 12 inches in diameter. Height, 30 inches.

No.	Wt. each	Each
408	300 lbs	**$100.00**

Note—Price does not include water tank.

EUREKA

No. 145-S

No. 145

No. 145-S

For farmers, garages, etc. **Hearth is stamped from one sheet of very heavy steel.** Machine cut gears. Gear ratio, 48 to 1. Fan 8 inches, hearth 18 inches in diameter; height, 30 inches. With shield

No.	Wt. each	Each
145-S	55 lbs.	**$18.00**

No. 145

For farmers, garages, etc. Machine cut gears. Fan 7 inches, hearth 18 inches in diameter; height, 30 inches. With shield.

No.	Wt. each	Each
145	65 lbs.	**$25.00**

TROJAN

No. 45

No. 42

No. 45

All cogs and gearing are in an oil-tight casing. Direct drive. Crank turns either way to make the blast. Fan 10 inches, hearth 22 inches in diameter. With shield.

No.	Wt. each	Each
45	115 lbs.	**$37.50**

No. 42

All cogs and gearing are in an oil-tight casing. Direct drive. Crank turns either way to make the blast. Hearth 23x25 inches; height 30 inches; fan 12 inches in diameter. With shield.

No.	Wt. each	Each
42	165 lbs.	**$50.00**

All the above, one in a crate.

NOS. 143 TO 144-A

GARAGE VISES

COLUMBIAN

For garage and household use. Steel sliding bar. Hardened anvil. Can be used as either stationary or swivel base. Hardened steel jaw faces. **Drop forged steel pipe jaws,** holding ¼ to 1½-inch pipe.

No.	Jaws	Opens	Wt. each	Each
143	3 in.	3½ in.	13 lbs.	$5.00
143½	3½ in.	4 in.	16 lbs.	6.00
144-A	4 in.	6 in.	26 lbs	8.25

One in a carton.

BLACKSMITHS' VISES

COLUMBIAN SPECIAL

COLUMBIAN SPECIAL

This wrought steel blacksmith vise is specially designed for those who wish a vise with larger jaws at a moderate price.

Each leg is forged from one piece of steel in the same manner as the standard blacksmith vises.

Painted black to prevent rust.

Shipped for export, knocked down, 10 vises in a strong shipping case. Explicit instructions with photograph for assembling are enclosed in each case.

Shipping weight of case approximately, 400 pounds.

	Jaws	Opens	Wt each	Each
Columbian Special	5 in.	3⅝ in.	35 lbs.	$10.00

Loose.

SOLID BOX

SOLID BOX

Forged steel body, jaws and hinge plate. Japanned finish body. Polished jaws, box and malleable iron bench plate. Polished steel screw and sliding lever handle. Steel spring between jaws.

No.	Jaws	Opens	Wt. each	Each
35	4 in.	3⅝ in.	35 lbs.	$10.00
50	4½ in.	4½ in.	50 lbs.	11.50
70	5 in.	5⅛ in.	70 lbs.	15.00
100	6 in.	6 in.	100 lbs.	22.00
125	6½ in.	6½ in.	125 lbs.	27.50
150	7 in.	7 in.	150 lbs.	30.00

Loose.

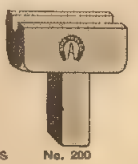
BLACKSMITHS' ANVIL TOOLS

Drop Forged Steel, Black Japan Finish.

TOP SWAGES

No. 190

BOTTOM SWAGES



No. 200

TOP SWAGES

No.	Size	Wt. each	Each
190	⅝ in.	2⅛ lbs.	$1.50
	½ in	2½ lbs	1.50
	⅝ in	2½ lbs.	1.50
	¾ in	3¼ lbs	2.00
	⅞ in	3¾ lbs.	2.00
1	in.	3⅜ lbs	2.00
1¼	in	3⅞ lbs	2.30
1½	in.	1⅛ lbs.	2.60
2	in	1⅜ lbs	2.90

BOTTOM SWAGES

No	Size	Wt each	Each
200	⅝ in.	2 lbs.	$1.50
	½ in	2½ lbs.	1.50
	⅝ in	2½ lbs.	1.70
	¾ in	2⅛ lbs.	2.00
	⅞ in	2⅛ lbs.	2.00
1	in.	3 lbs.	2.00
1¼	in.	3 lbs.	2.30
1½	in.	3½ lbs.	2.60
2	in.	4⅛ lbs.	2.90

Note—Carried in stock with shank to fit 1-inch hole.

ROUND EYE PUNCHES

No 270

No.	Diam. point	Stock at eye	Length	Wt each, lbs.	Each
270	¼ in.	1¼ in.	7⅛ in.	1¾	$1.20
	⅜ in.	1¼ in.	7¼ in.	1¾	1.20
	⅜ in.	1¼ in.	7¼ in.	1¾	1.20
	½ in.	1¼ in.	7½ in.	2	1.20
	⅝ in.	1¼ in.	7½ in.	2	1.50
	¾ in.	1⅜ in.	8 in.	2½	1.70

HEADING TOOLS

No. 280

No	Diam hole	Length	Wt each	Each
280	⅜ in.	15 in.	3 lbs	$2.00
	½ in.	15 in.	3 lbs	2.00
	⅝ in.	15 in.	3 lbs	2.60
	¾ in.	18½ in.	4½ lbs	2.60
	⅞ in.	18½ in.	1½ lbs	3.00
1	in.	18½ in.	4¾ lbs	3.00

Note—All weights given are approximate only.

Loose.

TWIST DRILLS

BIT STOCK

No. 114—CLEVELAND

For Metal or Wood.

Size by inches.

Diam., in.	Per doz.	Length over all	Diam., in.	Per doz.	Length over all	Diam., in	Per doz.	Length over all	Diam., in.	Per doz	Length over all
1-16	$2.50	3 1/8 in.	1-4	$5.00	5 in.	7-16	$10.50	6 1/2 in.	11-16	$21.00	7 1/2 in.
3-32	2.70	3 3/8 in.	9-32	6.00	5 1/4 in.	15-32	11.75	6 3/4 in.	3-4	24.00	7 1/2 in.
1-8	3.00	3 1/2 in.	5 16	7.00	5 1/2 in.	1 2	13.00	7 in	13-16	27.00	7 1/2 in.
5-32	3.50	4 1/8 in.	11 32	8.00	5 3/4 in.	17 32	14.25	7 1/8 in.	7-8	30.00	7 1/2 in.
2-16	4.00	4 1/4 in.	3 8	8.50	6 in.	9 16	15.50	7 1/2 in.	15-16	33.00	7 1/2 in.
7-32	4.50	4 3/4 in.	13-32	9.25	6 1/4 in.	5-8	18.00	7 1/2 in.	1	36.00	7 1/2 in.

1-16 to 3/4-inch, one dozen; 13-16 to 1 inch, one-half dozen in a wooden box.

For drills in sets, see page 261.

STRAIGHT SHANK

No. 108-A—CLEVELAND

Numbers by Stubs wire gauge.

Wire gauge Nos.	Per doz.	Wire gauge Nos.	Per doz.	Wire gauge Nos.	Per doz.
1 to 5	$2.75	21 to 25	$1.90	46 to 50	$1.65
6 to 10	2.50	26 to 30	1.80	51 to 55	1.60
11 to 15	2.25	31 to 40	1.75	56 to 60	1.55
16 to 20	2.00	41 to 45	1.70	61 to 80	1.50

One dozen in an envelope.

For drills in sets, see page 261.

STRAIGHT SHANK

No. 108—CLEVELAND

Size by inches.

Diam., in.	Per doz.	Length, in.	Diam., in.	Per doz.	Length, in	Diam., in	Per doz	Length, in.	Diam., in.	Per doz	Length, in.
1-32	$1.50	1 1/2	5-32	$1.90	3 1/4	9-32	$3.80	4 1/4	13-32	$ 7.00	5 1/4
3-64	1.55	1 3/4	11-64	2.00	3 3/8	19-64	4.00	4 3/8	27-64	7.75	5 3/8
1-16	1.60	2 1/2	3-16	2.25	3 1/2	5 16	4.35	4 1/2	7-16	8.50	5 1/2
5-64	1.65	2 5/8	13-64	2.30	3 5/8	21-64	4.70	4 5/8	29-64	9.25	5 5/8
3-32	1.70	2 3/4	7-32	2.75	3 3/4	11-32	5.05	4 3/4	15-32	10.00	5 3/4
7-64	1.75	2 7/8	15-64	3.00	3 7/8	23-64	5.50	4 7/8	31-64	11.00	5 7/8
1-8	1.80	3	1-4	3.25	4	3-8	6.00	5	1-2	12.00	6
9-64	1.85	3 1/8	17-64	3.50	4 1/8	25-64	6.50	5 1/8			

1-32 to 5-16-inch, one dozen; 21-64 to 1/2-inch, one-half dozen in an envelope.

For drills in sets, see page 261.

STRAIGHT SHANK—LONG SET

No. 110—CLEVELAND

Diam., in.	Each	Length, in.	Diam., in.	Each	Length, in.	Diam., in.	Each	Length, in	Diam., in.	Each	Length, in.
1-8	$0.45	5 1/8	19-64	$0.70	6 3/8	15 32	$1.10	7 1/2	25-32	$2.10	9 7/8
9-64	.45	5 3/8	5-16	.70	6 3/8	31-64	1.20	7 3/4	13-16	2.20	10
5-32	.45	5 3/8	21-64	.75	6 1/2	1 2	1.20	7 3/4	27-32	2.40	10 1/4
11 64	.50	5 3/4	11-32	.75	6 1/2	17 32	1.30	8	7-8	2.60	10 1/2
3 16	.50	5 3/4	23-64	.80	6 3/4	9 16	1.40	8 1/4	29-32	2.80	10 3/4
13-64	.55	5 7/8	3-8	.80	6 3/4	19-32	1.50	8 1/2	15-16	3.00	10 3/4
7-32	.55	5 7/8	25 64	.90	7	5 8	1.60	8 3/4	31-32	3.25	10 7/8
15-64	.60	6 1/8	13-32	.90	7	21-32	1.70	9	1	3.50	11
1-4	.60	6 1/8	27-64	1.00	7 1/4	11-16	1.80	9 1/4			
17-64	.65	6 1/4	7-16	1.00	7 1/4	23-32	1.90	9 1/2			
9-32	.65	6 1/4	29-64	1.10	7 1/2	3-4	2.00	9 3/4			

CHAMPION PORTABLE FORGES

BENCH

No. 135-S

No. 135-S

Specially designed for light work for miners, prospectors and farmers. Fan 7 inches, hearth 14x14 inches; height, 15 inches to top of hearth. With shield.

No.	Wt. each	Each
135-S	45 lbs.	$15.00

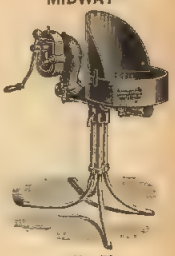
No. 78

Suitable for bridge builders, tank builders, contractors, boilermakers, miners and prospectors. Spiral geared. A complete and practical steel forge at a reasonable price. Crank turns either way to make the blast. Fan 10 inches, hearth 18 inches in diameter; height, 30 inches. With shield.

No.	Wt. each	Each
78	135 lbs.	$42.00

One in a crate.

MIDWAY



No. 78

BOILER-MAKERS' SCREW PUNCHES

Punches do not revolve with screw when punching.

NOS. 1 AND 2

With ½-inch punch and die, will punch ½-inch hole in ⅜-inch iron, 1½ inches from edge.

No.	Weight	Each
1	24 lbs.	$30.00

With ¾-inch punch and die, will punch ¾-inch hole in ½-inch iron, 2 inches from edge.

No.	Weight	Each
2	38 lbs.	$40.00

EXTRA PUNCHES AND DIES

¼, ⅛, ⅜, ⅛, ½, ⅛, ⅝, ⅛ or ¾-inch fits either No. 1 or No. 2 punch.

	Each
Extra Punches	$2.00
Extra Dies	2.00

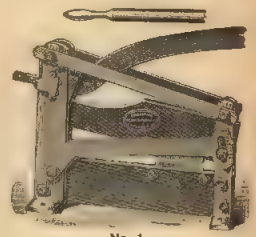
Loose.

CHAMPION SHEARS

Made of wrought iron and highest grade steel throughout, **fully warranted.** Knives, 6 inches long, ⅜-inch thick. Will cut 4x½-inch flat and 1-inch round or square iron.

No.	Weight	Each
1	255 lbs.	$100.00

Loose.



No. 1

RATCHET DRILLS

NOS. 12-C TO 18-C—SLEEVE

ARMSTRONG STANDARD COMBINATION

The Combination includes sleeve ratchet for Morse taper shank drills, square taper socket to fit same, and a short spindle with feed screw by means of which the ratchet can be converted into a boiler ratchet or adapted to use square taper shank drills. Size of drill sockets: No. 12-C, No. 1 square taper and No. 2 Morse taper; No. 15-C, No. 1 square taper and No. 3 Morse taper; No. 18-C, No. 1 square taper and No. 3 Morse taper.

No.	Length	Wt. each	Each
12-C	12 in.	5¼ lbs.	$11.50
15-C	15 in.	8 lbs.	13.50
18-C	18 in.	12 lbs.	16.00

One in a box.

NOS. 1-DA AND 2-DA—SLEEVE

BILLINGS DOUBLE ACTING

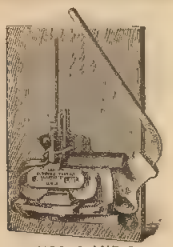
Drop forged steel, can be changed from right to left-hand drilling by moving the pawl from right to left. Size of drill sockets: No 1-DA, No. 1 square taper and Nos. 1 and 2 Morse taper; No. 2-DA, No. 1 square taper and Nos. 2 and 3 Morse taper.

No.	Length	Wt. each	Each
1-DA	10⅝ in.	5¾ lbs.	$15.00
2-DA	13¾ in.	8½ lbs.	20.00

One in a box.

TIRE UPSETTERS

STODDARDS LIGHTNING



NOS. 2 AND 3

One man can operate. Will take the tires on the flat side. With clamping head which prevents the tire from kinking. No. 2, 4-inch machine, will upset any tire up to 4 inches wide. No. 3, 4-inch machine, has sets of loose jaws. Can be adjusted for large or small circles, and also for upsetting axles up to 1¾ inches thick.

No.	Wt. each	Each
2	250 lbs.	$34.00
3	275 lbs.	42.00

Loose.

TIRE MEASURING WHEELS

Accurately graduated, with index hand. Raised figures, 24 inch circle.

	Wt. each	Each
Tire Measuring Wheel	1½ lbs.	$3.00

One in a box.

SWAGE BLOCKS

No. 1 No. 2 No. 3

No.	Size	Approx. weight	Per pound
1	18x18x5 in.	310 lbs.	$0.15
2	15x15x4½ in.	185 lbs.	.15
3	12x12x4 in.	115 lbs.	.15

BLACKSMITHS' CONES OR MANDRELS

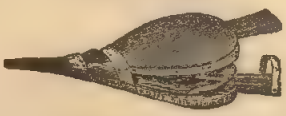
NOS. 1 AND 2

Dimensions: No. 1—Height, 48 inches; diameter top, 3½ inches; diameter bottom, 16½ inches. No. 2—Height, 42 inches; diameter top, 2½ inches; diameter bottom, 12½ inches.

No.	Approx. weight	Per pound
1	300 lbs.	$0.20
2	150 lbs.	.20

All the above, loose.

BELLOWS



Hardwood boards, rough leather sides, faced with plain leather strips, studded with tacks. Japanned steel cap and funnel; leather valve flap. Hand bellows have one hole; moulders' bellows, two holes

HAND

Size	Wt. each	Each
8 in.	1½ lbs.	$2.00
10 in.	2½ lbs.	2.50
12 in.	3½ lbs.	3.00

MOULDERS'

Size	Wt. each	Each
10 in.	2½ lbs.	$5.00
12 in.	3½ lbs.	6.00
14 in.	4 lbs.	7.00

Loose.

POCKET KNIVES

REMINGTON

Remington Cutlery is made by one of the largest and best equipped factories in the United States. Blades are of the highest grade steel, hand forged and tempered. "The prime function of a pocket knife is to cut—to cut keenly."

Moisture and Dust-proof Package.

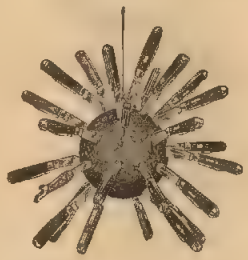
Remington pocket knives come to you properly packed—protected by a wrapper of glassene paper that excludes moisture and dust, keeping them in the same condition in which they leave the cutlery works.

DISPLAY BOXES

Made of heavy cardboard, double thickness sides, covered with soil-proof pebble grained green paper. Wood top, covered with green plush. Space for displaying two knives on top, and room for half dozen or more under hinged cover.

No.	Size in.	Each
RD-1	4½x6x2½	$0.25

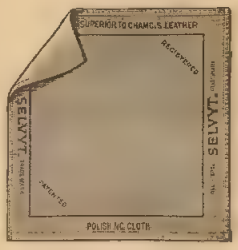
CORK BALLS



Large, round cork balls, suitable for displaying a large number of pocket knives, razors, scissors, shears, etc.

No.	Diameter	Each
X-6	6 in.	$3.50
X-8	8 in.	5.00

SELVYT CLOTHS



NOS. A AND B

A high grade imported plush. Made and treated for the express purpose of polishing cutlery, silverware, etc.

No.	Size, in.	Per doz.
A	10½x10½	$10.80
B	14 x14	15.00

MARKING INK

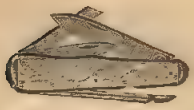
For marking pocket knives, shears, razors, tin, enamelware, china, tools, etc. Will not rust or stain.

No.	Size	Per doz.
1	2-oz bottles	$6.00

Loose.

POCKET KNIVES

REMINGTON



No. R-6454

Pearl handle, 3⅛ inches; milled nickel silver lining, nickel silver tips. Blades full crocus polished. Three blades and nail file on back.

No.	Wt. per doz.	Per doz.
R-6454	1 lb.	$96.00

No. R-7364

Pearl handle, 2⅝ inches; full milled lining, nickel silver shackle. One spear, one pen, one scissor blade and nail file on back.

No.	Wt. per doz.	Per doz.
R-7364	1 lb.	$96.00

No. R-6234

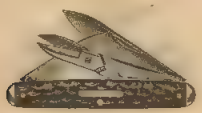
Pearl handle, 3¼ inches; brass lining and silver tips. Three blades and manicure file

No.	Wt. per doz.	Per doz.
R-6234	1 lb	$56.00

No. R-6233

Stag handle, 3¼ inches; brass lining, nickel silver tips. Three blades and nail file.

No.	Wt. per doz.	Per doz.
R-6233	1 lb.	$30.00



No. R-7403

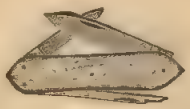
Stag handle, 3¼ inches; nickel silver tips, shield and rivets. Milled lining. Large spear, pen and scissor blades.

No.	Wt. per doz.	Per doz.
R-7403	1 lb.	$48.00

No. R-7404

Pearl handle, 3¼ inches; milled lining, nickel silver tips. Large spear, pen and scissor blades, all full crocus.

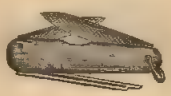
No.	Wt. per doz.	Per doz.
R-7404	1 lb.	$72.00



No. R-6554

Pearl handle, 3 inches; full milled nickel silver lining. Blades full crocus polished. Two blades and nail file on back.

No.	Wt. per doz.	Per doz.
R-6554	1 lb.	$64.00



No. R-7384

Pearl handle, 2⅝ inches; nickel silver shackle, full milled lining. Large spear and pen blades and manicure file blade on back.

No.	Wt. per doz.	Per doz.
R-7384	¾ lb.	$56.00

No. R-7274

Pearl handle, 2⅝ inches; milled lining. Three blades. One large spear, one pen, one manicure file blade.

No	Wt. per doz	Per doz.
R-7274	½ lb	$54.00

No. R-6434

Pearl handle, 2¾ inches; milled brass lining. Blades full crocus polished. Two blades and nail file on back. Nickel silver shackle.

No.	Wt. per doz.	Per doz.
R-6434	¾ lb.	$56.00

All the above, one half dozen in a box.

No. R-7034

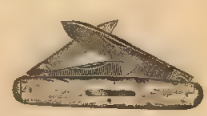
Pearl handle, 2½ inches; milled nickel silver lining. Blades full crocus polished. One large spear, one pen and one manicure blade. Nickel silver shackle.

No.	Wt. per doz.	Per doz.
R-7034	½ lb.	$48.00

No. R-6443

Stag handle, 2¾ inches; milled brass lining, nickel silver bolsters. Spear, pen and manicure blades.

No.	Wt. per doz.	Per doz.
R-6443	1 lb.	$40.00



No. R-6224

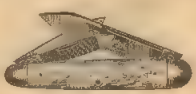
Pearl handle, 3¼ inches; brass lining, nickel silver tips. Spear, pen and manicure blades.

No.	Wt. per doz.	Per doz.
R-6224	¾ lb.	$54.00

No. R-6534

Pearl handle, 3 inches; brass lining, nickel silver tips. Master blade etched. Two blades and nail file.

No.	Wt. per doz.	Per doz.
R-6534	1 lb.	$48.00



No. R-6334

Pearl handle, 3⅛ inches; milled brass lining, nickel silver bolsters. Two blades and nail file.

No.	Wt. per doz.	Per doz.
R-6334	1¼ lbs.	$48.00

POCKET KNIVES

REMINGTON

No. R-7343

Stag handle, 3 1/2 inches; brass lining, nickel silver cap and bolster. One large spear, pen blade and corkscrew.

No.	Wt. per doz.	Per doz.
R-7343	1 1/4 lbs.	$42.00

No. R-6223

Stag handle, 3 1/4 inches; brass lining, nickel silver tips. Spear, pen and manicure blades.

No.	Wt. per doz.	Per doz.
R-6223	1 1/4 lbs.	$28.00

No. R-6655-F

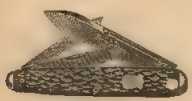
Silver horn pyremite handle, 3 1/4 inches; brass lining, nickel silver tips. Two blades and nail file.

No.	Wt. per doz.	Per doz.
R-6655-F	1 1/2 lbs.	$28.00

No. R-6330

Genuine black buffalo horn handle, 3 1/2 inches; milled brass lining, nickel silver shield and bolsters. One large spear, pen and file blades.

No.	Wt. per doz.	Per doz.
R-6330	1 1/4 lbs.	$28.00



No. R-6653

Stag handle, 3 1/2 inches; brass lining, nickel silver tips. Spear, pen and manicure blades.

No.	Wt. per doz.	Per doz.
R-6653	1 1/2 lbs.	$27.00

No. R-6333

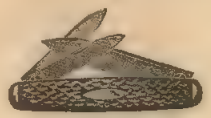
Stag handle, 3 1/2 inches; milled brass lining, nickel silver bolsters. Two blades and nail file.

No.	Wt. per doz.	Per doz.
R-6333	1 1/4 lbs.	$27.00

No. R-6533

Stag handle, 3 inches; brass lining, nickel silver tips. Master blade etched. Two blades and nail file.

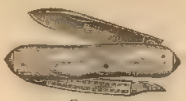
No.	Wt. per doz.	Per doz.
R-6533	1 lb.	$27.00



No. R-6803

Stag handle, 3 3/4 inches; brass lining, nickel silver tips, shield and rivets. One large spear, pen and file blades.

No.	Wt. per doz.	Per doz.
R-6803	1 1/2 lbs.	$24.00



No. R-6244

Pearl handle, 3 1/2 inches; nickel silver lining and tips. Crocus polished. One blade and nail file.

No.	Wt. per doz.	Per doz.
R-6244	1 lb.	$48.00

No. R-6644

Pearl handle, 3 1/2 inches; brass lining, nickel silver tips. Spear and pen blades.

No.	Wt. per doz.	Per doz.
R-6644	3/4 lb.	$42.00

All the above, one-half dozen in a box.

No. R-6634

Pearl handle, 3 1/2 inches; brass lining, nickel silver bolster and tip. One blade and nail file.

No.	Wt. per doz.	Per doz.
R-6634	3/4 lb.	$37.50

No. R-7084

Pearl handle, 2 3/4 inches; milled nickel silver lining and shackle. Full crocus polished

No.	Wt. per doz.	Per doz.
R-7084	1/2 lb.	$42.00

No. R-6504

Pearl handle, 3 inches; brass lining, nickel silver tips, nickel silver shackle. One blade and nail file.

No.	Wt. per doz	Per doz.
R-6504	3/4 lb.	$42.00

No. R-6474

Pearl handle, 3 inches, nickel silver bolsters and lining. One spear blade and one nail file.

No.	Wt. per doz.	Per doz.
R-6474	3/4 lb.	$36.00

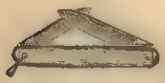
No. R-6243

Stag handle, 3 1/4 inches; brass lining, nickel silver tips. One spear and one manicure blade.

No.	Wt. per doz.	Per doz.
R-6243	1 lb.	$24.00

POCKET KNIVES

REMINGTON



No. R-6904

Pearl handle, 2⅛ inches; milled nickel silver lining, tips and shackle. One large pen and one small pen blade.

No.	Wt. per doz.	Per doz.
R-6904	½ lb.	$24.00

No. R-6735

Pyremite handle, 3¼ inches; brass lining, nickel silver tips. One spear and one pen blade.

No.	Wt. per doz.	Per doz.
R-6735	1 lb.	$20.00

No. R-6733

Stag handle, 3¼ inches; brass lining, nickel silver tips. One spear and one pen blade.

No.	Wt. per doz.	Per doz.
R-6733	¾ lb.	$18.00

No. R-6193

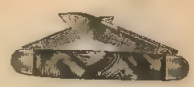
Stag handle, 3¼ inches; brass lining, nickel silver bolsters. One spear and one pen blade.

No.	Wt. per doz.	Per doz.
R-6193	¾ lb.	$18.00

No. R-6645-M

Brown pyremite agate handle, 3⅛ inches; brass lining, nickel silver tips. One spear and one pen blade.

No.	Wt. per doz.	Per doz.
R-6645-M	¾ lb.	$18.00



No. R-6465

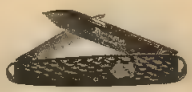
Assorted colors pyremite handles, 3 inches; brass lining, nickel silver bolsters. One spear and one pen blade.

No.	Wt. per doz.	Per doz.
R-6465	¾ lb.	$18.00

No. R-6633

Stag handle, 3⅛ inches; nickel silver bolster and tip, brass lining. One spear and one manicure blade.

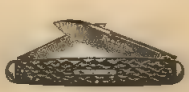
No.	Wt. per doz.	Per doz.
R-6633	¾ lb.	$18.00



No. R-6643

Stag handle, 3⅛ inches; brass lining, nickel silver tips. One spear and one pen blade.

No.	Wt. per doz.	Per doz.
R-6643	¾ lb.	$16.00



No. R-6483

Stag handle, 3 inches; brass lining, nickel silver tips. Two blades.

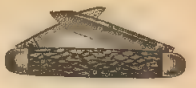
No.	Wt. per doz.	Per doz.
R-6483	¾ lb.	$16.00

No. R-6473

Stag handle, 3 inches; brass lining, nickel silver bolsters. One blade and nail file.

No.	Wt. per doz.	Per doz.
R-6473	¾ lb.	$16.00

All the above, one-half dozen in a box.



No. R-6463

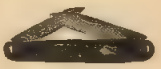
Stag handle, 3 inches; brass lining, nickel silver bolsters. One spear and one pen blade.

No.	Wt. per doz.	Per doz.
R-6463	½ lb.	$16.00

No. R-6903

Stag handle, 2⅛ inches; milled nickel silver lining and tips. Two pen blades.

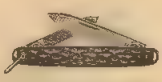
No.	Wt. per doz.	Per doz.
R-6903	½ lb.	$16.00



No. R-6865

Silver horn pyremite handle, 2⅝ inches; brass lining, nickel silver tips. Two pen blades.

No.	Wt. per doz.	Per doz.
R-6865	½ lb.	$16.00



No. R-7713

Stag handle, 2½ inches; nickel silver tips, lining and shackle. One pen and one file blade.

No.	Wt. per doz.	Per doz.
R-7713	½ lb.	$16.00

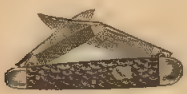
POCKET KNIVES

REMINGTON

No. R-6724

Pearl handle, 3⅛ inches; nickel silver lining and bolsters. Clip, pen and manicure blades.

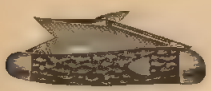
No.	Wt. per doz.	Per doz
R-6724	1¼ lbs.	$48.00



No. R-6723

Stag handle, 3⅛ inches; brass lining, nickel silver bolsters. Clip, pen and manicure blades.

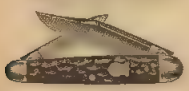
No.	Wt. per doz.	Per doz.
R-6723	1¼ lbs.	$27.00



No. R-7463

Stag handle, 3⅝ inches; nickel silver bolsters, shield, rivets and lining. One large clip and pen blades.

No.	Wt. per doz.	Per doz.
R-7463	1¾ lbs.	$22.00



No. R-7423

Stag handle, 3⅛ inches; brass lining, nickel silver bolsters and shield. One large clip and pen blades.

No.	Wt. per doz.	Per doz.
R-7423	¾ lb.	$16.00

No. R-1493

Stag handle, 3⅛ inches; nickel silver lining, bolsters and shield. One large clip and pen blades.

No.	Wt. per doz.	Per doz.
R-1493	1 lb.	$18.00

No. R-1323

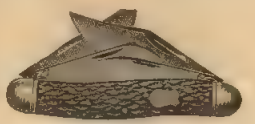
Stag handle, 3 inches; brass lining, nickel silver bolster, cap and shield. Large clip and pen blades.

No.	Wt. per doz.	Per doz.
R-1323	1½ lbs.	$16.00

No. R-3713

Stag handle, 3⅞ inches; nickel silver lining and bolsters. Clip, spey, punch and cut-off pen blades.

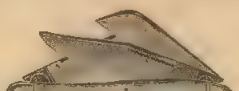
No.	Wt. per doz.	Per doz.
R-3713	2¾ lbs.	$36.00



No. R-3883

Stag handle, 3⅞ inches; milled nickel silver lining and bolsters. Four blades.

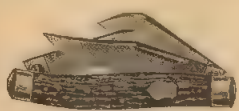
No.	Wt. per doz.	Per doz.
R-3883	2¾ lbs.	$36.00



No. R-3604

Pearl handle, 3⅞ inches, milled nickel silver lining and bolsters. Three blades.

No.	Wt. per doz.	Per doz.
R-3604	2½ lbs.	$72.00

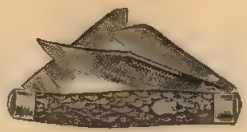


No. R-3056

Genuine stag handle, 3⅞ inches; milled nickel silver lining and bolsters. Three blades

No.	Wt. per doz.	Per doz.
R-3056	2¼ lbs.	$42.00

All the above, one-half dozen in a box.



No. R-4113

Stag handle, 3⅞ inches; milled nickel silver lining and bolsters. Three blades.

No.	Wt. per doz.	Per doz.
R-4113	2½ lbs.	$36.00

No. R-4563

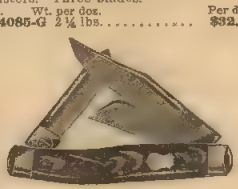
Stag handle, 4¼ inches, brass lining; nickel silver cap and bolster. Large clip, sheep foot and spey blades.

No.	Wt. per doz.	Per doz.
R-4563	2½ lbs.	$32.00

No. R-4085-G

Gold pearl pyremite handle, 3⅞ inches; milled nickel silver lining and bolsters. Three blades.

No.	Wt. per doz.	Per doz.
R-4085-G	2¼ lbs.	$32.00



No. R-3050

Genuine black buffalo horn handle, 3⅞ inches; milled brass lining, nickel silver bolsters. Three blades.

No.	Wt. per doz.	Per doz.
R-3050	2½ lbs.	$32.00

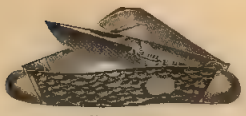
No. R-3923

Stag handle, 3⅞ inches; milled nickel silver lining and bolsters. Three blades.

No.	Wt. per doz.	Per doz.
R-3923	2¼ lbs.	$32.00

POCKET KNIVES

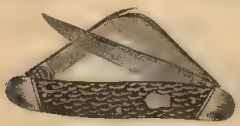
REMINGTON



No. R-4083

Stag handle, 3⅞ inches; milled nickel silver lining and bolsters. Three blades.

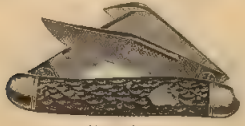
No.	Wt. per doz.	Per doz.
R-4083	2¼ lbs.	$30.00



No. R-4323

Stag handle, 3⅞ inches; milled nickel silver lining and bolsters. Three blades.

No.	Wt. per doz.	Per doz.
R-4323	2¼ lbs.	$30.00



No. R-3603

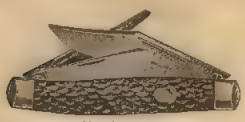
Stag handle, 3⅞ inches; milled nickel silver lining and bolsters. Three blades.

No.	Wt. per doz.	Per doz.
R-3603	2¼ lbs.	$30.00

No. R-3063

Stag handle, 3⅞ inches; milled brass lining, nickel silver bolsters. Two blades and leather punch.

No.	Wt. per doz.	Per doz.
R-3063	2½ lbs.	$30.00



No. R-3073

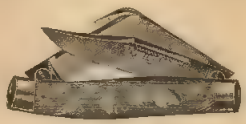
Stag handle, 3⅞ inches; milled brass lining, nickel silver bolsters. Clip, spey and punch blades.

No.	Wt. per doz.	Per doz.
R-3073	2½ lbs.	$30.00

No. R-4273

Stag handle, 3¾ inches; milled nickel silver lining and bolsters. Large clip, spey and sheep foot blades.

No.	Wt. per doz.	Per doz.
R-4273	2½ lbs.	$30.00



No. R-3055-L

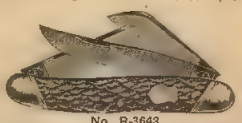
Cornelian pyremite handle, 3⅞ inches, brass lining, nickel silver bolsters. Large clip, spey and sheep foot blades.

No.	Wt. per doz	Per doz.
R-3055-L	2½ lbs.	$30.00

No. R-3053

Stag handle, 3⅞ inches; milled brass lining, nickel silver bolsters. Clip, sheep foot and spey blades.

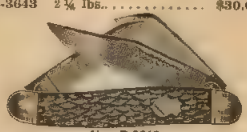
No.	Wt. per doz.	Per doz.
R-3053	2½ lbs.	$28.00



No. R-3643

Stag handle, 3⅞ inches; milled nickel silver lining and bolsters. Turkish clip, spey and sheep foot blades.

No.	Wt. per doz.	Per doz.
R-3643	2¼ lbs.	$30.00



No. R-3613

Stag handle, 3⅞ inches; brass lining, nickel silver bolsters. Three blades.

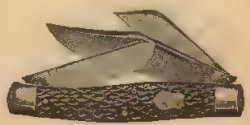
No.	Wt. per doz.	Per doz.
R-3613	2¼ lbs.	$28.00

All the above, one-half dozen in a box.

No. R-3873

Stag handle, 3⅞ inches; milled brass lining, nickel silver bolsters. Three blades.

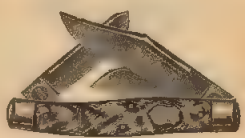
No.	Wt. per doz.	Per doz.
R-3873	2½ lbs.	$28.00



No. R-3553

Stag handle, 3⅞ inches; brass lining, polished steel bolsters. Clip, spey and sheep foot blades.

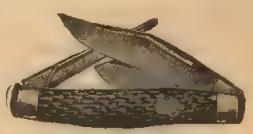
No.	Wt. per doz	Per doz.
R-3553	2½ lbs.	$24.00



No. R-3555-G

Gold pearl pyremite handle, 3⅞ inches; brass lining, polished steel bolsters. Clip, spey and sheep foot blades.

No.	Wt. per doz.	Per doz.
R-3555-G	2½ lbs.	$24.00



No. R-3563

Stag handle, 3⅞ inches; brass lining, milled center scale. Reinforcement in punch side. Polished steel bolsters. Large clip, spey and punch blades.

No.	Wt. per doz.	Per doz.
R-3563	2½ lbs.	$24.00

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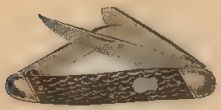


No. R-4303

Stag handle, 3⅝ inches; milled nickel silver lining and bolsters. Three blades.

No.	Wt. per doz.	Per doz.
R-4303	1¾ lbs.	$28.00

No. R-3993

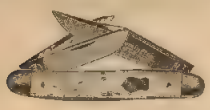
Stag handle, 3⅝ inches; milled brass lining, nickel silver bolsters. Three blades.

No.	Wt. per doz.	Per doz.
R-3993	1¾ lbs.	$27.00

No. R-3973

Stag handle, 3⅝ inches; brass lining, nickel silver bolsters. Three blades.

No.	Wt. per doz.	Per doz.
R-3973	1¾ lbs.	$27.00



No. R-3524

Pearl handle, 3⅜ inches; brass lining, nickel silver bolsters. Three blades.

No.	Wt. per doz.	Per doz.
R-3524	1¼ lbs.	$48.00

No. R-3500

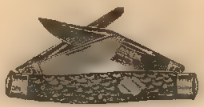
Genuine black buffalo horn handle, 3⅝ inches; milled nickel silver lining and bolsters. Three blades.

No.	Wt. per doz.	Per doz.
R-3500	1¼ lbs.	$28.00

No. R-3505-L

Cornelian pyremite handle, 3⅝ inches; nickel silver lining and bolsters. Clip, spey and sheep foot blades.

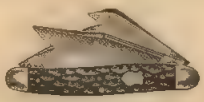
No	Wt per doz.	Per doz.
R-3505-L	1¼ lbs.	$28.00



No. R-3513

Stag handle, 3⅝ inches; brass lining, nickel silver bolsters. Clip, spey and punch blades.

No.	Wt. per doz.	Per doz.
R-3513	1¼ lbs.	$27.00



No. R-4403

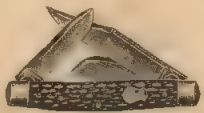
Stag handle, 3⅝ inches; nickel silver lining, bolsters and shield. Clip, sheep foot and pen blades.

No.	Wt. per doz.	Per doz.
R-4403	1¼ lbs	$27.00

No. R-3523

Stag handle, 3⅝ inches; brass lining, nickel silver bolsters. Three blades.

No.	Wt. per doz.	Per doz.
R-3523	1¼ lbs.	$27.00



No. R-3483

Stag handle, 3⅝ inches; brass lining, nickel silver bolsters. Clip, sheep foot and pen blades.

No.	Wt. per doz.	Per doz.
R-3483	1¼ lbs.	$24.00

All the above, one-half dozen in a box.

No. R-3493

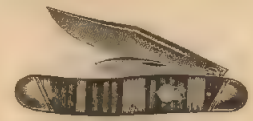
Stag handle, 3⅝ inches; brass lining, nickel silver bolsters. Three blades.

No.	Wt. per doz.	Per doz.
R-3493	1¼ lbs.	$24.00

No. R-3895-M

Brown agate pyremite handle; 3⅞ inches; milled nickel silver lining and bolsters. Two blades.

No.	Wt. per doz.	Per doz.
R-3895-M	2 lbs.	$27.00



No. R-625

Cornelian pyremite handle, 3⅞ inches; brass lining, nickel silver cap and bolster Two blades.

No.	Wt. per doz	Per doz.
R-625	2 lbs.	$24.00

No. R-3893

Stag handle, 3⅞ inches; milled nickel silver lining, nickel silver bolsters. Two blades.

No.	Wt. per doz.	Per doz.
R-3893	2 lbs.	$24.00

No. R-3113

Stag handle, 3⅞ inches; brass lining, nickel silver bolsters. Clip and spey blades.

No.	Wt. per doz.	Per doz.
R-3113	2 lbs.	$22.00

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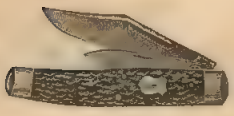


No. R-263

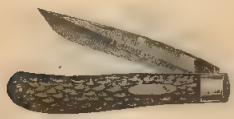
Stag handle, 3⅞ inches; brass lining, nickel silver cap and bolster. Clip and pen blades.

No.	Wt. per doz.	Per doz.
R-263	2 lbs.	$22.00

No. R-603

Stag handle, 3⅝ inches; brass lining, nickel silver cap and bolster.

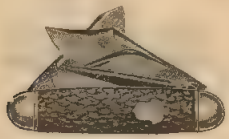
No.	Wt. per doz.	Per doz.
R-603	1⅛ lbs.	$18.00



No. R-303

Stag handle, 3¾ inches; brass lining, steel bolster. Long Turkish clip blade

No.	Wt. per doz.	Per doz.
R-303	2 lbs.	$16.00



No. R-3313

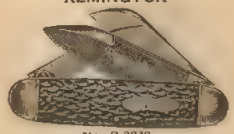
Stag handle, 3¾ inches, milled brass lining, nickel silver bolsters. Three blades and leather punch.

No.	Wt. per doz.	Per doz.
R-3313	2¾ lbs.	$32.00

No. R-6543

Stag handle, 3¾ inches; milled brass lining, nickel silver bolsters. Two blades and leather punch.

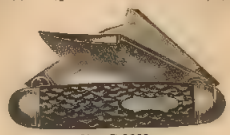
No.	Wt. per doz.	Per doz.
R-6543	1½ lbs.	$32.00



No. R-3273

Stag handle, 3¾ inches; milled brass lining, nickel silver bolsters. Three blades.

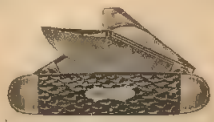
No.	Wt. per doz.	Per doz.
R-3273	2½ lbs.	$28.00



No. R-3253

Stag handle, 3¾ inches; milled brass lining, nickel silver bolsters. Three blades.

No.	Wt. per doz.	Per doz.
R-3253	2½ lbs.	$28.00



No. R-3203

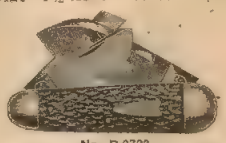
Cattle knife. Stag handle, 3½ inches; brass lining, polished steel bolsters. Has one clip, one sheep foot and one spey blade.

No.	Wt. per doz.	Per doz.
R-3203	2¼ lbs.	$24.00

No. R-3424

Pearl handle, 3⅜ inches, milled brass lining nickel silver bolsters Spear and two pen blades.

No.	Wt. per doz.	Per doz.
R-3424	1½ lbs.	$48.00



No. R-3723

Stag handle, 3⅝ inches, brass lining, nickel silver bolsters. Three blades.

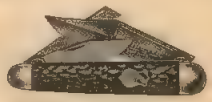
No.	Wt. per doz.	Per doz.
R-3723	2⅝ lbs.	$32.00

All the above, one-half dozen in a box.

No. R-7493

Stag handle, 3⅝ inches; nickel silver bolsters, shield and milled lining. One large clip, small clip and pen blades.

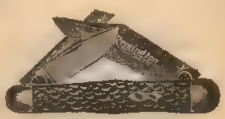
No.	Wt. per doz.	Per doz.
R-7493	1⅝ lbs.	$32.00



No. R-6393

Carpenter's knife Stag handle, 3⅝ inches, milled brass lining, nickel silver bolsters. Three blades.

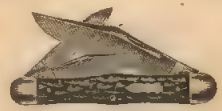
No.	Wt. per doz.	Per doz.
R-6393	1½ lbs.	$30.00



No. R-6343

Stag handle. 3½ inches; brass lining, nickel silver bolsters One large clip, small clip and cut-off pen blades.

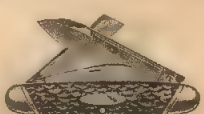
No.	Wt. per doz.	Per doz.
R-6343	1¾ lbs.	$28.00



No. R-7433

Stag handle, 3½ inches; brass lining, nickel silver bolsters and shield. One large clp, small clip and pen blades.

No.	Wt. per doz.	Per doz.
R-7433	1¾ lbs.	$28.00



No. R-3423

General service knife. Stag handle, 3⅝ inches, milled brass lining, nickel silver bolsters. Three blades.

No.	Wt. per doz.	Per doz.
R-3423	1½ lbs	$24.00

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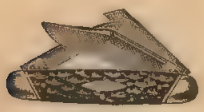
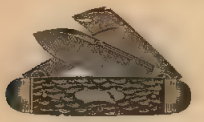


No. R-4413

Stag handle, 3⅜ inches; brass lining, diagonal nickel silver bolsters and shields. One large clip, pen and cut-off pen blades.

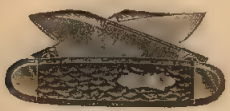
No.	Wt. per doz.	Per doz.
R-4413	1½ lbs.	$24.00



No. R-4223

Stag handle, 3¼ inches; brass lining, nickel silver bolsters and shield. One large spear, sheep foot and pen blades

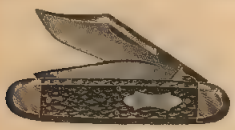
No.	Wt. per doz.	Per doz.
R-4223	1⅝ lbs	$24.00



No. R-3363

Stag handle, 3¼ inches; brass lining, nickel silver bolsters. Two blades.

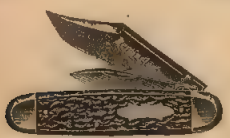
No.	Wt. per doz.	Per doz.
R-3363	2⅛ lbs.	$24.00



No. R-3383

Stag handle, 3¾ inches; brass lining, nickel silver bolsters. Two blades.

No.	Wt. per doz.	Per doz.
R-3383	2¼ lbs.	$22.00



No. R-383

Stag handle, 3¾ inches; brass lining, nickel silver cap and bolster.

No.	Wt. per doz.	Per doz.
R-383	2¼ lbs.	$22.00

No. R-3373

Stag handle, 3¾ inches; brass lining, nickel silver bolsters. Spear and pen blades.

No.	Wt. per doz.	Per doz.
R-3373	2¼ lbs.	$21.50

No. R-515-E

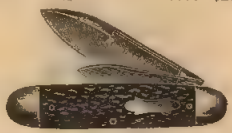
Pearl emerald pyremite handle, 3½ inches; brass lining, nickel silver cap and bolster. Two blades.

No.	Wt. per doz.	Per doz.
R-515-E	2¼ lbs.	$21.50

No. R-333

Stag handle, 3¾ inches; brass lining, nickel silver cap and bolster. Two blades.

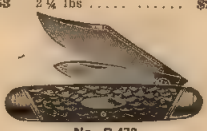
No.	Wt. per doz.	Per doz.
R-333	2¼ lbs.	$20.00



No. R-353

Stag handle, 3¾ inches; brass lining, polished steel cap and bolster. Spear and pen blades.

No.	Wt. per doz	Per doz.
R-353	2¼ lbs	$20.00



No. R-473

Stag handle, 3⅝ inches; brass lining, nickel silver cap and bolster. Two blades.

No.	Wt. per doz.	Per doz.
R-473	1½ lbs.	$20.00

All the above, one-half dozen in a box.

No. R-573

Stag handle, 3¼ inches, brass lining, nickel silver cap and bolster. Clip and pen blades.

No.	Wt. per doz	Per doz.
R-573	1⅝ lbs	$18.00

No. R-203

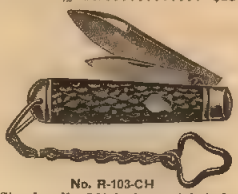
Stag handle, 3⅝ inches; easy opener; brass lining, polished steel cap and bolster. Spear and pen blades.

No.	Wt. per doz.	Per doz.
R-203	2½ lbs.	$18.00

No. R-7613

Stag handle, 3 inches; brass lining, nickel silver bolsters and shield. Spear and pen blades.

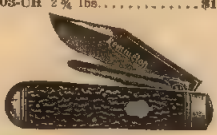
No.	Wt. per doz.	Per doz.
R-7613	1½ lbs.	$18.00



No. R-103-CH

Stag handle, 3½ inches; nickel plated chain, 18 inches long; brass lining, polished steel cap and bolster. Two blades.

No.	Wt. per doz.	Per doz.
R-103-CH	2⅝ lbs.	$17.50



No. R-733

Stag handle, 3½ inches; brass lining, polished steel cap and bolster. One blade and leather punch.

No.	Wt. per doz.	Per doz.
R-733	2⅛ lbs.	$16.00

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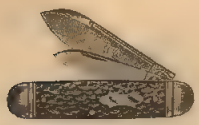


No. R-553

Stag handle, 3¼ inches; brass lining, polished steel cap and bolster. Two blades.

No.	Wt. per doz.	Per doz.
R-553	1¾ lbs.	$16.00

No. R-3443

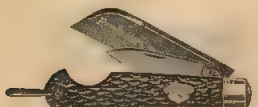
Stag handle, 3½ inches; brass lining, nickel silver bolsters. Two blades.

No.	Wt. per doz.	Per doz.
R-3443	1½ lbs.	$16.00

No. R-4473

Stag handle, 3¼ inches; brass lining, nickel silver bolsters, shield and rivets. One clip and pen blades.

No.	Wt. per doz.	Per doz.
R-4473	1½ lbs.	$16.00



No. R-963

Stag handle, 3½ inches; easy opener; brass lining, polished steel bolster, nickel silver shackle. Sheep foot and pen blades.

No.	Wt. per doz.	Per doz.
R-963	2⅛ lbs.	$18.00

No. R-413

Stag handle, 3½ inches; easy opener; brass lining, polished steel cap and bolster. Spear and pen blades.

No.	Wt. per doz.	Per doz.
R-413	2⅛ lbs.	$16.00

No. R-93

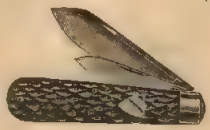
Stag handle, 3½ inches; brass lining, steel bolster. Large clip and punch blades

No.	Wt. per doz.	Per doz.
R-93	1¾ lbs.	$16.00

No. R-1065-W

White ivory pyremite handle, 3⅝ inches; brass lining, steel bolster. Two blades.

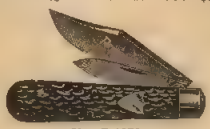
No.	Wt. per doz.	Per doz.
R-1065-W	1⅝ lb	$18.00



No. R-1063

Stag handle, 3⅝ inches; brass lining, steel bolster. Two blades.

No.	Wt. per doz.	Per doz.
R-1063	1⅝ lbs.	$12.00



No. R-1073

Stag handle, 3⅝ inches; brass lining, steel bolster. Two blades.

No.	Wt. per doz.	Per doz.
R-1073	1⅝ lbs	$12.00

No. R-33-CH

Stag handle, 3⅝ inches; steel lining and bolster. Shackle and 18-inch nickel plated chain. Two blades.

No.	Wt. per doz.	Per doz.
R-33-CH	2½ lbs.	$10.50

All the above, one-half dozen in a box.

No. R-23-CH

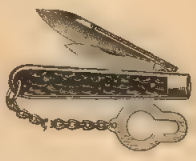
Stag handle, 3⅝ inches; steel lining, steel bolster; nickel plated chain, 18 inches long. Two blades.

No.	Wt. per doz.	Per doz.
R-23-CH	2 lbs.	$10.50

No. R-1623-CH

Hard fibre stag handle, 3 inches; steel bolster and lining, 18-inch nickel plated chain. Two blades.

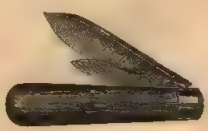
No.	Wt. per doz.	Per doz.
R-1623-CH	2 lbs.	$9.60



No. R-1573-CH

Hard fibre stag handle, 3 inches; steel bolster and lining, 18-inch nickel plated chain. Two blades.

No.	Wt. per doz.	Per doz.
R-1573-CH	2 lbs.	$9.60



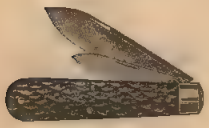
No. R-21

Rosewood handle, 3⅝ inches; steel lining, steel bolster. Two blades.

No.	Wt. per doz.	Per doz.
R-21	1⅝ lbs.	$9.50

POCKET KNIVES

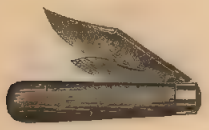
REMINGTON



No. R-23

Stag handle, 3⅝ inches; steel lining, steel bolster. Spear and pen blades.

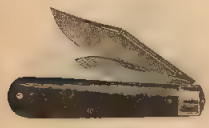
No.	Wt per doz.	Per doz.
R-23	1⅝ lbs.	$9.50



No. R-31

Rosewood handle, 3⅝ inches; steel lining, steel bolster. Two blades.

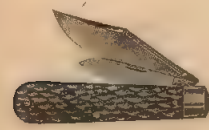
No.	Wt. per doz.	Per doz.
R-31	1⅝ lbs.	$9.50



No. R-32

Black handle, 3⅝ inches; steel lining, steel bolster. Two blades.

No.	Wt. per doz	Per doz.
R-32	1⅝ lbs	$9.50



No. R-33

Stag handle, 3⅝ inches; steel lining, steel bolster. Two blades.

No.	Wt. per doz.	Per doz.
R-33	1⅝ lbs.	$9.50

No. RB-44

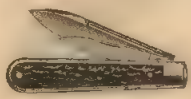
Brown bone handle, 3⅝ inches; steel lining, long steel bolster. Two blades

No.	Wt. per doz	Per doz.
RB-44	2 lbs.	$9.50

No. R-1572

Black fibre handle, 3 inches; one-piece steel bolster and lining. Two blades

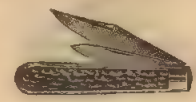
No.	Wt. per doz.	Per doz
R-1572	2 lbs	$8.00



No. R-1573

Hard fibre, stag handle, 3 inches; one-piece steel bolster and lining. Two blades

No.	Wt. per doz.	Per doz.
R-1573	2 lbs.	$8.00



No. R-1623

Hard fibre, stag handle, 3 inches; one-piece steel bolster and lining. Two blades.

No.	Wt. per doz.	Per doz.
R-1623	2 lbs.	$8.00

No. RB-041

Bone handle, 3⅝ inches; one-piece steel lining and long steel bolster. One blade

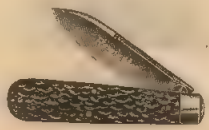
No.	Wt. per doz.	Per doz.
RB-041	1½ lbs.	$8.00

All the above, one-half dozen in a box.

No. R-01

Rosewood handle, 3½ inches; steel lining, steel bolster. Clip blade.

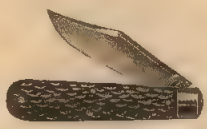
No.	Wt per doz.	Per doz.
R-01	1½ lbs.	$8.00



No. R-3

Stag handle, 3⅜ inches; steel lining, steel bolster. Spear blade.

No.	Wt. per doz.	Per doz.
R-3	1½ lbs.	$8.00



No. R-03

Stag handle, 3½ inches; steel lining, steel bolster.

No.	Wt. per doz	Per doz.
R-03	1½ lbs.	$8.00

No. R-15

Assorted color pyremite handle, 3¼ inches; brass lining, nickel silver bolster. Two blades.

No.	Wt. each	Per doz.
R-15	1¼ ozs.	$20.00

WRENCH STOCK AND DISPLAY STAND

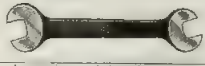
AUTOMOTIVE ACCESSORY DEALERS' ASSORTMENT

Display board surfaced with metal handsomely lithographed in colors, framed in black wood, fitted with steel lugs or hangers. Boards are not sold but furnished free to customers with initial order for drop forged wrenches.

Each

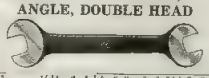
No. 3—Assortment, 14x56 in. board, containing 144 semi-finished wrenches, 6 each of the 24 wrenches listed below, the most salable sizes and shapes for automotive use, including openings to fit S. A. E. standard nuts and cap screws from ¼ to ⅝ inch, U. S. cap screws ⅛ to ¾ inch, U. S standard nuts ⅛ to ⅝ inch; six of the most commonly used tappet openings (thin wrenches) and wrenches adapted to other purposes as listed. Weight of board 16½ lbs., wrenches 59½ lbs. $107.40

AUTOMOTIVE WRENCHES, 15 DEGREE ANGLE, DOUBLE HEAD



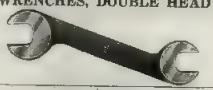
Number	For S.A.E. Std. Nuts and Cap Screws, Size in.	For U.S. Standard Nuts Size Bolt, in.	For Hex. Head Cap Screws Diam. Screw, in.	For Square Head Cap Screws Diam. Screw, in.	For Set Screws Size, in.	Opening Milled Inches	Extreme Length Inches	Semi-finished, Price Each
23A	¼		⅛ & ¼	¼ & ⅜	⅛ & ¼	⅜ & ⅞	4	$0.42
425C	¼ & ⅜	¼	¼ & ⅜	⅜ & ½	¼ & ⅜	½ & ⅝	5	.50
425C	⅜ & ½	¼	⅜ & ½	½ & ⅝	⅜ & ½	½ & ⅝	5	.50
427A	⅜ & ½	⅜	⅜ & ½	⅝ & ¾	⅜ & ½	⅝ & ¾	6	.62
429A	⅜ & ½	½	⅜ & ½	⅝ & ¾	⅜ & ½	⅝ & ¾	7	.74
431B	½ & ⅝	½	½ & ⅝	¾ & ⅞	½ & ⅝	¾ & ⅞	8	.90
23	⅛	⅛ & ¼	⅛	⅜	⅛ & ⅜	⅜ & ½	4	.42
25	⅛	¼ & ⅜	⅛	⅜	⅜	½ & ⅝	5	.50
27		⅛ & ⅜		⅛	⅜	⅝ & ¾	6	.62
29		⅜ & ½		⅜		¾ & ⅞	7	.74

THIN AUTOMOTIVE WRENCHES, 15 DEGREE ANGLE, DOUBLE HEAD



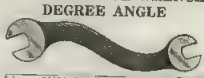
1623C	¼ & ⅛	¼	¼ & ⅛	⅛ & ⅜	⅛ & ¼	⅜ & ½	4⅝	$0.50
1626C	⅜ & ⅛	⅜	⅜ & ⅛	⅛ & ⅜	⅛ & ¼	⅜ & ½	5¼	.64
1629C	½ & ⅛	½	½ & ⅛	⅛ & ⅜	⅛ & ¼	⅜ & ½	6⅛	.80

OFF-SET 22½ DEGREE ANGLE AUTOMOTIVE WRENCHES, DOUBLE HEAD



Number	For S.A.E. Std. Nuts and Cap Screws, Size in.	For U.S. Standard Nuts Size Bolt, in.	For Hex. Head Cap Screws Diam. Screw, in.	For Square Head Cap Screws Diam. Screw, in.	For Set Screws Size inches	Opening Milled Inches	Extreme Length Inches	Semi-finished Price Each
671	¼ & ⅜	¼	¼ & ⅜	⅜ & ½	⅜ & ½	½ & ⅝	4½	$0.50
672	⅜ & ½	.....	⅜ & ½	½ & ⅝	½ & ⅝	⅝ & ¾	6¾	.62
673	½ & ⅝	½	½ & ⅝	⅝ & ¾	⅝ & ⅞	¾ & ⅞	7	.80
674	⅝ & ¾	⅝	⅝ & ¾	¾	⅞	⅞ & 1⅛	8¼	1.06
675	⅛ & ⅞	⅝	¾	.....	1	1 & 1⅛	9½	1.44

LIGHT "S" AUTOMOTIVE WRENCHES, 22½ DEGREE ANGLE

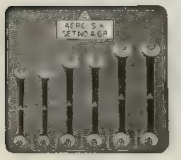


1477A	¼ & ⅜	¼	¼ & ⅜	⅜ & ½	⅜ & ½	½ & ⅝	7⅛	$0.68
1477B	⅜ & ⅝	⅜	⅜ & ½	½ & ⅝	½ & ⅝	⅝ & ¾	7⅛	.68
1479B	⅜ & ½	.....	⅜ & ½	½ & ⅝	½ & ⅝	⅝ & ¾	8¼	.86
1479E	½ & ⅝	½	½ & ⅝	⅝ & ¾	⅝ & ¾	¾ & ⅞	8¼	.86
1481A	½ & ⅝	.....	½ & ⅝	⅝ & ¾	¾ & ⅞	⅞ & 1	9¼	1.10
1483B	⅝ & ¾	⅝	⅝ & ¾	¾ & ⅞	⅞ & 1	1 & 1⅛	10¾	1.40

TAPPET WRENCHES

ARMSTRONG AERO

Drop forged from chrome nickel steel, heat treated and oil tempered; semi-finished.



No. A68 Set

Per Set

No. A68—Set designed for garage use where many different size tappets are adjusted. Six wrenches in set, put up in canvas roll $7.50

Contents of No. A68 Set.

Number	Size Opening Inches	Fitting S.A.E. Standard Nuts and Cap Screws Size inches	Extreme Length Inches	Thickness of Head Inches	Semi-finished Price Each
A6	⅜ & ½	¼ & ⅛	6	⅛	$0.90
A6	⅛ & ½	¼ & ⅛	6	⅛	.90
A7	⅛ & ⅝	⅜ & ⅛	7	⅛	1.05
A7	⅛ & ⅝	⅜ & ⅛	7	⅛	1.05
A8	⅝ & ⅛	½ & ⅛	8	⅛	1.30
A8	⅝ & ⅛	½ & ⅛	8	⅛	1.30

COMBINATION WRENCH SETS

Machine turned sockets, accurately broached 1/64 inch oversize

Each

No. 10—Set, in heavy wooden box with hinged cover, mahogany finish, weight per set 24 lbs. $25 00

Contents of set:

Contains 9-in. ratchet wrench, 2 extension bars, brace wrench, Universal joint, 2 spark plug sockets, 5 open end thin wrenches, pliers, combination tee and offset handle, double end screw driver, valve grinding attachment, cotter pin puller, 16 hex. sockets, sizes 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1-in., 1 1/16, 1 1/8, 1 1/4-in., and 11 square steel sockets, sizes 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 1 1/16, 1 1/8-in.

One set in a box.

Desirable for garage or shop use.

Each

No. 8—Set, complete with ratchet wrench, sockets, extension bars, etc., in wooden box, weight per set 13 5/8 lbs. $16.80

Contents of No. 8 Set:

16 Hexagon machined steel sockets, sizes 3/8 to 1 1/4-in. inclusive.
3 Machined steel square sockets, sizes 7/16, 1/2, 9/16-in.
1 Ratchet wrench, 9-in. handle
2 Extension bars, 6 and 10 inches long
1 Universal joint
5 Open end wrenches
1 Combination tee and offset handle
1 Spark plug socket double end

For Ford owners. Will cover all standard nuts and bolt heads.

Each

No. 4—Set, complete with ratchet wrench, sockets, universal joint and extension bar, in wooden box, weight per set 5 5/8 lbs. $9.15

Contents of No. 4 Set:

7 Hexagon machined sockets, sizes 1/2, 7/16, 9/16, 11/16, 3/4, 13/16, 15/16-in.
1 Square machined socket, 7/16-in.
1 Ratchet wrench, 9-in. handle
1 Universal joint
1 Extension Bar

Desirable for car owners.

Each

No. 6—Set, complete with ratchet wrench, sockets, extension bar, etc., in wooden box, weight per set 9 1/2 lbs. $13.40

Contents of No. 6 Set:

15 Hexagon machined steel sockets, sizes 3/8 to 1 1/4-in. inclusive
1 Ratchet wrench, 9-in. handle
1 Universal joint
1 Extension bar, 8-in.
1 Combination tee and offset handle.

Small set for automobile, motorcycle, etc.

Each

No. 2—Set, complete with sockets, extension bar and combination tee and offset handle, weight per set 2 1/2 lbs. $3.25

Contents of No. 2 Set:

6 Hexagon machined sockets, sizes 1/2, 7/16, 9/16, 11/16, 3/4 and 7/8-in.
1 Combination tee and offset handle
1 Extension bar, 8-in.

One Set in a Box.

MACHINED STEEL SOCKETS

SIZES BELOW ARE BOLT OR SCREW SIZES

TABLE OF HEXAGON SOCKETS

NO.	SOCKET SIZES	U. S. S. NUTS SIZE BOLT	NCS. HEAD CAP SCREWS U. S. STD.	S. A. E. STD. CAP SCREWS	A. L. A. M.	MTRS. STD. BOLT HEAD	SET. HEAD SCREWS COARSE
14	7-16	1-4	1-4			7-16	
16	1-2	1-4	5-16	5-16	5-16	1-2	
18	9-16		3-8	3-8	3-8	9-16	
19	19-32	5-16					3-8
20	3-8		7-16	7-16		5-16	
22	11-16	3-8			7-16		
24	3-4		1-2	1-2	1-2	3-8	1-2
25	25-32	7-16					
26	13-16		9-16				
30	7-8	1-2	5-8	9-16	9-16	7-16	
32	15-16			5-8	5-8		5-8
34	31-32	9-16					
36	1		3-4	11-16	11-16		
38	1-16	5-8		3-4		3-4	
40	1-4	3-4	7-8	7-8	3-4	1	3-4
					7-8	1-4	

TABLE OF SQUARE SOCKETS

NO.	SIZE OPENING	SQ. HEAD SET SCREW	SQ. HEAD CAP SCREWS	U. S. STD. BOLT HEAD
014	14-32	7-16	5-16	
016	1-2	1-2	3-8	1-4
018	9-16	9-16	7-16	
019	19-32			5-16
020	5-8	5-8	1-2	
021	11-16		9-16	3-8
024	3-4	3-4	5-8	
025	25-32			7-16
028	7-8	7-8	3-4	1-2
034	1 1-16		1	5-8
041	1 9-32	1 1-4		3-4

Machined from Solid Bar, 1/64 in. Oversize

HEXAGON

		Each
No. 14	7/16-inch socket size	$0 30
No. 16—	1/2-inch socket size	.30
No. 18 —	9/16-inch socket size	.30
No. 19	19/32-inch socket size	.30
No. 20—	5/8-inch socket size	.30
No. 22—	11/16-inch socket size	.30
No. 24—	3/4-inch socket size	.40
No. 25	25/32-inch socket size	.40
No. 26 —	13/16-inch socket size	.40
No. 28 —	7/8 inch socket size	.40
No. 30—	15/16-inch socket size	.50
No. 31	31/32-inch socket size	.50
No. 32—1	inch socket size	.50
No. 34	1 1/16 inch socket size	.65
No. 36—1	1/8 inch socket size	.65
No. 40—1	1/4-inch socket size	.65

SQUARE

		Each
No. 014—	7/16-inch socket size	$0 .30
No. 016—	1/2 inch socket size	.35
No. 018—	9/16 inch socket size	.35
No. 019—	19/32-inch socket size	.40
No. 020—	5/8-inch socket size	.40
No. 022—	11/16-inch socket size	.40
No. 024—	3/4 inch socket size	.50
No. 025	25/32-inch socket size	50
No. 028—	7/8-inch socket size	.60
No. 034	1 1/16-inch socket size	.70
No. 041—	1 1/4 inch socket size	80

SPARK PLUG WRENCHES

	Each
No. 3329—13/16x1 3/16 in., weight each 8 oz.	$0.50
No. 3731—13/16x1 5/16 in., weight each 9 oz.	.50

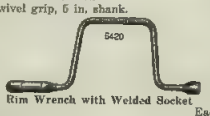
DEMOUNTABLE RIM WRENCHES

1/2 in. steel handle, one piece swivel grip, 5 in. shank.

Sizes for Different Make Rims

	Each
No. 5120—Size 5/8 in., fits Kelsey, Jaxon, Hays and Ford rims, weight 1 lb. 9 oz.	$1 10
No. 5122—Size 11/16 in., fits Firestone, Goodrich, weight 1 lb. 9 oz.	1.10
No. 5124—Size 3/4 in., fits Baker, Jaxon, Detroit, Stanweld, Hays, Perlman, Goodyear, weight 1 lb. 9 oz.	1.10
No. 5126—Size 11/16 in., fits Stanweld, Nos. 40 and 60 and United States rims, weight 1 lb. 9 oz.	1.10
No. 5128— Size 7/8 in., fits Giant pneumatic rims, weight 1 lb. 9 oz.	1.10

Open Stock.



Rim Wrench with Welded Socket

	Each
No. 5420—Special for Ford cars, socket size 5/8 in., handle is made of 1/2 in. stock, weight 1 1/2 lbs.	$1.00

FOUR IN ONE

A heavy duty service tool, made from 7/8 in. steel, drop forged quadruple socket.

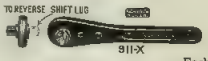
	Each
No. 5104—Socket sizes 5/8, 11/16, 3/4 and 7/8 in., weight each 3 1/2 lbs. One in a Box.	$3.95

SPECIAL RIM WRENCHES

Socket welded to handle, 1/2 in. handle.

Nos....	5020	5022	5024	5026
Socket....	5/8	11/16	3/4	7/8
Each	$0.75	.75	.75	.75

RATCHET WRENCHES



	Each
No. 911X—10 in. handle, weight each 1 1/4 lbs.	$2.75

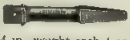
OFF AND T HANDLE

	Each
No. T4—Off and T handle, weight each 8 oz.	$0.60

EXTENSION BAR

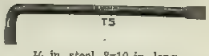
	Each
No. T 6— 6 in., weight 7 oz.	$0.65
No. T 8— 8 in., weight 10 oz.	.70
No. T10—10 in., weight 13 oz.	.75

BIT SHANKS



	Each
No. 4B— 4 in., weight each 4 oz.	$0 65
No. 6B—6 in., weight each 5 oz.	75
No 8B—8 in., weight each 8 oz.	.80

DOUBLE END HANDLE



1/2 in. steel, 8x10 in. long.

	Each
No. T5—Double end handle, weight each 14 oz.	$0.60

UNIVERSAL JOINT

	Each
No. T2—Universal joint, weight 6 oz.	$1.65

Q. D. UNIVERSAL JOINT SOCKETS

STOCK NO.	SIZE
T-16	1/2 HEX
T-18	9/16"
T-20	5/8"

Used in connection with all Q. D. handles, are made extra strong, properly heat treated and may be used in places hard to reach.

	Each
No. T16—Weight 6 oz.	$1 50
No. T18 —Weight 6 oz.	1.50
No. T20—Weight 6 oz.	1.50

Open Stock.

QUICK DETACHABLE SOCKETS AND HANDLES

Heavy Duty, for industrial use, trucks, tractors, farm engines and machinery.

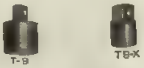
No. 35 Heavy Duty Set

Per Set

No. 35—Heavy Duty Socket set consists of one combination offset and tee handle—bar made from ½ in. stock with ¾ in. square shank, 2 extension bars, one 8½ in. long and the other 17 in. long, both with ¾ in. square shank and 9 sockets, size 1⅛ to 1⅝ in. inclusive, weight 17 lbs. $10.30
One in Fibre Container.

Individual list price for all items contained in No. 35 sets given below. Adapters extra.

		Each
No.	36X—1⅛ in. socket	$0.70
No.	38X—1⅜ in. socket	.70
No.	40X—1¼ in. socket	.70
No.	44X—1⅜ in. socket	.80
No.	46X—1⅜ in. socket	.80
No.	48X—1½ in. socket	.80
No.	50X—1⅝ in. socket	1.00
No.	52X—1⅝ in. socket	1 20
No.	T 4X—Offset 19 in	1 50
No.	T 8X—Handle 8½ in	1.00
No.	T17X—Handle 17 in	1.10



Adapters Extra

	Each
No. T 9—Adapter for small sockets	$0.50
No. T 9X—Adapter for heavy duty sockets	.50

Table of Heavy Duty Q. D. Hexagon Socket

Socket No.	Socket Size	U. S. Std. Nuts & Bolts	U. S. Std. Cap Screws	S. A. E. Std. Screws, Nuts	Hex. Head Coach Screws	Mfrs. Std. Bolt Heads
36X	1:1-8	.....	7-8	.....	3-4	
38X	1.3-16	..	..	..	..	3 4
40X	1.1-4	3-4	1	7 8	..	
44X	1 3 8	..	1.1 8	..	..	7-8
46X	1·7-16	7 8	..	1	..	
48X	1:1-2	..	1·1 4	..	1	
50X	1.9-16	..	..	..	..	1
52X	1.5 8	1	..	1.1-8	..	..

SPECIAL DUTY WRENCHES

SCREW END ADJUSTING WRENCH

Q. D. Tie rod and drag link screw end adjusting wrench. Fits any Q. D. type of handle. For lining up front wheels having ball joint connections. For assembling and disassembling tie rods and drag links having screw end ball joints.

Each
No. T1 Weight each 4 oz. .$0.50

Tee universal tie rod and drag link screw end adjusting wrench. Same service as T1.

Each
No. 540—Weight each 1⅞ lbs.. $2 25

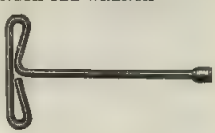
SPECIAL SPEEDER WRENCH

Used for removing cylinder head stud nuts on Dodge motor.

Each
No. 6322—23 in. long over all, weight each 1⅜ lbs..... $1.25

SPECIAL LENGTH TEE WRENCH

Used for removing radiator stud nuts on Dodge cars.



Each
No. 3024—15 in. long over all, wt. each 1⅛ lbs.....$0.80

WHEEL ASSEMBLY WRENCH

For Ford Cars

Drop forged steel socket head, ⅝ in. steel.

Each
No. 5604—With 4 socket openings, weight each 4½ lbs. $4.95

Four socket openings to take care of the following jobs·

1 Hub cap—size open. 1⅝ in. oct.
2 Adjusting cone—size open. 1¼ in. oval.
3 Front spindle nut—size open. 1⅛ in. hex.
4 Rear hub lock nut—size open. ½ in. hex.

Also adapted for Chevrolet Wheel Assembly—excepting hub cap.

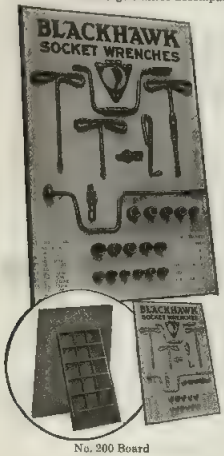
One in a Fibre Box.

BLACKHAWK QUICK DETACHABLE HANDLES, ATTACHMENTS AND DISPLAY ASSORTMENTS

This special assortment was made up to meet the demand for a large range of wrenches. The handles and sockets are instantly interchangeable and 192 combinations can be made up from the set.

The No. 200 display board has handy compartments at the back for holding sockets, each compartment plainly marked with the size socket it holds.

All quick detachable handles are made from the finest material obtainable for the purpose and are interchangeable with all makes of sockets having the standard ½-inch opening. Sockets are machined from solid bar steel, heat treated, giving unlimited service. A definite guarantee accompanies each tool.



No. 200 Board

Metal front display board, lithographed in four colors, size of board 22x34 in.

Each

No. 200—Board complete with 84 sockets, 36 handles, 2 universal joints and 2 No. T3 ratchets, weight each 104 lbs. $70.40

No. 150—Board complete with 36 handles, 2 universal joints and 2 No. T3 ratchets, without sockets or compartment, weight each 75 lbs. 40 80

Following parts contained in No. 200 Display Assortment:

Q. D. Handles

6 each No. 2310—12-inch Tee with center handle.
6 each No. 310—12-inch Tee without center handle.
6 each No. 210—6-inch Tee handle.
6 each No. 110—Offset handle.
6 each No. 500—Rim brace.
6 each No. 610—Speeder handle.

36 Q. D. handles.

2 T-2 universal joints.
2 T-3 Q. D. ratchets.

Use our Stock Numbers when ordering.

Extra Q. D. handles packed 10 in box.

Hexagon Sockets

5 each No. 14—$\frac{7}{16}$ inch.
5 each No. 16—$\frac{1}{2}$ inch.
10 each No. 18—$\frac{9}{16}$ inch.
5 each No. 19—$\frac{11}{16}$ inch.
10 each No. 20—$\frac{5}{8}$ inch.
5 each No. 22—$\frac{13}{16}$ inch.
5 each No. 24—$\frac{3}{4}$ inch.
5 each No. 25—$\frac{13}{16}$ inch.
5 each No. 26—$\frac{7}{8}$ inch.
5 each No. 28—$\frac{15}{16}$ inch.
5 each No. 30—1 inch.

66 Hexagon sockets.

Square Sockets

4 each No. 014—$\frac{7}{16}$ inch.
4 each No. 016—$\frac{1}{2}$ inch.
4 each No. 018—$\frac{9}{16}$ inch.
4 each No. 020—$\frac{5}{8}$ inch.
3 each No. 024—$\frac{3}{4}$ inch.

19 Square sockets.

EXTRA PARTS FOR Q. D. HANDLES

Strong reversible ratchet attachment used with all Q. D. handles and extension bars making it possible to use a ratchet wrench in inaccessible places where the standard wrench cannot be used.

Each

No. T3—Ratchet, weight each 8 oz. $2 25

QUICK DETACHABLE HANDLES

Interchangeable with sockets having the ½ in. standard opening.
Made of ½ in. stock.

TEE HANDLE

With speed grip.

Each

No. 3310—½ in. diameter shank, 12 in. long, weight each 1½ lbs. $1.10

Each

No. 210—½ in. diameter shank, 6 in. long, weight each 1 lb. $0 75

TEE HANDLE

Each

No. 310—½ in. diameter shank, 12 in. long, weight each 1½ lbs. $0.80

OFFSET HANDLE

Each

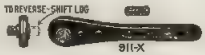
No. 110—½ in. diameter handle, 7 in. long, weight each 12 oz. $0.70

Open Stock.

QUICK DETACHABLE HANDLES

Interchangeable with sockets having the ½ in. standard opening.

RATCHET WRENCH HANDLE



Design is scientifically correct, simple and provides exceptional strength. There is no complicated change-mechanism. The ½ in. square ratchet lug can easily be pushed to the other side, thus changing direction of ratchet. Rotation ball and spring in lug engage slots in ratchet wheel and lock lug in same. Will not stick in sockets. Made from high grade steel, heat-treated.

Each

No. 911X—Complete with ratchet lug, weight each 1 lb. 5 oz. $2 75

No. 911XH—Extra ratchet lug, weight each 2 oz. ..... .35

Open Stock.

Q. D. SPEED HANDLES

With steel knob.

Each

No. 610—½ in. diameter, 19 in. long, weight each 1½ lbs. . $1.05

Open Stock.

With steel knob.

Each

No. 6310—½ in. diameter handle, 28 in. long over all, weight each 2 lbs. $1.85

Open Stock.

Q. D. BRACE HANDLE

Each

No. 500—½ in. diameter handle, weight each 1 lb. 7 oz. ... $1.20

This brace may be used with extension bar, Universal joint, etc. Has one piece steel grips. A very useful tool.

Open Stock.

SOCKET WRENCHES

Blackhawk, Drop Forged Steel, Rustproof Finish

LONG TEE WRENCHES

Machine turned steel sockets, long tee handle, 12 in. shank.

Nos.	3114	3116	3118	3119
Inches	7/16	1/2	5/8	3/4
All sizes each				$0.70

Nos.	3120	3122	3124
Inches	7/8	1	1 1/8
All sizes each			$0.70

Nos.	3125	3126	3128
Inches	1 1/4	1 3/8	1 5/8
All sizes each			$0.70

Approximate Weight Each 1⅝ Lbs.

SHORT TEE WRENCHES

Machine turned steel sockets, short tee handle, 6 in. shank.

Nos.	2114	2116	2118	2119
Inches	7/16	1/2	5/8	3/4
All sizes each				$0.65

Nos.	2120	2122	2124	2125	2126	2128
Inches	7/8	1	1 1/8	1 1/4	1 3/8	1 5/8
All sizes each						$0.65

Approximate Weight Each 1¾ Lbs.

OFFSET WRENCHES

Machine turned steel sockets, wire handle 7 in. long.

Nos.	1114	1116	1118	1119	1120
Inches	7/16	1/2	5/8	3/4	7/8
All sizes each					$0.60

Nos.	1122	1124	1125	1126	1128
Inches	1	1 1/8	1 1/4	1 3/8	1 5/8
All sizes each					$0.60

Approximate Weight Each 13 Oz.

Above Socket Wrenches Fit Sizes as Listed

Fit Hex. head sizes	7/16	1/2	5/8	11/16	3/4	13/16	7/8	15/16	1	1 1/16	1 1/8	1 1/4
Fit Cap Screw size	1/4	5/16	3/8		7/16		1/2		9/16		5/8	11/16
Fit A. L. A. M. size		5/16	1/4				7/16		1/2			7/16
Fit U. S. S. Nut size		1/4		5/16		3/8		7/16		1/2		

Ten in a Unit Package.

SOCKET WRENCHES

SPEEDERS WITH UNIVERSAL JOINTS

These special speeders with universal joint sockets are designed and made particularly for garage and service station use. Will save time in doing work and do it far better, as they will fit places where a particular style of wrench is needed. Made from the best material that can be obtained, and highest grade of workmanship.

½ in. diameter steel, 20¾ in. long over all.

Nos.	616	618	620	622	624	626	628
Inches	½	⅝	⅝	¾	¾	⅞	⅞
Weight each, lbs.	1⅝	1⅝	1⅞	1⅞	1⅞	1⅞	1⅞
Each	$2.50	2.50	2.50	2.75	2.75	2.75	2.75

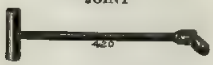
TEE HANDLE WRENCHES WITH UNIVERSAL JOINT SOCKETS

May be used same as universal speeders but less speed.

½ in. diameter steel, 12 in. shank.

Nos.	516	518	520	522	524	526	528
Inches	½	⅝	⅝	¾	¾	⅞	⅞
Weight each, lbs	1½	1½	1½	1½	1½	1½	1½
Each	$2.00	2.00	2.00	2.25	2.25	2.25	2.25

TRIPLE SOCKET WRENCH WITH UNIVERSAL JOINT



½ in. diameter handle, overall length 12¼ in.

For garage and service station use. Very desirable tool for general repair work. Universal socket being a ⅝ in hexagon Double socket ⅝ in. and ⅞ in hexagon.

Each

No. 420—Weight 1¾ lbs. $2 50

SPEEDER WRENCHES

With welded socket, ½ in. steel handle, 16⅞ in. long over all.

Per Set

No. 6100—Set of 10 Speeder wrenches, one of each size, weight per set 17½ lbs. $9.50

Separate Sizes

Nos.	6114	6116	6118	6119	6120
Inches	⅞	½	⅞	⅝	⅝
Each	$0.95	.95	.95	.95	.95
Nos.	**6122**	**6124**	**6125**	**6126**	**6128**
Inches	⅝	¾	⅞	⅞	⅞
Each	$0.95	.95	.95	.95	.95

Weight Each About 1⅝ Lbs.

Open Stock.

SOCKET WRENCHES

L WRENCHES

With welded sockets.

Made strong and adaptable to many places where a Tee or speed wrench could not be used. Each wrench fitted with two sockets, making in reality 10 wrenches. A desirable tool for general repair work on many different makes of cars, trucks, etc.

Per Set

No. 1200—Set of 5 wrenches, weight per set 5⅛ lbs. $4.50

One Set in a Box

Separate Sizes

Nos.	1214	1218	1220	1224	1226
Inches	⅞x½	⅞x⅛	⅝x⅛	¾x⅛	1⅛x⅝
Weight each, ozs.	15	15	15	15	15
Each	$0.90	.90	.90	.90	.90

DOUBLE END HAMMER HEAD WRENCHES

Made of only high grade steel with extra strong handles. The length of the handle is proportional to the size of the socket and will give more than sufficient leverage. The smaller sizes are very handy especially in close places. Any mechanic will recognize the usefulness, efficiency and adaptability of these new wrenches. They may be used on all makes of cars, trucks and tractors.

Per Set

No. 300—Set consists of 5 wrenches, 10 openings, weight per set 5½ lbs. $5 85

Separate Sizes

Nos.	1416	1820	2422	2830	3432
Inches	½x⅝	⅝x⅞	¾x1⅛	⅞x1⅛	1x1⅜
Diam. handle, in.	⅜	½	⅝	⅝	⅝
Length, in.	6	6½	8	9½	10¾
Weight each, lbs.	⅞	⅞	1⅛	1½	1⅞
Each	$0.85	.95	1.15	1.45	1.45

SPECIAL DUTY SOCKET WRENCH

Chevrolet main bearing wrench, special for 1924 Chevrolet. Note: All previous models use No 4928 wrench

Each

No. 4926—Weight each 1⅜ lbs. $1.50

Federal truck rear spring clip, G. M. C. steering arms and spindle and motor support. International steering, steering arm, new Buicks spring shackle nuts, general truck service.

Each

No. 3640—Weight each 1⅛ lbs. $1.60

Open Stock.

SOCKET WRENCHES

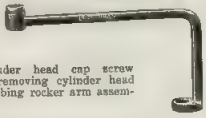
SPECIAL DUTY

For Ford generator and carburetor wrench. Replaces old No. 4418 which was used on carburetor only.

Each

No. 4418X—Weight each 1⅛ lbs. $1.00

Open Stock.



Buick cylinder head cap screw wrench, for removing cylinder head without disturbing rocker arm assembly.

Each

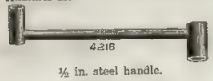
No. 2020 —For Standard Six $1.35
No. 2020X—For Light Six 1.35

Weight 1 Lb. 5 Oz.

Open Stock.

WRENCHES FOR FORD CARS

Hammer Head Double Socket Wrench



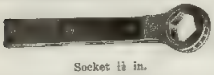
½ in. steel handle.

Each

No. 4218—Socket sizes ⅞ and ¾ in., fits crank shaft (main) bearing nuts, spindle bolt and nut, radius rod bolt and nut, differential case stud nuts, etc., weight each 1⅛ lbs. $0.95

10 in a Unit Package

Transmission Band Wrenches



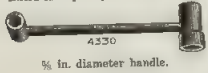
Socket 1⅛ in.

Each

No. 4222X—Designed for transmission adjusting nut. Other end for removal of transmission cover sloping door screw, weight each 5 oz.. ..... $0.90

10 in a Unit Package

Extra Heavy Triple Socket Wrench



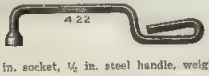
⅝ in. diameter handle.

Each

No. 4330—Sockets ⅜, ⅞ and 1⅛ in., fits spindle arm and body bolt nut, rear and front spring clip nut, etc., weight each 1⅝ lbs. $1.20

10 in a Unit Package.

Fly Wheel Cap Screw Wrench



Each

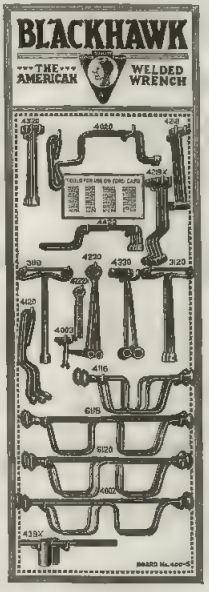
No. 4122—1⅛ in. socket, ½ in. steel handle, weight each 1⅛ lbs. $0 75

10 in a Unit Package

DEALERS' DISPLAY SET

BLACKHAWK

Special Wrenches for Use on Ford Cars



Sheet steel display board, handsomely lithographed.

Each

No. 400S Complete with wrenches as listed below ..$59 20

NOTE—Not in stock. For direct shipment only

Contents of No. 400S

2 No. 438X Wrenches	4 No. 4219X Wrenches
4 No. 3118 Wrenches	4 No. 4222X Wrenches
4 No. 3120 Wrenches	4 No. 4230 Wrenches
4 No. 4002 Valve grinders	4 No. 4320 Wrenches
4 No. 4003 Valve grinders	2 No. 4330 Wrenches
4 No. 4020 Wrenches	4 No. 4422 Wrenches
4 No. 4116 Wrenches	4 No. 6118 Wrenches
4 No. 4120 Wrenches	4 No. 6120 Wrenches
4 No. 4218 Wrenches	

Weight per Assortment 154 Pounds.

BLACKHAWK TOOLS

Drop Forged Steel, Welded, for Use on Ford Cars

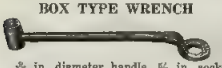
CONNECTING ROD WRENCH FOR USE ON FORD CAR

½ in. steel handle, 20¾ in. long.
⅝ in. socket, extra heavy.
This wrench has proved itself to be the most efficient wrench ever designed for this job. To use this wrench properly, pull the fourth piston to the top of the cylinder. The brace comes below the radius rods. The universal joint makes operation easy. No danger of slippage or injury to the hands.

Each

No. 6420—Weight 1 lb. 14 oz.... ....$2.50

BOX TYPE WRENCH



⅞ in. diameter handle, ⅝ in. socket and ¹³⁄₁₆ in. box type wrench.

Each

No. 4238—Fits all cylinder head cap screws and spark plugs on Ford car and truck. Box type opening on wrench being drop forged and heat treated, making it a real service tool, weight 15 oz. $0.85

SHORT VALVE GRINDER

Each

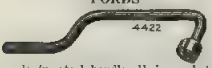
No. 4003—Designed to grind valves under dash when motor is not removed from car, weight ¼ lb. $0.60

LONG VALVE GRINDER

Each

No. 4002—Used in all Ford valves when motor is removed from the car. Can also be used in many other makes of cars, weight each 1 lb....$0 95

HEAVY DUTY FLY WHEEL CAP SCREW WRENCH FOR FORDS

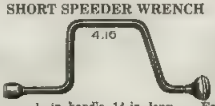


⅞ in. steel handle, ¹³⁄₁₆ in. socket.

Each

No. 4422—Special design of socket gives advantages of both socket and open end type wrenches. The socket has plenty of clearance, yet is very strong. Cannot slip off work, weight each 1¼ lbs. $1.25

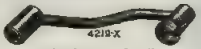
SHORT SPEEDER WRENCH



¹, in. handle, 14 in. long. Each

No. 4116—½ in. socket specially made for use on crank case lower cover, when no pit is used. Also fender nuts and differential drive gear screws, weight each 1⅞ lbs....$0.85

MAIN BEARING WRENCH

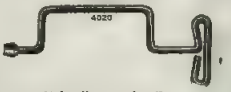


½ in. diameter handle.

Each

No. 4219-X—Fits all main bearing bolt heads and will reach the two front main bearing bolts without removing the motor from the chassis. Socket size ⅞ in. square—special design socket at other end for connecting rod clamp screw, weight 1¾ lbs. $1.40

IMPROVED CONNECTING ROD WRENCH

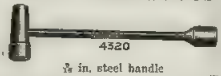


½ in. diameter handle.

Each

No. 4020—Fits all connecting rods, especially made to use on fourth connection, weight each 1¾ lbs. $1.00

HANDY SOCKET WRENCH

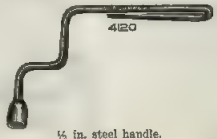


⅞ in. steel handle

Each

No. 4320—Socket sizes ⅝ in. and ½ in., for use on cylinder head bolts, rear axle housing nuts. Drive shaft housing stud nuts, water intake and outlet screws, crank shaft lower cover, controller shaft, bracket nuts and many other places. The single socket allows one to spin the nut off or on when loose, weight each 14 oz....$0.80

CONNECTING ROD WRENCH



½ in. steel handle.

Each

No. 4120—For use on all rods, including the fourth, weight each 1⅞ lbs. $0.65

All above packed 10 in a Box

SPEEDER WRENCH

½ in. diameter handle, ⅞ in. socket.

Each

No. 6218—Specially designed for use on engine base bolts. Great speed can be obtained in taking down and assembling motor, weight each 2¼ lbs. $2.75

No. 6216—½ in. socket, for use in taking down and assembling Ford rear axle system, weight each 2⅝ lbs. 2.75

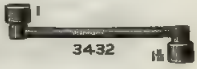
OFFSET WRENCH

½ in. stock, ⅞ in. socket.

Each

No. 4418X—Designed especially for use on Ford carburetor flange bolt head, weight each 8 oz. $1.00

DOUBLE END WRENCH



⅝ in. diameter handle, 1 in. and 1⅛ in. sockets

Each

No. 3432—Used on Ford rear spring perch nut and rear spring clip, Ford truck. This sturdy tool also used on general repair work, weight each 1⅞ lbs.... ....$1.45

EXTRA LONG SPEEDER WRENCH

½ in. stock, ⅞ in. socket, for use on fender-bolts, radiator stud nuts, crank-case and cylinder cover cap screws.

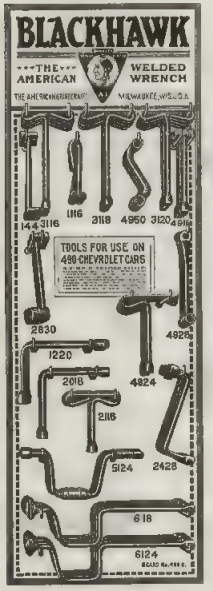
Each

No. 6318—Weight each 2 lbs.... $1.25

DEALERS' DISPLAY SET

BLACKHAWK

Special wrenches for Chevrolet cars.



Steel display board, handsomely lithographed.

Each

No. 490—Complete with wrenches as listed $63.80

Contents of No. 490 Set:

4 wrenches each style, a total of 68 tools.

No. 144 wrench	No. 3120 wrench
No. 1116 wrench	No. 4916 wrench
No. 1220 wrench	No. 4924 wrench
No. 2018 wrench	No. 4928 wrench
No. 2116 wrench	No. 4950 wrench
No. 2428 wrench	No. 5124 wrench
No. 2830 wrench	No. 6118 wrench
No. 3116 wrench	No. 6124 wrench

No. 3118 wrench

Weight per Assortment 126 Pounds.

WRENCHES

For use on Chevrolet cars and other popular make cars.

DOUBLE END HAMMER HEAD WRENCH

May be used on Chevrolet nut in drive shaft, king bolt rear axle; also efficient on Buick, Nash, Studebaker, Marmon, Packard, Peerless and Fordson tractor.

Each

No. 2830—⅞ in. diameter handle, ¹⁵⁄₁₆ and ⅞ in. sockets, weight each 1½ lbs. $1.45

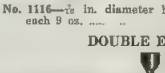
OFFSET WRENCH

Chevrolet owners and mechanics find this wrench useful on oil pump, generator, universal joint housing, water pump, etc.

Each

No. 1116—⅞ in. diameter handle, ½ in. socket, weight each 9 oz. $0 60

DOUBLE END Z WRENCH



Fits any Chevrolet drive shaft housing, spring bolt nuts, transmission studs, etc. Also recommended for use on Lincoln, Cole, Wills-St. Claire and Hupmobile.

Each

No. 2428—⅝ in. stock, ¾ and ⅞ in. sockets, weight each 1⅛ lbs. $0 90

LONG T WRENCH

Especially useful on 490 Chevrolet axle housing, bendix drive, generator, rocker arm, etc. Also useful on many makes of cars.

Each

No. 3116—12 in. shank, ⅞ in. diameter handle, ½ in. socket, weight each 1 lb. $0 70

LONG TEE WRENCH

Fits any Chevrolet 490 connecting rod (upper and lower), fly wheel cap screws, clutch yoke, etc. Recommended for use on Buick, Studebaker, Olds and Ford car and truck.

Each

No. 3118—12 in. shank, ½ in. diameter handle, ⅞ in. socket, weight each 1½ lbs. $0 70

LONG TEE WRENCH

½ inch diameter handle, ⅝ inch Socket.

Used on Chevrolet transmission support bracket (models prior to 1920) and water outlet. Also used on Dort, Hudson, Reo and Buick.

Each

No. 3120—12 in. shank, ½ in diameter handle, ⅝ in. socket, weight each 1⅛ lbs. $0 70

TEE AND OFFSET WRENCH

Combination tee and offset wrench designed especially for use on Chevrolet car. Fits clutch yoke cylinder head bolts, manifold nuts, etc.

Each

No. 4924—⅝ in. diameter handle, ¹⁵⁄₁₆ and ¾ in. sockets, weight each 1½ lbs. $1.25

Open Stock

SOCKET WRENCHES

BLACKHAWK

DOUBLE END S WRENCH

Especially designed for use on Chevrolet 490. Fits clutch finger bolt and nut No other wrench handles this job so well.

Each

No. 4950—1 and ⅝ in. openings, weight each 10 oz. $0.90

DOUBLE END L WRENCH

Recommended for use on Chevrolet motor support arm, steering gear clamp and tie rod. Also useful on Dodge, Overland, Dort, Chandler, etc.

Each

No. 1220—⅞ in. diameter handle, ⅝ and ¹¹⁄₁₆ in. sockets, weight each 1½ lbs. $0.90

"L" WRENCH

This wrench same as No. 1220 only ½ in. stock and different size sockets. For repair work on Chevrolet this wrench fits clutch yoke, transmission support bracket, water outlet, etc.

Each

No. 2018—½ in. diameter handle, ⅞ and ⅝ in. sockets, weight each 15 oz. $0.90

SHORT T WRENCH

Fits many ½ in. nuts on Chevrolet as well as other popular cars.

Each

No. 2116—⅞ in. diameter handle, ½ in. socket, weight each 13 ounces $0.65

THREE-WAY SOCKET WRENCH

Fits Chevrolet 490 differential case, fender bracket bolts, flywheel cap screws. Mechanics find this wrench useful on the Ford, Cadillac, Paige, Hudson, Willys-Knight, etc.

Each

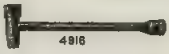
No. 144—½ in. diameter handle, ½, ⅞ and ⅝ in. all same size type sockets, weight each 1 lb. $0.95

Open Stock

SOCKET WRENCHES

BLACKHAWK

HANDY SOCKET WRENCH



Especially adaptable on Chevrolet oil pan bolts, tie rod bolts and nuts, transmission cover, etc. Also useful on Buick, Star, Chalmers

Each

No. 4916—½ in. diameter handle, ½, ⅝ and ¾ in. sockets, weight each 13 oz. $0.85

BOX TYPE WRENCH

Designed especially for Chevrolet 490. Box type end of wrench used on front main bearings. Socket end used on center and rear bearings, also nut on king bolt. Every mechanic should have this Blackhawk wrench.

Each

No. 4928—⅝ in. diameter handle, ⅞ in. openings, weight each 1⅞ lbs. $1.50

SPEEDER WRENCH

Speeder used on Chevrolet differential case, fender bolts, manifold nuts. Also used on practically all other make cars. A very popular tool.

Each

No. 6118—½ in. diameter handle, ⅞ in. socket, 19⅝ in. long over all, weight each 1½ lbs. $0.95

SPEEDER WRENCH

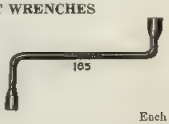
Used on Chevrolet cylinder head bolts, etc. Like No. 6118, this wrench may be used on practically all other make cars for speeding up assembling and dismantling motor cars, trucks and tractors.

Each

No. 6124—½ in. diameter handle, ¾ in. socket, 19⅝ in. long, weight each 1⅝ lbs. $0 95

DOUBLE OFFSET WRENCHES

Both socket sizes on this wrench are popular sizes and recommended for use on Dodge, Chalmers, Hupmobile, Star and Gray



Each

No. 165—½ in. diameter handle, ⅞ and ⅞ in. sockets, weight each 1 lb. $0.90

Sockets are welded to the handle. Useful on Dodge, Cadillac, Nash and Oldsmobile.

Each

No. 365—⅝ in. diameter handle, ⅞ and ¾ in. sockets, weight each 1½ pounds $0.90

Open Stock.

SOCKET WRENCHES

BLACKHAWK

DOUBLE END L WRENCH

This wrench is well liked by mechanics. They find it very useful on Willys Knight, Dort, Hudson, Lincoln, Oakland, etc.

Each

No. 376—½ in. diameter handles, ½ and ⅞ in. sockets, 5½ and 6½ in. handles, weight each 10 ounces $0.80

No. 375—Similar to No. 576, but socket size ⅝x⅝ in., length of handle 7 in. by 10 in., can be used to great advantage on Essex, Franklin, Hudson, Lincoln, etc., weight each 1 lb. ..... .90

Made especially for Oakland, Rickenbacker, Essex, Cadillac, Hupmobile, etc.

Each

No. 2224—½ in. diameter handle, ½ and ⅝ in. sockets, length of handle 8x8 in., weight each 1 pound $0 90

Especially adapted for use on Maxwell, Buick, Studebaker Light Six, Oakland, etc.

Each

No. 345—½ in. diameter handle, ⅞ and ⅝ in. sockets, 4½ and 9½ in. long handles, weight each 14 oz. $0.90

No. 342—Same as No. 345 but socket size ½ in. and ⅞ in. Designed especially for use on Overland, also may be used on Fard car and truck, Durant, Rickenbacker and Essex, weight each 14 oz. ..... .90

No. 344—Same as 345 but socket size ½ in. and ⅝ in., very useful on many different makes of cars such as Reo, Dort, Buick, etc., weight each 14 oz. ..... .90

HAMMER HEAD WRENCH

Especially designed for use on Overland car, fits main bearings, cylinder head bolts and drive shaft housing. Also found useful on the Willys-Knight, Chalmers, Maxwell, etc.

Each

No. 2420—⅞ in. diameter handle, ⅝ and ⅝ in. sockets, weight each 1⅞ lbs. $1.10

Many mechanics find this wrench very useful on almost any make of car or truck.

Each

No. 244—⅞ in. diameter handle, ⅜ and 1 in. sockets, 10½ in. long over all, weight each 1⅞ lbs. $1.25

Open Stock

SPECIAL SOCKET WRENCH SETS

CHEVROLET SET

Set consists of 4 wrenches or 9 openings. Fits practically all bolts and nuts and many places where the ordinary wrench will not work.

Socket sizes: ⅞-⅝-⅞-½-⅝-¾ in.

Per Set

No. 30—Chevrolet set, weight per set 5½ lbs. $4.50

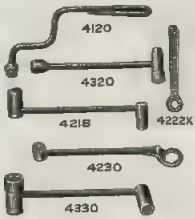
MAXWELL SET

Set consists of 4 special designed wrenches, 9 openings. Socket sizes: ⅞-¾-¾-½-⅞- ⅞- ⅝- ¾ inches.

Per Set

No. 25—Maxwell set, weight per set 4½ lbs. $3 95

FORD SET

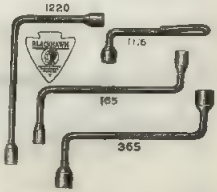


Blackhawk Ford set No. 46 will take care of practically all bolts and nuts on Ford cars, consists of 6 wrenches.

Per Set

No. 46—Ford set, weight per set 7 pounds $5.55

DODGE SET



Four tools comprise this set—7 openings, all welded sockets, sturdy handles. Tools which are necessary for speed and efficient repair work.

Socket sizes: ⅝-⅞-⅞- ⅞- ⅞ ⅞ and ¾ in.

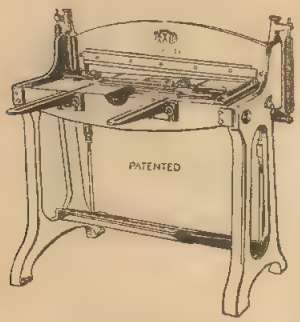
Per Set

No. 650—Dodge set, weight per set 3⅜ lbs. $3.30

SHEET METAL WORKERS' MACHINES

PEXTO

SQUARING SHEARS

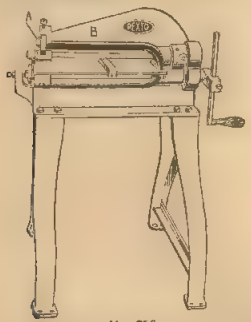


NOS. 132 AND 137

Capacity 18 gauge iron and lighter. Improved pattern. Cutting knives highest grade steel, welded to wrought iron. Treadles extra heavy, with one-piece tread. **Shear beds bolted** to housings, and can be shifted to and from the upper knife to compensate for re-grinding of knives. **Gibs provided for tak**ing up wear on cutter bar. **Gates or crossbeads proportioned** to eliminate spring. Equipped with complete set of front and rear gauges and front arms. No. 137 furnished regularly with hold-down attachment; No. 132 is not so fitted.

No.	Size	Weight	Each
132	30 in.	510 lbs.	$175.00
137	36 in.	600 lbs.	225.00

RAPID SLITTING SHEARS



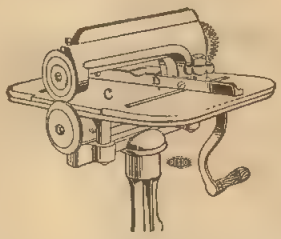
No. 255

These shears provide a rapid means for slitting iron used in cornices, furnaces, blow pipes, ventilation work, etc. Will conveniently cut irregular curves and circles in a small fraction of the time required by ordinary snips and bench shears. Cutters forged from special high grade tool steel, properly hardened and tempered; have two cutting edges, making them reversible. The crank is adjustable to different leverages, bearings adjustable to take up wear of cutter, cutting head compact construction, mounted on heavy cast iron legs. Capacity 16 gauge iron and lighter. Diameter cutter, 3⅜ inches; depth cutting head to gauge, 18 inches, to frame, 19 inches; size table, 20x8 inches.

No.	Weight	Each
255	330 lbs.	$137.50

All the above, one in a crate.

ROTARY SLITTING SHEARS

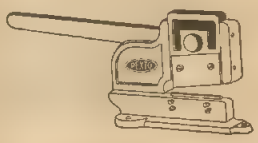


No. 250

Rotary shears, solid frame, and easily adjusted. Forged steel cutters scientifically designed and tempered. **Carefully and substantially built and in every way thoroughly reliable.** Capacity 20 gauge iron and lighter. Diameter cutters, 3 inches; depth cutting head to gauge, 9 inches; to frame, 10⅛ inches. Will cut as narrow as ½-inch strip.

No.	Weight	Each
250	100 lbs.	$75 00

CUT OFF SHEARS

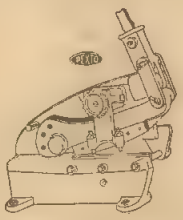


No. 253

Eccentric lever. Capacity iron or steel, ⅛-inch and lighter. Length of blade, 3⅛ inches; length of bed, 10½ inches; height, 6½ inches; length over all, including lever, 18 inches.

No.	Weight	Each
253	17 lbs.	$23.50

LEVER SLITTING SHEARS



No. 0296

For slitting heavy sheets. Capacity 10 gauge iron and lighter. Semi steel frame. A serviceable shears for slitting sheet iron in any length or width and for cutting light narrow bars ⅞ inch square and ¼x1½ inches. Length of cutting blades, 7¾ inches; length gauge rod, 14½ inches.

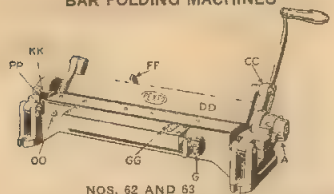
No.	Weight	Each
0296	175 lbs.	$100.00

All the above, one in a box.

SHEET METAL WORKERS' MACHINES

PEXTO

BAR FOLDING MACHINES



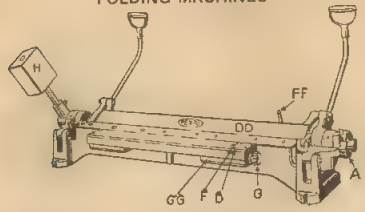
NOS. 62 AND 63

Same general description as No 055 but of smaller capacities. Will form closed or open locks ⅛ to 1 inch open locks to receive work up to ¼-inch diameter. Capacity ⅝-inch locks and wider on 22 gauge iron and lighter ⅛ inch locks and wider on 24 gauge iron and lighter, ⅜-inch locks and wider on XX tin

No.	Size	Weight	Each
62	20 in	140 lbs. . .	... $ 87.50
63	30 in	220 lbs . .	115.00

Loose.

FOLDING MACHINES



No. 055

For folding or edging sheets or strips of sheet iron, soft steel, brass and copper. Adapted for forming the edges of metal at various angles to form locks and square joints, and to turn round edges for inserting wire. Gauge is adjustable and regulates the width of fold by turning gauge screw at right end of machine. Adjustable stop permits forming of any desired angle in addition to regular square or bevel stops. Gripping jaw clamps material securely, guaranteeing forming of square joints or angles, narrow or wide locks of uniform width the entire length. Capacity ⅝-inch locks on 20 gauge iron and lighter; ⅞-inch locks on 22 gauge iron and lighter; length, 37 inches. Will form closed and open locks, ⅛ to 1 inch

No.	Weight	Each
055	420 lbs	$190.00

Loose

SHEET IRON FOLDERS

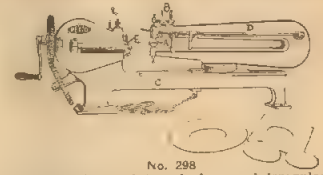
No. 2

Capacity, 22 gauge iron and lighter. Will form locks ⅛ to ⅝-inch. The most inexpensive, practical and durable sheet iron folder for ordinary use.

No.	Length	Weight	Each
2	30 in.	105 lbs.	$35.00

Loose.

RING AND CIRCULAR SHEARS



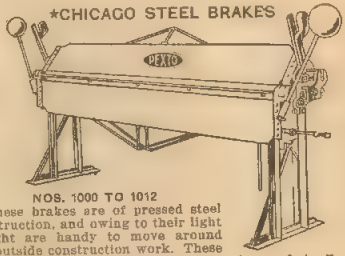
No. 298

For cutting circles or internal rings and irregular curves Quick-acting eccentric lever holds work firmly and insures accurate cutting Permits clamping and removing of blanks with greater rapidity than old style crank screw method. Tail of bed graduated in inches and fractions for quick setting Angular position of cutters provides clean cutting on the inside as well as the outside of circle. Capacity 20 gauge iron and lighter. Diameter cutters, 1⅝ inches; clamping discs, 2¾ inches; depth cutting head to gauge, 9¼ inches; to frame, 10 inches; of circle arm, 16¼ inches. Will circle from square blanks 3¼ to 22 inches; will cut rings as small as 3¼ inches inside and as large as 22 inches outside diameter

No.	Weight	Each
298	200 lbs.	$120.00

One in a box.

★CHICAGO STEEL BRAKES



NOS. 1000 TO 1012

These brakes are of pressed steel construction, and owing to their light weight are handy to move around for outside construction work. These are the most inexpensive brakes that the market offers

NOS. 1000 TO 1003

Capacity, 18 gauge iron and lighter.

No.	For sheets width	Weight	Each
1000	60 in.	750 lbs	$260.00
1001	72 in.	800 lbs.	290.00
1002	96 in.	1000 lbs.	330.00
1003	120 in	1900 lbs.	600.00

NOS. 1004 TO 1008

Capacity, 16 gauge iron and lighter

No.	For sheets, width	Weight	Each
1004	36 in.	400 lbs.	$200.00
1005	48 in.	500 lbs.	230.00
1006	72 in.	1200 lbs	370.00
1007	96 in	1500 lbs	450.00
1008	120 in.	2500 lbs	700.00

NOS. 1009 TO 1012

Capacity, 14 gauge iron and lighter.

No.	For sheets, width	Weight	Each
1009	36 in.	650 lbs.	$250.00
1010	48 in.	800 lbs.	300.00
1011	96 in.	2000 lbs.	600.00
1012	120 in.	3000 lbs.	840.00

Furnished with one forcing bar and five formers for making circular and semi-circular bends. Size of formers, ⅝, 1, 1⅝, 2¼ and 3 inches.

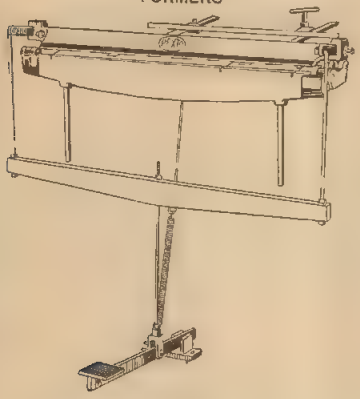
★Shipments of these brakes are made from Chicago.

Loose

SHEET METAL WORKERS' MACHINES

PEXTO

SQUARE AND RECTANGULAR BOX AND PIPE FORMERS



No. 433

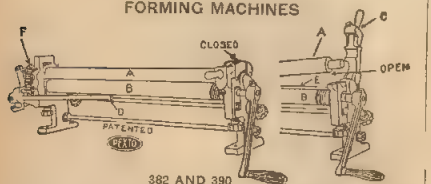
A machine of simple construction for forming the bodies of square and oblong cans, heater pipe, boxes, etc., with either lapped or locked side seams. A depression of the foot treadle clamps the material. The folding bar is brought up and the bend made. The work forms around the clamping bar. Sheets can be formed at right angles or less. All parts are smoothly and accurately machined and finished, well proportioned to their size and for the work they are intended to do. Smallest square pipe that can be formed, 3 inches. Capacity, 26 gauge iron and lighter.

No.	For sheets, width	Weight	Each
433	30 in.	90 lbs.	$50.00

Furnished complete with gauge equipment.

One in a box.

FORMING MACHINES



382 AND 390

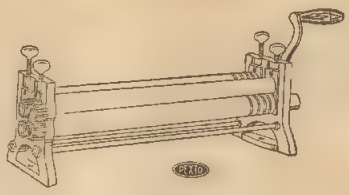
Slip roll pattern. Rolls hard steel, smoothly finished and free from indentations, with grooves to allow forming of work previously wired. Machine cut steel compensating gears. Formed work readily slipped off the end of rolls, a feature which also aids in forming of pipe from a flat sheet with a lock-seam, and is an advantage in forming pipe of very small diameters. Capacity: No. 382, 22 gauge and lighter; No. 390, 16 gauge and lighter.

No.	Rolls	Weight	Each
382	31x2 in.	185 lbs.	$ 60.00
390	37x2½ in.	390 lbs.	175.00

One in a box.

COMPENSATING GEAR FORMERS

SOLID HOUSINGS

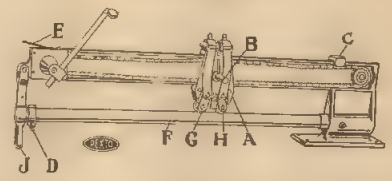


No. 373

Plain pattern. Machine cut compensating gears. Work slipped from machine over the rolls. Rolls hard steel, smoothly finished and free from indentations. Grooves cut in rolls to allow finishing of work previously wired. Capacity, 22 gauge iron and lighter.

No.	Rolls	Weight	Each
373	31x2 in.	140 lbs.	$50.00

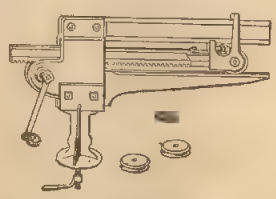
GROOVING MACHINES



No. 518

Improved automatic groover, with flattening attachment. Capacity, 24 gauge iron and lighter. Furnished with three grooving rolls—one each ⅛, 5/32 and ⅞-inch grooves and one flattening roll. Will groove work 30 inches long. Smallest pipe that can be grooved, 2 inches.

No.	Weight	Each
518	200 lbs.	$110.00



No. 502

For tinware and small work. Capacity, 24 gauge iron and lighter. Will groove work 20 inches long. Size of grooving horn: large end, 3 inches; smallest end, 1⅝ inches. Furnished with three grooving rolls, ⅛, 5/32 and 3/16-inch.

No.	Weight	Each
502	110 lbs.	$57.00

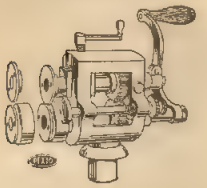
All the above, one in a box.

SHEET METAL WORKERS' MACHINES

PEXTO

TURNING MACHINES

COLUMBIAN PATTERN



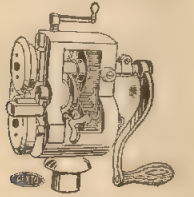
NOS. 540 TO 542

Columbian pattern. Capacity, 22 gauge iron and lighter. Solid open frame combines every modern improvement. Nos. 540 and 541 will take wire $\frac{3}{16}$ to $\frac{1}{4}$-inch in diameter; No. 542 will take wire $\frac{1}{8}$ to $\frac{3}{16}$-inch in diameter. Diameter rolls—No. 540, 1½-inch; No. 541, 2$\frac{3}{16}$-inch; No. 542, 3-inch. Furnished complete with one extra pair of thick turning rolls and standard

No.	Weight	Each
540	22 lbs.	$32.50
541	26 lbs.	32.50
542	31 lbs.	35.00

WIRING MACHINES

COLUMBIAN PATTERN



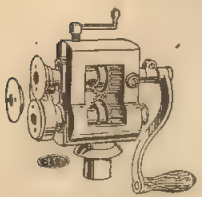
No. 525

For working metal around wire after seat has been prepared with the turning machine. Capacity, 22 gauge iron and lighter. Diameter rolls, 3 inches; will receive wire up to $\frac{1}{4}$-inch in diameter. Complete with standard.

No.	Weight	Each
525	31 lbs.	$37.50

BURRING MACHINES

COLUMBIAN PATTERN



NOS. 576 AND 577

For burring or flanging bottoms and bodies of vessels, etc. Capacity, 22 gauge iron and lighter. No. 576 has 1½-inch rolls; widest flange or burr that can be turned, $\frac{3}{4}$-inch. No. 577 has 2$\frac{1}{16}$-inch rolls; widest flange or burr that can be turned, ¼-inch. Complete with one extra upper roll and standard.

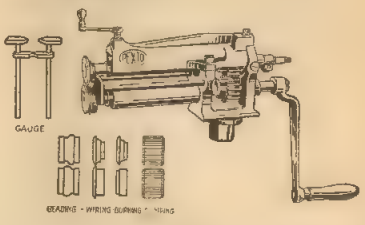
NOS. 576 AND 577

No.	Weight	Each
576	21 lbs.	$27.50
577	25 lbs.	30.00

All the above, one in a wooden box.

ALLINWON ROTARY MACHINES

Five Operations with One Machine.



No. 622

The introduction of this combination machine does not substitute the use of separate machines for different operations. For the active shop there is no economy found in one machine that will do the greatest number of operations. The changing of rolls many times a day is a time killer. Where several mechanics are employed machines should be set up ready for use. However, for the one man shop where a set of machines are idle a great part of the time a combination machine of this type will answer all purposes

Depth throat to frame, 6¼ inches; depth throat to gauge, 5½ inches. Width crimping rolls, 1$\frac{7}{16}$ inches; width beading rolls, 1$\frac{7}{16}$ inches. Diameter turning and wiring rolls, 1⅞ inches. Smallest wire that can be used with turning rolls, 11 gauge. Wiring rolls will receive wire up to 5 gauge. Widest flange or burr that can be turned with burring rolls, $\frac{3}{4}$-inch Distance between shaft centers, 1⅞ inches. Packed one in a box, weight approximately 60 lbs

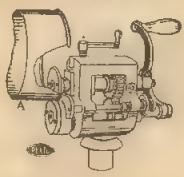
Capacity: Using crimping or beading rolls, 26 gauge iron and lighter; using turning, wiring or burring rolls, 24 gauge iron and lighter.

Note—Furnished complete with standard and five pairs of rolls, viz.: crimping, beading, turning, wiring and burring and one extra gauge. Extra special rolls quoted on receipt of specifications. Provided with forward and reverse drive.

No.	Weight	Each
622	60 lbs.	$65.00

One in a wooden box.

ELBOW EDGING MACHINES



No. 551

For edging elbow sections. Capacity, 24 gauge iron and lighter. Diameter rolls, 2⅛ in. Complete with one set elbow edging rolls and standard.

No.	Weight	Each
551	25 lbs.	$33.00

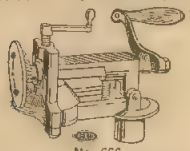
Note—Section corresponding to that in illustration is edged over the lower roll. Special elbow edging rolls quoted on application.

One in a wooden box.

SHEET METAL WORKERS' MACHINES

PEXTO

SETTING DOWN MACHINES



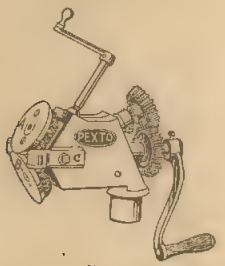
No. 556

For setting down seams in tinware, etc., preparatory to double seaming. Capacity, 24 gauge iron and lighter. For seams up to ⅛-inch. Complete with standard.

No.	Weight	Each
556	23 lbs.	$45.00

One in a wooden box.

With Inclined Faces



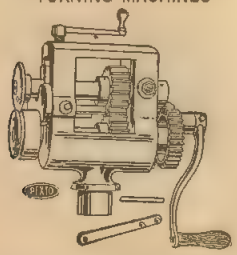
No. 561

For setting down seams preparatory to double seaming, and for closing seams in other work. Capacity, 24 gauge iron and lighter, for seams up to ⅜-inch. Complete with standard

No.	Weight	Each
561	60 lbs.	$45.00

One in a case.

TURNING MACHINES



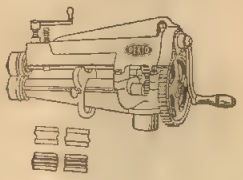
No. 0547

Capacity: 18 gauge iron and lighter. Made from heavy patterns. Machine cut, steel connecting gears; driving gears cut from solid cast iron. Frames extra heavy. Geared 2 to 1; diameter rolls 3¼ inches. Will take wire ⅛ to ⅝-inch. Complete with one set of rolls and standard.

No	Weight	Each
0547	130 lbs.	$80.00

One in a wooden box.

BEADING MACHINES

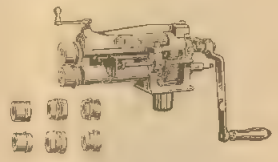


No. 617

Capacity, 20 gauge iron and lighter. Furnished with three pairs regular rolls and bench standard. Depth of throat 12 inches. Size, single bead in rolls, ⅜-inch; ogee bead in rolls, 1 inch; triple bead in rolls, 1 inch.

No.	Weight	Each
617	165 lbs.	$90.00

One in a case.



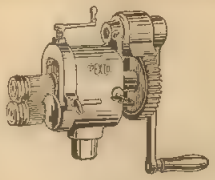
No. 620

Capacity, 24 gauge iron and lighter. Depth of throat, 5½ inches. Furnished with four pairs of rolls—one pair each ogee, ⅝-inch; triple, ⅜-inch and single, ⅛ and ¼-inch. Complete with standard.

No.	Weight	Each
620	50 lbs.	$45.00

One in a case

CRIMPING AND BEADING MACHINES



No. 585

For facilitating the putting together of pipe. Capacity 20 gauge iron and lighter. Spiral crimping rolls. Adjustable for two speeds—geared, for heavy work and direct for light iron. Width crimp rolls, 1¾ inches; bead rolls, 1 inch; size ogee bead, ½-inch. Complete with standard and one pair blank collars to substitute for beading rolls when crimping alone is desired

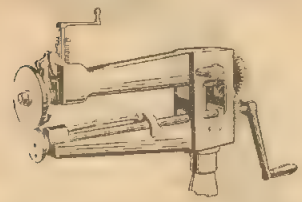
No	Weight	Each
585	65 lbs.	$45.00

One in a wooden box.

SHEET METAL WORKERS' MACHINES

PEXTO

DOUBLE SEAMING MACHINES



NOS. 644 AND 646

For general use. Especially suitable for trade which desires machine for small work. Capacity, 28 gauge iron and lighter. Size of lower face determines smallest size bottom that can be double seamed. Extra discs are not required with this machine. No. 644 will receive work 15½ inches deep, size lower seaming face, 2¾ inches. No. 646 will receive work 10 inches deep, size lower seaming face, 2¾ inches.

No.	Weight	Each
644	100 lbs.	$105.00
646	65 lbs.	95.00

One in a case.

MACHINE STANDARDS

No. 975—REGULAR OFFSET No. 976—WIRING OFFSET

Size of hole, 1⅝ inches. Height over all, from bench, 9¾ inches.

No	Weight	Each
975	10½ lbs.	$4.00
976	11 lbs.	4.00

Loose

No. 969

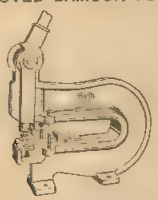
HOLDALL REVOLVING MACHINE STANDARDS

A labor-saving installation that should be found in every up-to-date shop. Provides means of operating small machines to the highest degree of efficiency. Revolving turret holds four machines. Four operations can be completed without changing position. Four machines always ready for action. Designed with ample room for accomodating one to four operators. Occupies only 31 inches of floor space. Hand lever holds revolving turret in a fixed stationary position. Adjustable machine holders that raise, lower or swivel suiting machine to the convenience of short or tall operators. A distinct advantage in working large members in that it provides 40 inches more room from the floor to the working edge of tools of machine, a feature that cannot be obtained in the use of machines on wooden benches on a fixed height. Lower stationary turret holds four additional machines, arranged for quickly interchanging with any machine set in upper revolving turret. This turret also provides handy shelf for holding oil cans, tools, etc. Two additional reserve machine posts out of the way supported on brackets to hold any large bench machine that will not fit in the holes provided for the small machines. Ten posts in all go with each standard.

No	Weight	Each
969	268 lbs.	$95.00

One in a crate.

IMPROVED SAMSON PUNCHES



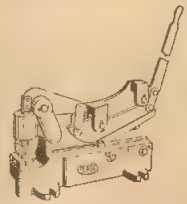
No. 675

With adjustable gauge. Capacity: With stay bolts in place, 9 gauge iron; with stay bolts removed, 12 gauge iron. Depth of throat to frame, 15 inches. Depth of throat to gauge, 14½ inches. Will center sheets, with stay bolts in place, 7 inches wide; with stay bolts removed, 30 inches wide. Furnished with three dies and punches: ⅛, ¼ and ⅜-inch.

No.	Weight	Each
675	160 lbs.	$70.00

One in a case.

COMBINED SHEARS AND PUNCH



No. 679

Cutting capacity, iron ⅛-inch thick or ¼x¼-inch. Will punch iron ¼-inch thick, center sheets 5½ inches wide. Length cut, 4¾ inches.

No.	Weight	Each
679	140 lbs.	$75.00

One in a case.

SHEET METAL WORKERS' TOOLS

PEXTO

MANDRELS AND STAKES

NOS. 961 AND 962—SOLID MANDREL

Cast iron with polished faces.

No.	Length	Diameter	Wt. each	Each
961	34½ in.	2⅝ in.	56 lbs.	$17.50
962	30 in.	2¼ in.	43 lbs.	14.00

No. 910—HOLLOW MANDREL

Flat part, 9x6 inches. Length oval, 31 inches. Radius of circle, 2 inches.

No.	Length	Wt. each	Each
910	40 in.	60 lbs.	$18.00

No. 901—BEAKHORN STAKE

Wrought iron with steel faces. Length, round end 16½ inches; flat end 21½ inches; width flat end, tapers 2½x1⅞ inches; diameter, round end at largest point 2½ inches; smallest point, ⅞-inch.

No.	Wt. each	Each
901	46 lbs.	$40.00

No. 925—BLOWHORN STAKE

Wrought iron with steel faces. Length, large end 9 inches; small end 18 inches; diameter, small end at wide point 1½ inches; at narrow point ⅝-inch; diameter large end at wide point, 4¾ inches; at narrow point ½-inch.

No.	Wt. each	Each
925	14 lbs.	$21.00

No. 927—CREASING STAKE, WITH HORN

No. 928—CREASING STAKE, PLAIN

Wrought iron, with steel faces. No. 927 measures 12 inches on round end and 6¾ inches on flat end, round end tapering from 1½ to ⅞-inch. No. 928 is 15 inches over all.

No.	Wt. each	Each
927	12 lbs.	$21.00
928	11½ lbs.	19.00

All the above, loose.

STAKES

No. 971—CONDUCTOR STAKE

Cast iron with polished faces. Length, large end 15 inches; small end 11½ inches diameter, large end 2¼ inches, small end 1⅜ inches.

No.	Wt. each	Each
971	28 lbs.	$15.00

No. 956
CANDLE MOULD STAKE

No. 957
NEEDLE CASE STAKE

No. 956—CANDLE MOULD STAKE

Wrought iron with steel faces. Length, large end 18½ inches; small end 9½ inches. Small end tapers from 1¼ to ½-inch; large end tapers from ⅞ to ½-inch.

No.	Wt. each	Each
956	7½ lbs.	$13.00

No. 957—NEEDLE CASE STAKE

Wrought iron with steel faces. Length, round end 10½ inches; flat end 8 inches; width flat end 1 inch. Round end tapers from ⅞ to ⅝-inch.

No.	Wt. each	Each
957	4 lbs.	$10.50

No. 932
BEVEL EDGE SQUARE STAKE

No. 935
COPPERSMITHS' SQUARE STAKE

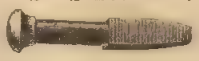
No. 936
SQUARE STAKE

No.	Size face	Wt. each	Each
932	2½x4½ in.	14 lbs.	$15.00
935	2⅝x4½ in.	14 lbs.	13.00
936	2¾x4½ in.	14 lbs.	11.00

NOS. 943 AND 944—HATCHET STAKE

Wrought iron, with steel faces

No.	Length	Blade Center	Edge	Wt. each	Each
	In.	In.	In.		
943	13	2⅛	1¼	8½ lbs.	$13.00
944	11	2⅛	1⅜	8½ lbs.	11.00



No. 965—ROUND HEAD STAKE

Cast iron, with polished faces. Length head, 12½ inches; diameter head, 3 inches.

No.	Wt. each	Each
965	9½ lbs.	$5.00

SHEET METAL WORKERS' TOOLS

PEXTO

STAKES

No. 949—DOUBLE SEAMING STAKE

With four heads. Cast iron with polished faces. For dimensions of heads, see below.

No.	Wt. each	Each
949	110 lbs.	$33.00

Dimensions of Heads

No.	Size	Length to top of standard
A	6 in. diameter	4¼ in.
B	5½ x2⅝ x3¼ in.	2½ in.
C	5½ x4½ in.	2½ in.
D	5⅜ x4¼ x3⅜ in.	2⅜ in.

No. 921—DOUBLE SEAMING STAKE

Wrought iron with steel faces. Length large end 17 inches, small end 12 inches. Diameter 1¾ inches.

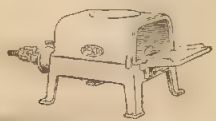
No.	Wt. each	Each
921	37 lbs.	$35.00

BENCH PLATES

NOS. 981 AND 982

No.	Length	Width	Wt. each	Each
981	37½ in.	8 in.	46 lbs.	$18.00
982	30 in.	8 in.	31 lbs.	12.00

GAS FURNACES



No. 333

Double burner. Sheet iron top. Brick lined.

They burn freely with a blue flame of intense heat. Without the use of a blower they will burn natural or artificial gas. The burner is fitted with a regulator of improved type, on the shutter principle for regulating the proper mixture of air and gas for the best results. Hole in top provided to receive lead pot. For a direct pipe connection, hose nipple is easily removed. All double burner furnaces have a sheet steel and asbestos guard underneath the burners to prevent burning of bench and which further serves to retain the heat.

No.	Wt. each	Each
333	16 lbs.	$10.00

All the above, loose

No. 782

TINNERS' FIRE POTS

Light and easily carried. Ashes fall into pan beneath coal, keeping the fire clear and the draft good.

No.	Wt each	Each
782	35 lbs.	$15.00

Loose.

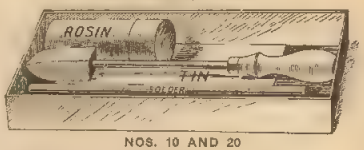
SOLDERING COPPERS

Wrought iron shank. Welded. Japanned.

Weight (per pair)	Per pound
¼ lb.	$2.00
½ lb.	1.36
¾ lb.	1.32
1 lb.	.80
1½ lbs.	.68
2 lbs.	.65
2½ lbs.	.63
3 to 12 lbs.	.60

Loose

SOLDERING SETS



NOS. 10 AND 20

Set consists of soldering copper, bar of solder, box of rosin and piece of tin.

No.		Length	Wt. per set	Per set
10	Leader	11½ in.	5 ozs.	$0.25
20	Handy	13 in.	6 ozs.	.35

One set in a pasteboard box

SET No. 2

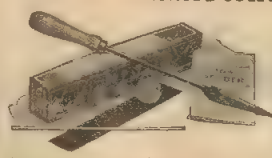
SET No. 2

Set consists of soldering copper, scraper, bar of solder and box of rosin.

Set No.	Wt. per set	Per set
2	1 lb.	$1.85

One set in a wooden box

NOKORODE SOLDERKIT



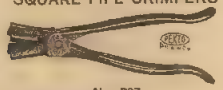
A most complete and practical soldering outfit for the home motorist, motorcyclist, boat owner, electrician, mechanic, janitor and farmer. The instructions for soldering are so simple that a child can solder by reading and following directions. Set consists of soldering copper, bar solder, box Nokorode soldering paste, piece of emery cloth and booklet entitled, "How to Solder."

	Per set
Nokorode Solderkit	$0.75

SHEET METAL WORKERS' TOOLS

PEXTO

SQUARE PIPE CRIMPERS



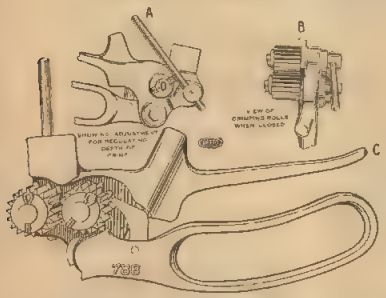
No. 787

Handy tool for assembling square pipe joints. Makes a tight joint and improves the quality and appearance of the work. Length 11 inches.

No.	Wt. each	Each
787	2 lbs.	$2.00

Loose.

HAND PIPE CRIMPERS



No. 788

The Companion Hand Crimper is drop forged from solid steel especially designed for use in the installation of heating plants and wherever it is necessary to crimp pipe on the job.

The rolls rotate by means of a ratchet with an up and down movement of the handle. A lever adjustment regulates the depth of crimp.

Capacity, 26 gauge iron and lighter.

No.	Length	Wt. each	Each
788	7½ in.	2 lbs.	$9.00

One in a box.

HANDY SEAMERS

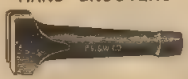
No. 791

Handy pocket tool, very useful where a larger seamer would not be practical. Blade, ⅞x3½ inches; size over all 7¼x3½ inches. Adjustable for seams ⅛ to ⅜-inch.

No.	Wt. each	Each
791	1 lb.	$2.75

Loose.

HAND GROOVERS

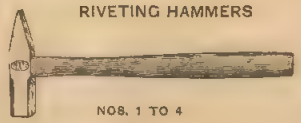


NOS. 00 TO 5

No.	Size groove	Wt. each	Each
00	⅛ in.	1¼ lbs.	$1.65
0	3/16 in.	1⅓ lbs.	1.65
1	¼ in.	1 lb.	1.50
3	⅜ in.	¾ lb.	1.25
5	½ in.	⅝ lb.	1.25

Loose.

RIVETING HAMMERS



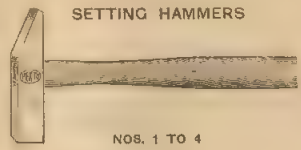
NOS. 1 TO 4

Polished head, hickory handle. No. 1 for sheet iron; Nos. 2, 3 and 4 for tin.

No.	Size face	Wt. each	Each
1	1⅛ in.	24 ozs.	$1.75
2	1 in.	18 ozs.	1.50
3	⅞ in.	14 ozs.	1.25
4	¾ in.	10 ozs.	1.00

Six in a box.

SETTING HAMMERS



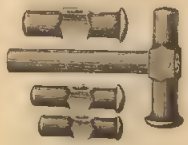
NOS. 1 TO 4

Polished head, hickory handle.

No.	Size face	Wt. each	Each
1	1⅛ in.	24 ozs.	$1.75
2	1 in.	18 ozs.	1.50
3	⅞ in.	14 ozs.	1.25
4	¾ in.	10 ozs.	1.00

Six in a box.

RAISING HAMMERS



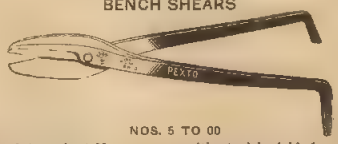
NOS. 1 TO 4

HANDLED

No.	Size face	Wt. each	Each
1	2⅛x1¾ in.	5 lbs.	$8.50
2	2 x1½ in.	3¾ lbs.	6.50
3	1¾x1⅜ in.	2¼ lbs.	4.50
4	1⅝x1⅛ in.	1⅛ lbs.	3.25
			Per doz.
Extra Handles, all sizes			$3.50

Loose.

BENCH SHEARS



NOS. 5 TO 00

Forged from best Norway iron with steel laid blades. These shears bear the Pexto guaranteed trademark, and are stamped **"1819 Original P. S. & W. Co." Fully warranted.**

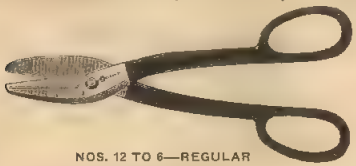
No.	Cuts	Length	Wt. each	Each
5	6¼ in.	27 in.	9 lbs.	$15.00
4	7⅝ in.	30 in.	12 lbs.	16.50
2	8¾ in.	37 in.	19 lbs.	20.00
1	9 in.	39 in.	24 lbs.	22.00
0	10½ in.	42½ in.	30 lbs.	30.00
00	11⅞ in.	46 in.	36 lbs.	33.00

One in a package.

TINNERS' SNIPS

Clean Cut

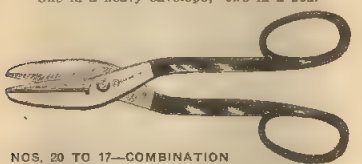
Crucible steel laid blades, polished. Forged steel handles, blued. Extra fine finish and adjustment. Fully warranted.



NOS. 12 TO 6—REGULAR

No.	Cuts	Length	Wt. each	Each
12	2 in.	8½ in.	½ lb.	$1.90
11	2¼ in.	10 in.	⅝ lb.	2.50
10	2½ in.	11¼ in.	1 lbs.	3.00
9	3 in.	12¾ in.	1¾ lbs.	3.40
8	3½ in.	13 in.	2¼ lbs.	4.00
7	4 in.	14½ in.	2¾ lbs.	4.80
6	4½ in.	15½ in.	3¼ lbs.	5.50

One in a heavy envelope; two in a box.

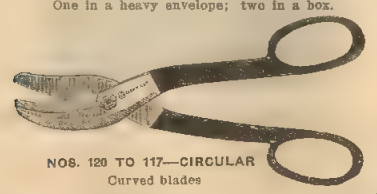


NOS. 20 TO 17—COMBINATION

Oval blades. For cutting irregular and straight lines.

No.	Cuts	Length	Wt. each	Each
20	2½ in.	11¾ in.	1¼ lbs.	$3.50
19	3 in.	12¾ in.	1⅝ lbs.	4.00
18	3½ in.	13 in.	2¼ lbs.	4.40
17	4 in.	14¼ in.	2⅝ lbs.	5.00

One in a heavy envelope; two in a box.



NOS. 120 TO 117—CIRCULAR

Curved blades

No.	Cuts	Length	Wt. each	Each
120	2½ in.	11¾ in.	1¼ lbs.	$4.80
119	3 in.	12¾ in.	1⅝ lbs.	5.30
118	3½ in.	13 in.	2¼ lbs.	5.80
117	4 in.	14¼ in.	2⅝ lbs.	6.20

One in a heavy envelope; two in a box.

No. 25—POCKET

For tinners, mechanics, automobilists, etc. Forged from special cutlery steel. Blued handles, polished blades. Fully warranted.

No.	Cuts	Length	Wt. each	Each
25	2 in.	7 in.	½ lb.	$1.00

One in a heavy envelope; six in a box.

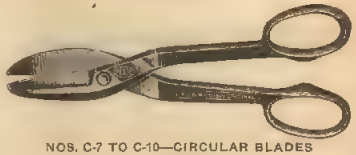
PEXTO

Forged from best Norway iron with steel laid blades. These shears bear the Pexto guaranteed trademark, and are stamped "1819 Original P. S. & W. Co." Fully warranted.

NOS. P-6½ TO P-12—STRAIGHT BLADES

No.	Cuts	Length	Wt. each	Each
P-6½	4¾ in.	15⅝ in.	3½ lbs.	$0.10
P-7	5 in.	14¾ in.	2⅞ lbs.	5.20
P-8	4½ in.	14½ in.	2¾ lbs.	4.20
P-9	6 in.	12 in.	1¾ lbs.	3.60
P-10	2½ in.	11 in.	1½ lbs.	3.30
P-11	9¾ in.	10½ in.	1 lb.	2.50
P-12	2 in.	11 in.	⅞ lb.	2.10

One in a box.

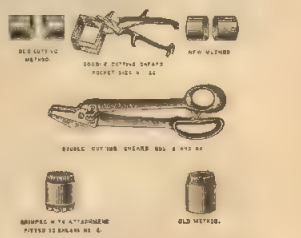


NOS. C-7 TO C-10—CIRCULAR BLADES

No.	Cuts	Length	Wt. each	Each
C-7	4 in.	14⅝ in.	2⅝ lbs.	$7.20
C-8	3½ in.	13½ in.	2¼ lbs.	6.10
C-9	3 in.	12 in.	1¾ lbs.	5.60
C-10	2½ in.	11 in.	1⅝ lbs.	5.10

One in a box.

DOUBLE CUTTING—BERRIDGE PATENT



No. 2—WITH CRIMPING ATTACHMENT

Has sharp pointed blade which is easily inserted in sheet metal at point desired to begin the cut. For cutting stove and furnace pipe, etc. The No. 2 has crimping attachment for crimping ends of stove pipe, etc. Crucible steel blades. Wrought iron handles, japanned.

Without crimping attachment.

No.	Cuts	Length	Wt. each	Each
22	1¾ in.	8½ in.	1 lb.	$4.20

With crimping attachment.

No.	Cuts	Length	Wt. each	Each
2	2 in.	12¾ in.	3 lbs.	$5.00

Without crimping attachment.

No.	Cuts	Length	Wt. each	Each
02	2 in.	12¾ in.	3 lbs.	$4.50

One in a box.

TINNERS' SNIPS

WISS

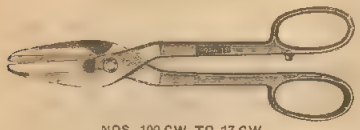
A piece of finest crucible steel welded to the inside of the blades of tough steel forgings gives a perfect, durable cutting edge. The blades are perfectly shaped, with strong points, and handles formed so that they will not tire the hand with continuous use.

REGULAR PATTERN

NOS. 12-W TO 6½-W

No.	Cuts	Length	Wt. each	Each
12-W	2 in.	8 in.	½ lb.	$1.45
11-W	2¼ in.	9½ in.	⅝ lb.	1.73
10-W	2½ in.	11⅛ in.	1⅓ lbs.	2.34
9-W	3 in.	13⅛ in.	2 lbs.	2.55
8-W	3½ in.	13¾ in.	2½ lbs.	2.88
7-W	4 in.	14⅓ in.	3⅛ lbs.	3.62
6½-W	4½ in.	15¾ in.	3½ lbs.	4.32

COMBINATION PATTERN

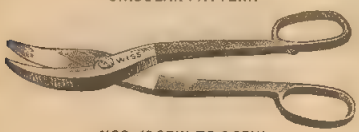


NOS. 100-CW TO 17-CW

Straight edges. The jaws are ground and shaped so they can be used for cutting curves and irregular shapes

No.	Cuts	Length	Wt each	Each
100-CW	2½ in.	11½ in.	1½ lbs.	$2.63
19-CW	3 in.	12½ in.	1¾ lbs.	2.06
18-CW	3½ in.	13½ in.	2½ lbs.	3.28
17-CW	4 in.	14½ in.	3 lbs.	3.94

CIRCULAR PATTERN



NOS. 10-CBW TO 8-CBW

No.	Cuts	Length	Wt each	Each
10-CBW	2½ in.	11½ in.	1½ lbs.	$3.62
9-CBW	3 in.	12½ in.	2 lbs	3.90
8-CBW	3½ in.	13¾ in.	2½ lbs.	4.32

All the above, one in a box.

POCKET PATTERN

No. 13-W

No.	Cuts	Length	Wt. each	Each
13-W	2 in.	7 in.	½ lb.	$1.34

Six in a box.

WISS SNIP PANEL

Mounted on a 12x16-inch hardwood easel, mission green finish. Contains one each Nos. 9-W, 10-W, 11-W, 12-W and 100-CW.

	Wt each	Each
Wiss Snip Panel	8 lbs.	$10.70

Loose

DENTAL SNIPS

WISS

NOS. 0-W AND 1-W

Used by dentists, electricians, automobilists, etc., for cutting thin sheet metal.

Japanned handles. Nickel plated steel laid blades.

No.	Cuts	Length	Wt. each	Each
0-W	2 in.	7½ in.	5 ozs.	$1.31
1-W	2½ in.	8 in.	6 ozs.	1.43

Six in a box.

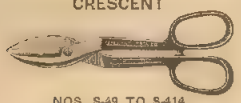
No. I. D. A.

Improved with heavy blades and powerful leverage.

No.	Cut	Length	Wt. each	Each
I. D. A.	1⅝ in.	7 in.	6 ozs.	$1.31

TINNERS' SNIPS

CRESCENT



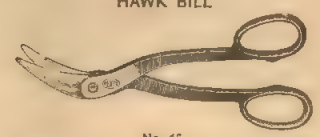
NOS. S-49 TO S-414

Made and guaranteed by the Crescent Tool Co. Drop forged steel. Blades are ground to cut each right length. Handles blue enameled. Blades polished

No.	Length	Cut	Wt. each	Each
S-49	9 in.	2 in.	9 ozs.	$1.20
S-410	10 in.	2¼ in.	13 ozs.	1.36
S-411	11 in.	2½ in.	1 lb.	1.44
S-412	12 in.	3 in.	2 lbs.	1.60
S-413	13 in.	3½ in.	2½ lbs.	2.00
S-414	14 in.	4 in.	3 lbs.	2.30

One in a display box.

HAWK BILL



No. 15

Forged steel blades blued. Polished steel. Blades. Blades are hawk bill shape and have a clearance bevel between the cutting edges which permits the blades to turn a sharp corner or work around a small curve without buckling. The blades being unusually narrow and ground to extreme narrow points, are adapted to cutting openings in pipe or cylinders for furnace work, thimbles, etc. They are especially adapted for cornice work in tight places.

Work can be cut on a straight line and they will cut circles of smaller dimensions than any other snip. Will cut 28 gauge iron

No.	Length cut	Over all	Wt. each	Each
15	3 in.	11¾ in.	1¼ lbs.	$6.00

One in a carton.

BULL DOG

NOS. 20-C TO 30-C

Cast iron blades, hardened. Japanned handles. Polished blades

No.	Cuts	Length	Wt. each	Each
20-C	2 in.	10 in.	12 ozs.	$0.70
25-C	2½ in.	11 in.	1¼ lbs.	.80
30-C	3 in.	11½ in.	1½ lbs.	.90

Six in a box.

SUNSET

No. 2 POCKET NOS. 2½ AND 3 HOUSEHOLD

Solid drop forged steel, tempered and hardened. Hollow ground blades, polished. Japanned handles.

No.	Cuts	Length	Wt. each	Each
2	2 in.	7 in.	8 ozs.	$0.90
2½	2½ in.	10 in.	1 lb.	1.20
3	3 in.	12½ in.	1¼ lbs.	1.40

Six in a box

MECHANICS' SNIPS

COMPOUND LEVER

Require only from one-fourth to one half the force used on ordinary snips. Cut with practically the same ease the entire length of blade. Made of solid crucible steel, carefully tempered for the work required. Guaranteed perfect and free from flaws.

No. 7-CL

Vest pocket size.

No.	Length	Cuts	Wt. each	Each
7-CL	7 in.	1¼ in.	5 ozs.	$5.00

One in a box.

No. 8-CL

No.	Length	Cuts	Wt. each	Each
8-CL	8 in.	1¾ in.	10 ozs.	$8.00

NOS. 10-CL TO 14-CL

NOS. 10-CL TO 14-CL

No.	Length	Cuts	Wt. each	Each
10-CL	10½ in.	2½ in.	1¾ lbs.	$10.00
12-CL	12 in.	3 in.	2 lbs.	13.00
14-CL	14 in.	3½ in.	2½ lbs.	15.00

One in a box.

POCKET CUTLERY

"HAMMER BRAND"

This is the New York Knife Company's factory brand and is one of the best known and best advertised make of pocket knives in the United States. Their factory is the largest and most complete in the country. Their patterns are the latest and their finish is excellent. The knives are all hand-honed after finishing, which makes them sharp and ready for use, and which overcomes the general complaint on inferior American-made knives. English Wardlow Steel is used exclusively in the blades and none but the most experienced and skilled workmen are employed. The knives are guaranteed both by the factory and ourselves against defect of temper, flaws or workmanship. Hammer Brand pocket knives are made with the old fashioned idea of Quality first.

POCKET KNIFE DISPLAY BOXES

No.		
★60	Standard knife box for show case. Green plush top Holds 6 or more knives..	$0.08 each

ADVERTISING MATTER

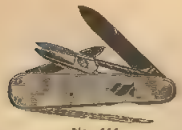
"HAMMER BRAND" HELPS

Order by number.

No.		
8	Genuine leather and plush display easel for six fine knives.....	$ 1.00 each
10	Exhibition knife, 11 inches long, weight 2 lbs. Built exactly like a regular jack knife..	10.00 each
12	Red Ball easel cardboard sign for Buffalo Bill pattern, size 7 x 9 inches.	No charge
14	Red Ball easel cardboard sign for display of all patterns, size 7 x 9 inches....	No charge
17	Black grease pencil for marking cutlery etc Will write off with chamois..	No charge
19	Steel knife opener To facilitate the opening of pocket knives	No charge
21	Electric flashlight sign, attach to any light socket, diameter 11 inches	5.00 each
22	Small window card to display individual knives, size 3 x 4 inches	No charge
24	Counter case and display cabinet.....	5.00 each
★25	Electric window display and cabinet. Has removable display tray with spaces for thirty knives. Shelves in back to hold stock boxes for thirty or forty dozen knives. Equipped with Polar Cub motor, six feet of cord and plug to attach to nearest light socket. Packed complete with eight assorted steel display signs. Shipping weight, 50 lbs.....	15.00 each
27	Buffalo Bill steel sign. Lithographed in blue, yellow and red, size 9 x 12 inches	.50 each
28	Red Ball easel steel sign, intended for display of all patterns, size 9 x 12 inches...	.50 each
33	Jack or Premium stock easel steel sign. Lithographed in blue and yellow, size 6 x 7 inches	.25 each
34	Punch Blade Jack or Premium stock easel steel sign, size 6 x 7 inches.....	.25 each
35	Cattle knife steel sign. Especially adapted for the No 3610 and other three blade cattle knives, size 6 x 7 inches .. .. ..

POCKET KNIVES

HAMMER BRAND



No. 444

Pearl handle, 2¾ inches; nickel silver lining, milled edges. Two blades and scissors; nail file on back.

No.	Wt. per doz	Per doz.
444	1½ lbs.	$80.00

No. 458

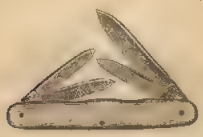
Pearl handle, 3⅛ inches; brass lining, nickel silver bolsters. Three blades, nail file on back.

No.	Wt. per doz.	Per doz.
458	1 lb.	$72.00

No. 467

Pearl handle, 3 inches; nickel silver lining. Three blades, nail file on back.

No.	Wt. per doz.	Per doz.
467	1 lb.	$66.00



No. 4901

Pearl handle, 3 inches; nickel silver lining, milled edges. Three blades and nail file. Blades highly polished. Each knife packed in a leather purse.

No.	Wt. per doz.	Per doz
4901	1¼ lbs.	$64.00

No. 417

Pearl handle, 3 inches; nickel silver lining and bolsters. Three blades and nail file

No.	Wt. per doz.	Per doz.
417	1 lb.	$56.00

No. 4058

Stag handle, 3¼ inches; brass lining nickel silver tips. Three blades and nail file

No.	Wt. per doz	Per doz.
4058	1 lb.	$56.00

No. 415

Stag handle, 3 inches; nickel silver lining and bolsters. Three blades and nail file

No.	Wt. per doz.	Per doz.
415	1 lb	$36.00

No. 4164

Stag handle, 3⅜ inches; brass lining, nickel silver bolsters. Three blades and nail file.

No.	Wt. per doz.	Per doz.
4164	1¼ lbs.	$28.80

No. 422

Stag handle, 2¾ inches; brass lining, nickel silver bolsters. Three blades and nail file.

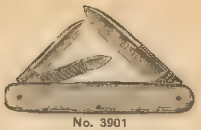
No.	Wt. per doz.	Per doz.
422	¾ lb.	$24.00

No. 333

Pearl handle, 2⅞ inches; brass lining, nickel silver bolsters. One master blade, nail file and pair of scissors.

No.	Wt. per doz	Per doz.
333	1 lb	$60.00

All the above, one half dozen in a box.



No. 3901

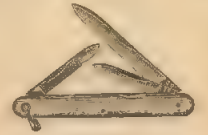
Pearl handle, 3 inches; nickel silver lining, milled edges. Two blades and nail file, full polished. Each knife packed in leather purse.

No.	Wt. per doz.	Per doz.
3901	1 lb.	$56.00

No. 3041-R

Pearl handle, 2¾ inches; nickel silver lining and shackle. Two blades, nail file on back.

No.	Wt. per doz.	Per doz.
3041-R	½ lb.	$48.00



No. 324-R

Pearl handle, 2½ inches; nickel silver lining and shackle. Two blades and nail file.

No.	Wt. per doz.	Per doz.
324-R	½ lb	$48.00

No. 317

Pearl handle, 3 inches; nickel silver lining and bolsters. Two blades and nail file.

No.	Wt. per doz.	Per doz.
317	1 lb.	$48.00

No. 371

Pearl handle, 3 inches; brass lining, nickel silver bolsters. Two blades and nail file.

No.	Wt. per doz.	Per doz.
371	1¼ lbs.	$44.00

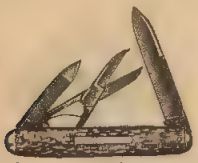
POCKET KNIVES

HAMMER BRAND

No. 457

Stag handle, 3⅛ inches; brass lining, nickel silver bolsters. Three blades, nail file on back.

No.	Wt. per doz.	Per doz.
457	1 lb.	$48.00



No. 332

Stag handle, 2⅞ inches; brass lining, nickel silver bolsters. Master blade, nail file and pair of scissors.

No.	Wt. per doz.	Per doz.
332	1 lb.	$42.00

No. 3365

Pearl handle, 2⅞ inches; brass lining, nickel silver bolsters. Three blades.

No.	Wt. per doz.	Per doz.
3365	¾ lb.	$36.00

No. 3038-R

Stag handle, 2¾ inches, nickel silver lining and shackle. Two blades, nail file on back.

No.	Wt. per doz	Per doz.
3038-R	½ lb	$33.00

No. 315

Stag handle, 3 inches; nickel silver lining and bolsters. Two blades and nail file.

No.	Wt. per doz	Per doz.
315	1 lb.	$32.00

No. 3155

Prizmashell. A combination color handle, 3⅛ inches; brass lining, nickel silver bolsters. Two blades and nail file.

No.	Wt. per doz.	Per doz.
3155	¾ lb.	$27.00

No. 3048

Stag handle, 3⅛ inches; brass lining, nickel silver tipped. Two blades and nail file.

No.	Wt. per doz.	Per doz
3048	1 lb.	$26.40

No. 3117

Ebony handle, 3¼ inches; brass lining, nickel silver bolsters. Three blades

No.	Wt. per doz.	Per doz
3117	1¼ lbs.	$24.00

No. 3119

Stag handle, 3¼ inches; brass lining, nickel silver bolsters. Three blades.

No.	Wt per doz.	Per doz
3119	1¼ lbs.	$24.00

No. 3154

Stag handle, 3⅛ inches; brass lining, nickel silver bolsters. Two blades and nail file.

No.	Wt per doz.	Per doz
3154	1½ lbs.	$24.00

All the above, one half dozen in a box.

No. 322

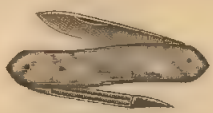
Stag handle, 2½ inches; brass lining, nickel silver bolsters. Two blades and nail file.

No.	Wt. per doz.	Per doz.
322	¾ lb.	$22.80

No. 2270-R—EMBLEM

Pearl handle, 3 inches; nickel silver lining, shackle and bolsters. The following emblems inserted in handle—Elks, Masons or Shriners. One blade and nail file on back. Blade full polished.

No.	Wt. per doz.	Per doz
2270-R	¾ lb.	$56.00



No. 2279

Pearl handle, 3 inches; nickel silver lining. One blade and nail file on back. Blade full polished.

No.	Wt. per doz.	Per doz
2279	¾ lb.	$48.00

No. 2901

Pearl handle, 3 inches; nickel silver lining, milled edges. Two blades, full polished. **Each knife in leather purse.**

No.	Wt. per doz.	Per doz
2901	¾ lb.	$48.00

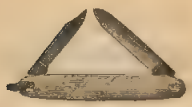
No. 2353

Pearl handle, 3¼ inches; brass lining, nickel silver bolsters. Two blades.

No.	Wt. per doz.	Per doz.
2353	1¼ lbs.	$36.00

POCKET KNIVES

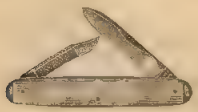
HAMMER BRAND



No. 277-R

Pearl handle, 2⅝ inches; brass lining, nickel silver shackle. Two blades.

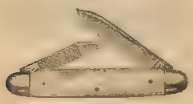
No.	Wt. per doz	Per doz
277-R	¾ lb.	$36.00



No. 2006

Pearl handle, 3⅛ inches; brass lining, nickel silver bolsters. One blade and nail file.

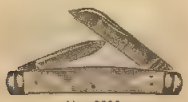
No.	Wt. per doz.	Per doz.
2006	¾ lb.	$36.00



No. 282

Pearl handle, 3⅛ inches; brass lining, nickel silver bolsters. One blade and nail file.

No.	Wt. per doz.	Per doz.
282	¾ lb.	$32.00



No. 2292

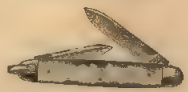
Pearl handle, 3 inches; brass lining, nickel silver bolsters. Two blades.

No.	Wt. per doz.	Per doz.
2292	¾ lb.	$32.00

No. 2078

Pearl handle, 2¾ inches; brass lining, nickel silver bolsters. Two blades.

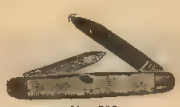
No.	Wt. per doz	Per doz.
2078	¾ lb.	$32.00



No. 295-R

Pearl handle, 2¾ inches, with ring; brass lining, nickel silver bolsters.

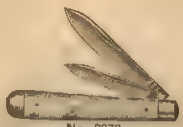
No.	Wt. per doz.	Per doz
295-R	½ lb.	$28.00



No. 295

Pearl handle, 2¾ inches; brass lining, nickel silver bolsters. Two blades.

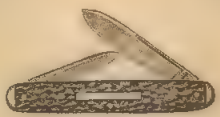
No.	Wt per doz	Per doz
295	½ lb.	$27.00



No. 2070

Pearl handle, 2⅝ inches; brass lining, nickel silver bolsters. Two blades.

No.	Wt. per doz.	Per doz
2070	¾ lb.	$27.20



No 290

Stag handle, 3 inches; nickel silver lining and bolsters. Blades full polished. Two blades.

No.	Wt. per doz.	Per doz.
290	¾ lb.	$27.00

No. 261

Stag handle, 3½ inches; brass lining, nickel silver bolsters. Two blades.

No.	Wt. per doz.	Per doz.
261	1 lb.	$24.00

All the above, one half dozen in a box.

No. 2004

Stag handle, 3⅛ inches; brass lining, nickel silver bolsters. One blade and nail file.

No.	Wt. per doz.	Per doz.
2004	¾ lb	$24.00

No. 280

Pearl handle, 3⅛ inches, brass lining, nickel silver bolsters. One blade and nail file.

No.	Wt. per doz.	Per doz.
280	¾ lb.	$19.20

No. 2288

Stag handle, 3 inches; brass lining, nickel silver bolsters. Two blades.

No.	Wt. per doz.	Per doz.
2288	1¼ lbs.	$19.20

No. 2115

Stag handle, 3 inches; brass lining, nickel silver bolsters. Two blades.

No.	Wt. per doz.	Per doz.
2115	¾ lb.	$19.20

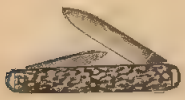
No. 2048

Stag handle, 3¼ inches; brass lining, nickel silver bolsters. Two blades.

No.	Wt. per doz.	Per doz.
2048	1 lb.	$19.20

POCKET KNIVES

HAMMER BRAND



No. 234

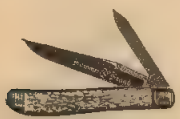
Stag handle, 3 inches; brass lining, nickel silver bolsters. Two blades.

No.	Wt. per doz.	Per doz.
234	⅝ lb.	$18.00

No. 2992-R

Stag handle, 2¾ inches; brass lining, nickel silver bolsters and shackle. Two blades.

No.	Wt. per doz.	Per doz.
2992-R	¾ lb.	$18.00



No. 2077

Stag handle, 2¾ inches; brass lining, nickel silver bolsters. Two blades.

No.	Wt. per doz.	Per doz.
2077	¾ lb.	$18.00

No. 2355

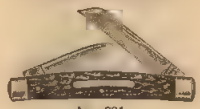
Stag handle, 3¼ inches; brass lining, nickel silver bolsters. Two blades.

No.	Wt. per doz.	Per doz.
2355	1 lb.	$16.80

No. 2992

Stag handle, 2¾ inches; brass lining, nickel silver bolsters. Two blades.

No.	Wt. per doz.	Per doz
2992	½ lb.	$16.00



No. 291

Stag handle, 3 inches; brass lining, nickel silver bolsters. Two blades.

No.	Wt. per doz.	Per doz
291	¾ lb.	$16.00

No. 2272

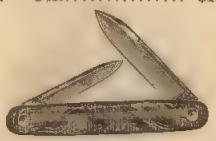
Stag handle, 3 inches; brass lining, two large nickel silver rivets. One blade and nail file.

No.	Wt. per doz.	Per doz.
2272	¾ lb.	$16.00

No. 6187

Stag handle, 3¼ inches; brass lining, two large nickel silver rivets. Two blades.

No.	Wt. per doz.	Per doz.
6187	1 lb.	$16.00



No. 21

Persian shell handle, 3¼ inches; brass lining, large nickel silver rivets. Two blades.

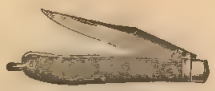
No.	Wt per doz	Per doz.
21	1 lb.	$16.00

No. 2897

Metal handle, 3⅛ inches; silvered finish. Easy opener rings. Two blades.

No.	Wt. per doz.	Per doz.
2897	½ lb.	$16.00

All the above, one half dozen in a box.



No. 1076-R

Persian shell handle, 2¾ inches; brass lining, nickel silver bolster and shackle. One blade.

No.	Wt. per doz.	Per doz.
1076-R	½ lb.	$16.00

No. 117

Persian shell handle, 2¼ inches; brass lining, nickel silver shackle. One blade.

No.	Wt per doz	Per doz.
117	⅜ lb.	$9.00

No. 4215

Stag handle, 3¾ inches; nickel silver lining and bolsters. Clip, sheep foot, spey and pen blades.

No.	Wt. per doz.	Per doz.
4215	1¾ lbs.	$38.40

No. 3630

Blue pearlshell handle; 3¾ inches; nickel silver lining and bolsters. Special rangers clip, regular clip and punch blades

No.	Wt. per doz.	Per doz.
3630	1¾ lbs.	$38.40

No. 3425

Stag handle, 3¾ inches; nickel silver lining and bolsters. Special rangers clip, sheep foot and spey blades.

No.	Wt. per doz.	Per doz.
3425	2 lbs.	$38.00

POCKET KNIVES

HAMMER BRAND

No. 3423

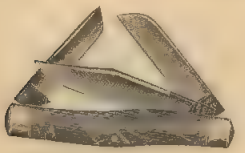
Stag handle, 3½ inches; nickel silver lining and bolsters. Special rangers clip, sheep foot and spey blades.

No.	Wt. per doz.	Per doz.
3423	1½ lbs	$33.00

No. 3621

Amber shell handle, 3¾ inches; brass lining, nickel silver bolsters. Clip, spey and punch blades.

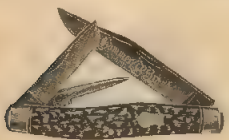
No.	Wt. per doz.	Per doz.
3621	1¾ lbs	$30.00



No. 3615

Green pearlshell handle, 3¾ inches; brass lining, nickel silver bolsters. Clip, sheep foot and spey blades.

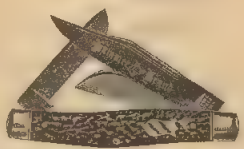
No.	Wt. per doz.	Per doz.
3615	2 lbs	$28.80



No. 3521

Stag handle, 4 inches; brass lining, nickel silver bolsters. Clip, spey and punch blades.

No.	Wt. per doz.	Per doz.
3521	2 lbs	$28.80



No. 3515

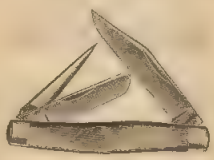
Stag handle, 4 inches; brass lining, nickel silver bolsters. Clip, sheep foot and spey blades.

No.	Wt. per doz.	Per doz.
3515	2 lbs	$27.20

No. 3516

Stag handle, 4 inches. Same as No. 3515, but with clip, sheep foot and pen blades.

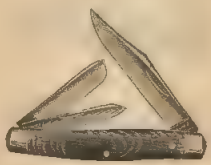
No.	Wt. per doz.	Per doz.
3516	2 lbs	$26.40



No. 3613

Red pearlshell handle, 3¼ inches; brass lining, nickel silver bolsters. Two blades and a punch blade.

No.	Wt. per doz.	Per doz.
3613	1¼ lbs	$27.20



No. 3610

Blue pearlshell handle, 3¼ inches; brass lining, nickel silver bolsters. Clip, spey and pen blades.

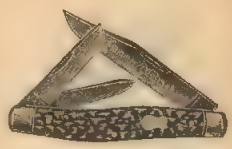
No.	Wt. per doz.	Per doz.
3610	1 lb	$25.20

No. 3513

Stag handle, 3¼ inches; brass lining, nickel silver bolsters. Clip, spey and punch blades.

No.	Wt. per doz.	Per doz.
3513	1¼ lbs	$25.20

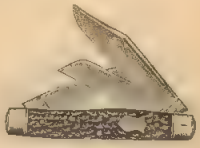
All the above, one half dozen in a box.



No. 3510

Stag handle, 3¼ inches; brass lining, nickel silver bolsters. Clip, spey and pen blades.

No.	Wt. per doz.	Per doz.
3510	1¼ lbs	$24.00



No. 35

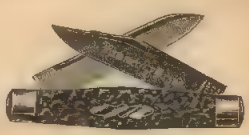
Stag handle, 2⅞ inches; brass lining, nickel silver bolsters. Clip, sheep foot and spey blades.

No.	Wt. per doz	Per doz.
35	1¼ lbs	$24.00

No. 2513

Stag handle, 3¾ inches; brass lining, nickel silver bolsters. Clip and spey blades.

No.	Wt. per doz.	Per doz.
2513	1¼ lbs	$24.00



No. 2399

Stag handle, 3⅝ inches; brass lining, nickel silver bolsters. Clip and spear point blades.

No.	Wt. per doz.	Per doz.
2399	2¼ lbs	$24.00

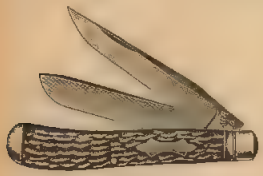
POCKET KNIVES

HAMMER BRAND

No. 2808

Stag handle, 3¾ inches; brass lining, nickel silver bolsters, shaped handle. Large clip and pen blades.

No.	Wt. per doz.	Per doz.
2808	2¾ lbs.	$24.00



No. 2790

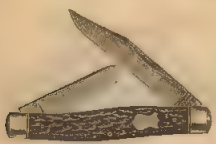
Stag handle, 3¾ inches; brass lining, nickel silver bolsters. Long clip and spey blades.

No.	Wt. per doz.	Per doz.
2790	2 lbs.	$24.00

No. 233

Stag handle, 3⅜ inches; brass lining, nickel silver bolsters. Special rangers clip and spey blades. Shaped handle.

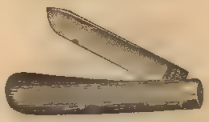
No.	Wt. per doz.	Per doz.
233	1¾ lbs.	$20.80



No. 2510

Stag handle, 3¼ inches; brass lining, nickel silver bolsters. Clip and spey blades.

No	Wt. per doz.	Per doz.
2510	1 lb	$21.00



No. 1156

Redwood handle, 3¼ inches; steel lining and bolster. A speying knife with a glazed speying blade.

No	Wt. per doz	Per doz.
1156	1¼ lbs.	$6.20

No. 3204

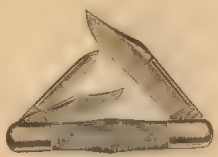
Pearl handle, 3½ inches; brass lining, nickel silver bolster. Spear point, sheep foot and pen blades.

No.	Wt. per doz.	Per doz.
3204	1½ lbs.	$56.00

No. 307

Stag handle, 3½ inches; nickel silver lining and bolsters. Large clip, small clip and pen blades.

No.	Wt. per doz.	Per doz.
307	1½ lbs.	$28.80

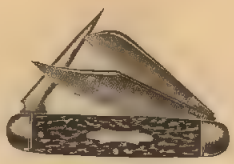


No. 393

Red perishell handle, 3¼ inches; brass lined, nickel silver bolsters. Three blades, one large and one small clip, and one pen blade.

No.	Wt. per doz.	Per doz.
393	1½ lbs.	$26.40

All the above, one half dozen in a box.



No. 3236

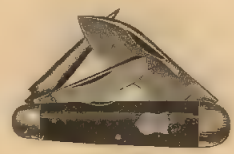
Stag handle, 3⅝ inches; brass lining, nickel silver bolsters. Clip, sheep foot and punch blades.

No.	Wt. per doz.	Per doz.
3236	2¼ lbs.	$28.80

No. 3227

Stag handle, 3⅝ inches; brass lining, nickel silver bolsters. Spear point, pen and nail file.

No.	Wt. per doz.	Per doz.
3227	1½ lbs.	$27.60



No. 325

Ebony handle, 3½ inches; nickel silver lining and bolsters. Heavy spear point, spey and punch blades.

No.	Wt. per doz.	Per doz.
325	2¼ lbs.	$32.00

No. 3306

Ebony handle, 3½ inches; brass lining, nickel silver bolsters. Clip point sabre, cut off pen and regular pen blades.

No.	Wt. per doz.	Per doz.
3306	1½ lbs.	$27.60

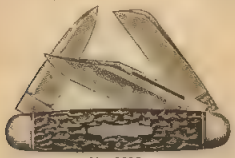
POCKET KNIVES

HAMMER BRAND

No. 392

Stag handle, 3¼ inches, brass lining, nickel silver bolsters. Large clip, small clip and pen blades.

No.	Wt. per doz.	Per doz.
392	1½ lbs	$25.20



No. 3238

Stag handle, 3⅝ inches; brass lining, nickel silver bolsters. Clip, sheep foot and heavy pen blades.

No.	Wt. per doz.	Per doz
3238	2½ lbs	$28.80

No 3220

Stag handle, 3⅝ inches; brass lining, nickel silver bolsters. Spear point, sheep foot and spey blades.

No.	Wt. per doz.	Per doz.
3220	2½ lbs	$25.20

No. 3202

Stag handle, 3⅝ inches; brass lining, nickel silver bolsters. Spear point, sheep foot and pen blades.

No.	Wt. per doz.	Per doz.
3202	2¼ lbs.	$24.00

No. 3320

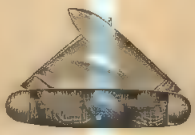
Prizmashell handle, 3⅝ inches. Spear point, sheep foot and pen blades, otherwise as No. 3202.

No.	Wt. per doz.	Per doz
3320	2½ lbs	$28.80

No. 3750

Stag handle, 3¼ inches; brass lining, nickel silver bolsters. Clip and two pen blades.

No.	Wt. per doz.	Per doz.
3750	1 lb.	$24.00



No. 32

Green shell handle, 2⅞ inches; brass lining, nickel silver bolsters. Spear, sheep foot and spey blades.

No.	Wt. per doz.	Per doz.
32	1¼ lbs.	$24.00

No. 2997

Stag handle, 4¼ inches; brass lining, nickel silver bolsters. Large spear and pen blades

No.	Wt. per doz	Per doz.
2997	3 lbs	$24.00

No. 2553

Stag handle, 3⅝ inches; brass lining, nickel silver bolsters. Sabre and pen blades.

No.	Wt. per doz.	Per doz.
2553	2½ lbs.	$24.00

All the above, one-half dozen in a box.

No. 2481

Stag handle, 3¼ inches; brass lining, nickel silver bolsters. Electricians' and radio knife. Screw driver and wire scraper blades automatically lock when opened.

No.	Wt per doz.	Per doz.
2481	2 lbs.	$24.00

No. 2517

Stag handle, 4¼ inches; brass lining, nickel silver bolsters. Large spear point and pen blades.

No.	Wt. per doz.	Per doz.
2517	3¼ lbs	$24.00

No. 2538

Stag handle, 3⅝ inches; brass lining, nickel silver bolsters. Large spear point and pen blades.

No.	Wt. per doz.	Per doz.
2538	2½ lbs.	$24.00

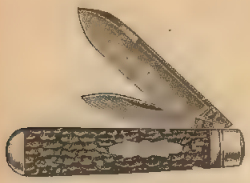
No. 2211

Stag handle, 3⅝ inches; brass lining, nickel silver bolsters. Clip and punch blades.

No.	Wt. per doz.	Per doz.
2211	2½ lbs	$20.80

POCKET KNIVES

HAMMER BRAND



No. 2228

Stag handle, 3¾ inches; brass lining, nickel silver bolsters. Spear point and pen blades.

No.	Wt. per doz.	Per doz.
2228	2½ lbs	$19.20

No. 2857

Red perlshell handle, 3½ inches; brass lining, nickel silver bolsters. Spear point and pen blades.

No.	Wt. per doz.	Per doz.
2857	2 lbs.	$19.20

No. 2109

Ebony handle, 3¾ inches; brass lining, nickel silver bolster. Sabre and pen blades.

No.	Wt. per doz.	Per doz.
2109	2½ lbs.	$19.20

No. 2354

Stag handle, 3¼ inches; brass lining, nickel silver bolsters. Clip and pen blades.

No.	Wt. per doz.	Per doz.
2354	1 lb.	$19.20

No. 2350

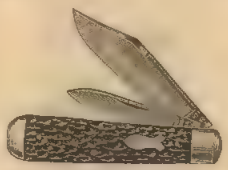
Green shell handle, 3¼ inches; brass lining, nickel silver bolsters. Clip and pen blades.

No.	Wt. per doz.	Per doz.
2350	1 lb.	$19.20

No. 2022

Stag handle, 3⅝ inches; brass lining, nickel silver bolsters. Spear and pen blades.

No.	Wt. per doz.	Per doz.
2022	1¼ lbs	$18.00



No. 2983

Stag handle, 3½ inches; brass lining, nickel silver bolsters. Clip and pen blades.

No.	Wt. per doz.	Per doz.
2983	2 lbs.	$18.00

No. 238

Tutshell handle, 3¼ inches; brass lining, nickel silver bolsters. Sabre clip and pen blades.

No.	Wt. per doz.	Per doz.
238	1¾ lbs.	$18.00

No. 2957

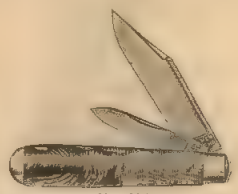
Stag handle, 3½ inches; brass lining, nickel silver bolsters. Spear and pen blades.

No.	Wt. per doz.	Per doz.
2957	2¼ lbs.	$18.00

No. 2981

Ebony handle, 3½ inches; brass lining, nickel silver bolsters. Clip and and pen blades.

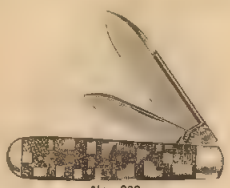
No.	Wt. per doz.	Per doz.
2981	2 lbs.	$18.00



No. 237

Green perlshell handle, 3¼ inches; brass lining, nickel silver bolsters. Clip and pen blades

No.	Wt. per doz.	Per doz.
237	1⅝ lbs.	$16.80



No. 239

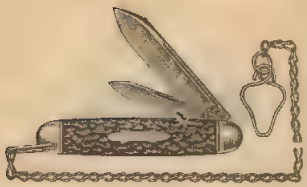
Norwayshell, 3¼ inches; brass lining, nickel silver bolsters. Spear and pen blades.

No.	Wt. per doz.	Per doz.
239	1⅝ lbs.	$16.80

All the above, one-half dozen in a box.

POCKET KNIVES

HAMMER BRAND



No. 2424

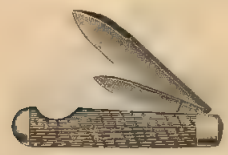
Stag handle, 3⅛-inches, with 20-inch chain, brass lining, nickel silver bolsters. Spear and pen blades.

No.	Wt. per doz.	Per doz.
2424	2 lbs.	$16.00

No. BS-2

Stag handle, 3½ inches; brass lining, nickel silver bolster and shackle. Large sheep foot and pen blades. Easy opener.

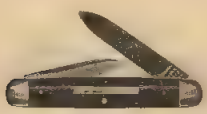
No.	Wt. per doz.	Per doz.
BS-2	2 lbs.	$16.80



No. 2365

Prizmashell. A combination color handle, 3 inches; brass lining, nickel silver bolsters. Spear and pen blades. Easy opener.

No.	Wt. per doz.	Per doz.
2365	1½ lbs.	$18.00



No. 2144

Redwood handle, 3½ inches; brass lining, nickel silver bolsters. Spear and pen blades.

No.	Wt. per doz.	Per doz.
2144	⅞ lb.	$16.80

No. 24

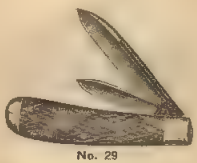
Stag handle, 2⅞ inches; brass lining, nickel silver bolsters. Spear and pen blades. Easy opener.

No.	Wt. per doz.	Per doz.
24	1 lb.	$16.00

No. 26

Stag handle, 2⅞ inches; brass lining, nickel silver bolsters. Clip and pen blades.

No.	Wt. per doz.	Per doz.
26	1¼ lbs.	$16.00



No. 29

Black pearlshell handle, 2⅞ inches; brass lining, nickel silver bolsters Spear and pen blades.

No.	Wt. per doz.	Per doz.
29	1 lb.	$16.00

No. 6030

Stag handle, 3½ inches; brass lining, nickel silver bolsters. Spear and pen blades. Easy opener.

No.	Wt. per doz.	Per doz.
6030	2 lbs.	$16.00

No. 231

Stag handle, 3⅝ inches, brass lining, nickel silver bolsters Spear and pen blades.

No.	Wt. per doz.	Per doz.
231	2¼ lbs	$16.00

No. 229

Ebony black wood handle, 3⅝ inches; brass lining, nickel silver shield and iron bolsters. Spear and pen blades.

No.	Wt. per doz.	Per doz.
229	2 lbs.	$16.00

No. 6142

Pearlshell handle, 3¼ inches; brass lining, nickel silver bolsters. Clip and pen blades.

No.	Wt. per doz.	Per doz.
6142	1⅛ lbs.	$16.00

No. 2523

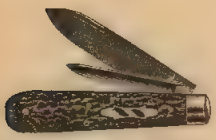
Redshell handle, 3¾ inches; brass lining, nickel silver bolsters. Spear and pen blades.

No.	Wt. per doz.	Per doz.
2523	1½ lbs.	$16.00

All the above, one-half dozen in a box.

POCKET KNIVES

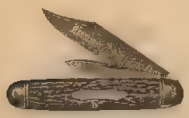
HAMMER BRAND



No. 6446

Stag handle, 3¼ inches; brass lining, steel bolster. Spear and punch blades.

No.	Wt. per doz.	Per doz.
6446	2 lbs.	$16.00



No. 6038

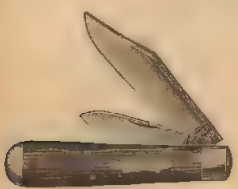
Stag handle, 3¼ inches; brass lining, nickel silver bolsters. Clip and pen blades.

No.	Wt. per doz.	Per doz.
6038	1½ lbs	$16.00

No. 6155

Amber shell handle, 3 inches; brass lining, nickel silver bolster. Spear and pen blades.

No.	Wt. per doz	Per doz.
6155	1⅜ lbs	$16.00



No. 2223

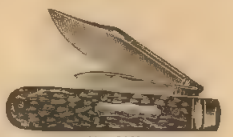
Redwood handle, 3¼ inches; brass lining, steel bolsters. Clip and pen blades.

No.	Wt. per doz.	Per doz.
2223	1¾ lbs	$12.60

No. 2225

Stag handle, 3¼ inches; brass lining, steel bolsters. Spear and pen blades

No.	Wt. per doz.	Per doz
2225	2 lbs.	$12.60



No. 2449

Stag handle, 3¼ inches; brass lining, steel bolster. Clip and pen blades.

No.	Wt. per doz.	Per doz.
2449	1¾ lbs.	$12.00

No. 2444

Stag handle, 3¼ inches; brass lining, steel bolster. Spear and pen blades.

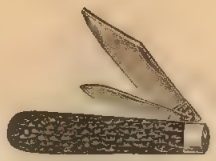
No.	Wt. per doz.	Per doz.
2444	1¾ lbs.	$12.00

No. 2644

Stag handle, 3¼ inches; steel lining, steel bolster. 21-inch nickel chain.

No.	Wt. per doz.	Per doz
2644	2¼ lbs.	$9.50

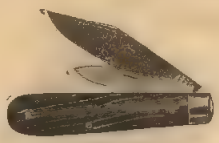
All the above, one-half dozen in a box.



No. 2643

Stag handle, 3 inches; steel lining and steel bolster. Two blades, one clip and one pen.

No.	Wt per doz.	Per doz.
2643	1½ lbs.	$8.40



No. 209

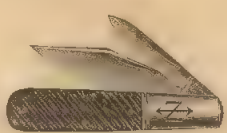
Redwood handle, 3½ inches; steel lining, steel bolster. Clip and pen blades.

No.	Wt per doz.	Per doz.
209	1¾ lbs.	$8.40

No. 226

Redwood handle, 3½ inches; steel lining, steel bolster. Spear point and pen blades.

No.	Wt per doz.	Per doz.
226	1¾ lbs.	$8.40



No. 2504

Black bone handle, 3½ inches, Barlow pattern; steel lined and bolster. Clip and pen blades.

No.	Wt. per doz	Per doz.
2504	2 lbs.	$8.40

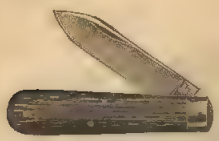
POCKET KNIVES

HAMMER BRAND

No. 1506

Black bone handle, 3½ inches. Barlow pattern; steel lining and bolster. One spear point blade.

No.	Wt. per doz.	Per doz.
1506	1¾ lbs.	$6.20



No. 1750

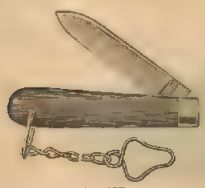
Redwood handle, 3½ inches; steel lining and bolster. One spear point blade

No.	Wt. per doz.	Per doz.
1750	1½ lbs	$6.20

No. 1101

Iron handle, 3¼ inches; steel lining and bolster. One spear point blade.

No.	Wt. per doz.	Per doz.
1101	1½ lbs.	$6.20



No. 127

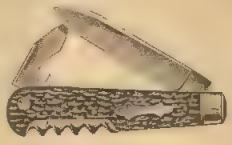
Redwood handle, 3 inches; steel lining and bolster. Nickel plated chain. One spear point blade

No.	Wt. per doz.	Per doz.
127	1¼ lbs	$6.20

No. 488

Stag handle, 3¼ inches; brass lining, nickel silver bolsters. Has two blades, corkscrew, bottle opener and screw driver

No.	Wt. per doz.	Per doz.
488	1½ lbs.	$48.00



No. 379

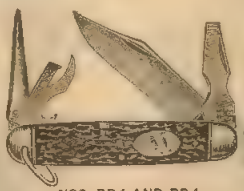
Stag handle, 3½ inches; brass lining, nickel silver bolster. One spear point blade, bottle cap opener and screw driver blade and cork screw on back.

No.	Wt. per doz.	Per doz.
379	1½ lbs.	$24.00

No. 4018

Stag handle, 4¾ inches; brass lining, nickel silver bolsters and ring in handle. Two blades, leather punch, can and bottle opener.

No.	Wt. per doz.	Per doz.
4018	4½ lbs.	$44.00



NOS BB-1 AND BB-4

Stag handle, 3⅜ inches; brass lining, nickel silver bolsters. One blade, screwdriver, leather punch, can and bottle opener. Ring in handle.

No.	Wt. per doz.	Per doz.
BB-1	2¾ lbs.	$28.80

No. BB-4

Junior size, 3¼ inches. Otherwise as No. BB1.

No.	Wt. per doz.	Per doz.
BB-4	2¼ lbs.	$27.20

All the above, one-half dozen in a box.

No. 4225

Stag handle, 3⅝ inches; brass lining, nickel silver bolsters. One blade, leather punch, can and bottle opener, screwdriver. Ring in handle.

No	Wt. per doz	Per doz
4225	2½ lbs.	$27.20

No. 40426

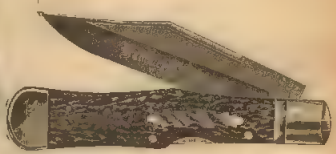
Genuine stag handle, 3½ inches; brass lining, nickel silver bolsters. Four blades, two sheep foot and two pen

No.	Wt. per doz	Per doz.
40426	1½ lbs.	$32.00

No. 1665

Stag handle, 4½ inches; brass lining, nickel silver bolster. 3½-inch clip blade. Lock back.

No.	Wt. per doz.	Per doz.
1665	2¼ lbs.	$24.00



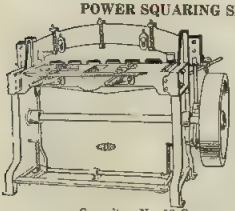
No. 187

Large stag shaped handle, 5½ inches; brass lining, nickel silver bolsters. 4½-inch dirk blade. Lock back. Hole in handle for ring.

No.	Wt. per doz.	Per doz.
187	5 lbs.	$48.00

PEXTO SHEET METAL WORKING TOOLS

POWER SQUARING SHEARS



These shears embrace all modern features and will prove most serviceable for light work. Highly commended for long wearing qualities. Substantially constructed for giving universal satisfaction up to their full rated capacity. They embody every modern improvement for a shears of this type.

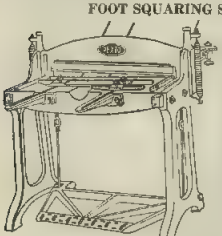
Capacity—No. 18 Gauge and Lighter

New No.	210A	211A	212A
Length cutting blades, in.	30	42	
Size fly wheel	24x4½	24x4½	24x4½
Weight fly wheel, lbs.	225	225	225
Speed fly wheel, R. P. M.	75	75	75
Horsepower required, maximum	1	1	1
Length long front arms, in.	25¼	25¼	25¼
Length rear gauge arms, in.	30	30	30
Width bed plate, in.	12½	12½	12½
Shipping weight approximately, lbs.	1185	1300	1400
Each	$		
Extra cutting blades, per pair			

New No.	213A	214A	215A
Length cutting blades, in.	52	62	72
Size fly wheel	24x4½	24x4½	24x4½
Weight fly wheel, lbs.	225	225	225
Speed fly wheel, R. P. M.	75	75	75
Horsepower required, maximum	1½	1½	2
Length long front arms, in.	25¼	25¼	25¼
Length rear gauge arms, in.	30	30	30
Width bed plate, in.	12½	12½	12½
Shipping weight approx., lbs.	1680	1740	2100
Each	$		
Extra cutting blades, per pair			

NOTE—Furnished complete with hold-down attachment, one pair long front arms and complete gauge equipment. No. 213A is fitted with a center leg. Cutting blades run about one inch over size blades.

FOOT SQUARING SHEARS



These new patterns are preferred over other shears owing to their extra wide bed plate and are so proportioned that they will cut up to the full rated capacity very much easier than any other similar shears of the same capacity. They are guaranteed to give very excellent service and Pexto high-grade quality materials combined with thorough workmanship make them the most desirable up-to-date, medium weight shears that the market offers.

Capacity—No. 18 Gauge Iron and Lighter

No.	122B	132B	137B	142B
Length cutting blades, in.	22	30	36	42
L'gth short front arms, in.	12½			
L'gth long front arms, in.		19	25¼	25¼
L'gth rear gauge arms, in.	24	30	30	30
Width bed plate, in.	12	14	14	14
Shipping wt. approx., lbs.	375	540	650	800
With side tables, each	$			
Without side tables, each				
Extra blades, per pair				

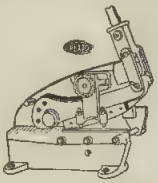
NOTE—No. 122B furnished with short front arms. Other numbers are furnished with long front arms. No. 137B and No. 142B have hold-down attachment. Comple'e gauge equipment furnished with all numbers. Side tables and wood shelf will not be sent unless specified.

SLITTING SHEARS

These shears are constructed on entirely original principles. They surpass all other shears in the variety of work performed. A splendid, practical shears for range manufacturers and for general use in car shops, automobile plants and other shops where a variety of straight and irregular cutting is being done. They often prove a desirable substitute where work is too large or not of a sufficient quality to warrant the use of costly dies.

Capacity—18 Gauge Iron and Lighter

New No.	248A
Length cutting blades, in.	6½
Depth cutting head to gauge, in.	9½
Depth cutting head to frame, in.	10
Size of table, in.	12x15½
Shipping weight approximately, lbs.	165
Each	$
Extra cutter, per pair	



These shears are commended for the slitting of sheets, length or crosswise, with ease up to their full rated capacity. They are patterned so as to allow sheets to pass freely, and proportioned so as to obtain the greatest strength and durability. They are furnished with or without rod cutting attachment.

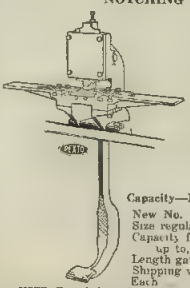
It must be remembered that the service a lever shears will give depends greatly on the care exercised in keeping up the adjustments provided for the blades and in keeping the blades sharp.

Capacity—No. 10 Gauge Iron and Lighter

Will cut Bar Iron ¼x1½ in.
No. R0296 will cut Rods up to ½ inch diameter.

No.	Plain 0296	With Rod Cutter R0296
Length cutting blades, in.	10	10
Length gauge rod, in.	14½	14½
Weight, lbs.	185	190
Each	$60.00	70.00
Extra blades, per pair		

NOTCHING MACHINE



An exceedingly well constructed, pendulum lever notching machine intended for notching blanks of pieced sheet metal ware, for cutting the corners of square pans and hinge notches of boxes and similar work. Dies are made in sections, so that they may be easily sharpened and reset. Dies and punch are made from Jessop Tool Steel, scientifically hardened and tempered. A most convenient notching machine of high grade quality for bench use.

Capacity—No. 20 Gauge Iron and Lighter

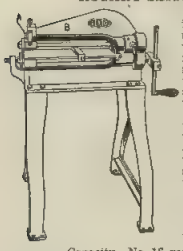
New No.	737A
Size regular dies, in.	1x2
Capacity for receiving special dies up to, in.	2x2
Length gauge supporting arms, in.	13½
Shipping weight, lbs.	175
Each	$70 00

NOTE—Furnished complete with one set regular dies and full equipment of supporting gauge arms and gauges. Special dies quoted on application.

Prices Quoted on Application

PEXTO SHEET METAL WORKING TOOLS

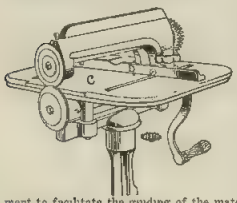
ROTARY SLITTING SHEARS



Permits means for slitting iron used in cornice, furnace, blow-pipe, ventilation work, etc. They may be utilized for conveniently cutting large irregular curves and circles when following a scribed line in a fraction of the time it takes to do the work with snips or bench shears. The cutters are made from a special high-grade tool steel, properly hardened and tempered and have two cutting edges, making them reversible. The crank is adjustable to different leverages, bearings (A) are adjustable to take up wear of the cutters and the cutting head (B) is of compact construction and is mounted on heavy, cast iron legs.

Capacity—No. 16 gauge iron and lighter

No.	255 A
Diameter cutters, in.	3-8
Depth cutting head to gauge, in.	18
Depth cutting head to frame, in.	19
Size table, in.	20x8
Shipping weight approximately, lbs.	325
Each	$
Extra cutters, per pair	

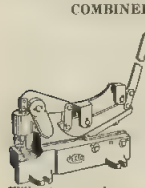


These Shears are intended for bench use and are well suited for slitting brass, copper, silver, aluminum and sheet iron. The machine is compact, nicely proportioned and will give the best of good service. Adjustments for taking up the wear of cutters are provided. The table (C) is wide and accurately planed. The gauge (D) is provided with an attachment to facilitate the guiding of the material while cutting, for insuring very accurate slitting.

Capacity—No. 20 gauge iron and lighter.

No.	250A Hand
Diameter cutters, in.	3
Depth cutting head to gauge, in.	9
Depth cutting head to frame, in.	10¼
Narrowest strip that can be cut, in.	1/8
Shipping weight approximately, lbs.	100
Each	$
Extra cutters, per pair	

COMBINED SHEAR AND PUNCH

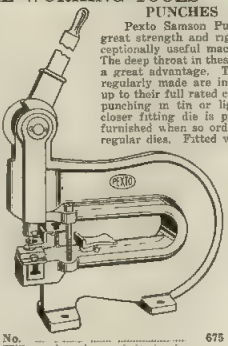


High-grade quality with an extremely wide range of punching and cutting usefulness possessing a combination of features that make them highly adaptable for general use.

Furnished with one combination die and five punches, viz.: 1/8, 5/32, 3/16, 7/32 and 9/32 in.

No	679
Will punch iron, in.	5/16
Depth punching gap, in.	2¾
Will center sheets, in.	5½ wide
Length cut, in.	4¼
Will cut iron, in.	1/8 thick 1/4 and 1/4
Will cut narrow bars, in.	
Weight, lbs.	120
Each	$
Extra punches, each	
Extra dies, each	

PUNCHES



Pexto Samson Punches are designed for great strength and rigidity, making them exceptionally useful machines for general work. The deep throat in these machines will be found a great advantage. The dies and punches as regularly made are intended for use on stock up to their full rated capacity, but where clean punching in tin or light metal is desired, a closer fitting die is preferable, which can be furnished when so ordered at the price of the regular dies. Fitted with adjustable gauge.

No. 675 furnished with three dies and punches, viz.: 1/8, 5/32 and 1/4. No. 676 furnished with three sets of dies, viz.: 3/16, 7/32 and 9/32.

No.	675	676
Will punch with stay bolts in place iron, gauge	9	1/4, 5/32, 3/16 in. hole in 3/8 in. iron
Will punch with stay bolts removed iron, gauge	12	1/4 in. hole in 1/4 in. iron; 5/32 and 3/16 in holes in 5/16 in. iron
Depth throat to frame, in.	15	15
Depth throat to gauge, in.	14½	14½
Will center sheets with stay bolts in place width, in.	7	7
Will center sheets with stay bolts removed width, in.	30	30
Shipping weight approx., lbs.	140	250
Each	$	

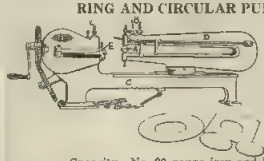
Extra Attachments

For No.	675	676
Extra punches, 1/8, 5/32, 1/4 in., each	$	
Extra punches, 3/16, 7/32, 9/32 in., each		
Extra dies, 1/8, 5/32, 1/4 in., each		
Extra dies, 3/16, 7/32, 9/32 in., each		
Extra strippers		

Special Punches for No. 676

With Stay Bolts	Without Stay Bolts	Punch	Die
1/2 in punch for 1/4 in. iron	5/16 in. iron, each	$	
9/16 in. punch for 5/16 in. iron	1/8 in. iron, each		
1 in. punch for 1/8 in. iron	No. 16 gauge iron, each		
1 1/4 in. punch for 1/4 in. iron	No. 16 gauge iron, each		

RING AND CIRCULAR PUNCH



Intended for cutting circles or internal rings and irregular curves.

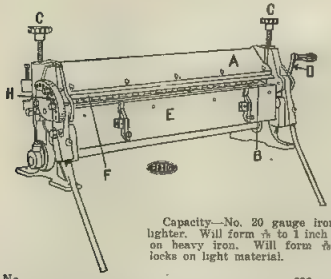
Capacity—No. 20 gauge iron and lighter.

No.	0298	0299
Diameter cutters, in.	1⅝	1⅝
Diameter clamping discs, in.	2¼	2¼
Depth cutting head to gauge, in.	9½	9½
Depth cutting head to frame, in.	10	10
Depth circle arms, in.	16½	30½
Will circle from square blanks, in.	3¼ to 22	3¼ to 42½
Will cut rings small as (inside diam.), in.	3¼	3¼
Will cut rings large as (outside diam.), in.	22	42½
Shipping weight approximately, lbs	195	290
Each	$	
Extra cutters, per pair		

Prices Quoted on Application

PEXTO SHEET METAL WORKING TOOLS

BENCH FOLDER AND BRAKE



Capacity—No. 20 gauge iron and lighter. Will form ⅜ to 1 inch locks on heavy iron. Will form ⅛ inch locks on light material.

No.	696	697
Length, in.	36	42
Shipping weight approximately, lbs.	430	500
Each	$	

NOTE—Furnished regularly with folding blade for sharp or closed locks and adjustable front and rear gauges. Extra blades for forming open or wire locks can be furnished at an extra cost.

General Description

With these new bench combination folder and brake patterns a variety of folding operations are possible. Like the regular floor brake, the jaws allow for the forming of any size of angle, the sheet remaining stationary while the folding takes place. It will form edges for lock seams with a neety. Fitted with adjustable gauges, the scribing of sheets before each bend is not necessary.

The clamping bar (A) can be adjusted for great clearance above the bed (B) from 1 to 3 inches. This is effected by turning knobs (C). By turning the crank (D) the bed (B) is lowered 1 inch. The sheet placed between the jaws to be edged or folded is securely clamped with a turn of crank (D). The folding bar (E) is of solid steel and so proportioned that its upper edge is only ⅜ inch wide for permitting the forming of very narrow locks and angles. It is adjustable up and down for forming open locks for wiring with not more than ½ inch radius, but a special folding blade to substitute for the blade (F), as fitted regularly, for sharp locks, is recommended in order to secure the best results. Folding blade (F) can be readily removed to allow substituting others of different shapes.

A rear gauge, adjustable from ¼ to 10 inches, is provided and can be easily removed when not needed.

A front gauge, that is adjustable ¼ to ¾ inch, is also provided. This gauge is attached to folding bar (E).

Pins (H) can be adjusted for stopping the folding bar (E) to form different angles.

Sharp or closed locks for lock seams can be formed ⅛ to 1 inch on heavy stock, and as small as ⅛ inch on light material. With the proper special rounded blades, a wide range of wire locks can be formed.

A combination folder that will never stand idle in the active shop.

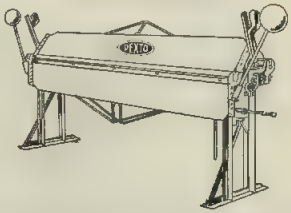
SHEET IRON FOLDER

An indispensable folder having adjustable gauge. All parts are machined and is smoothly finished. A highly serviceable folder.

No.	10A	18
Capacity gauge iron and lighter	22	24
Length, in.	31	42
Will form locks, in.	¼ to ½	¾ to ½
Weight, lbs.	85	107
Each	$	

Shipped Boxed Regularly

STEEL CORNICE BRAKES



These Brakes are of pressed steel construction, and owing to their light weight are handy to move around for outside construction work. These are the most inexpensive brakes that the market offers.

Capacity—No. 18 Gauge Iron and Lighter

No.	1000	1001	1002	1003
Length, in.	61	73	97	121
Shipping wt. approximately, lbs.	750	800	1000	1200
Each	$			

NOTE—Furnished with one forcing bar and five formers for making circular and semi-circular bends.

Capacity—No. 16 Gauge Iron and Lighter

No.	1004	1005	1006	1007	1008
Length, in	36½	48½	73	97	121
Shipping wt. approx., lbs.	400	500	1200	1500	2500
Each	$				

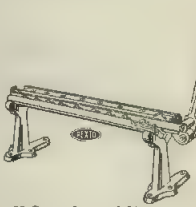
NOTE—Furnished with one forcing bar and five formers for making circular and semi-circular bends.

Capacity—No. 14 Gauge Iron and Lighter

No.	1009	1010	1011	1012
Length, in.	36½	48½	97	121
Shipping wt. approx., lbs.	660	800	2000	3000
Each	$			

NOTE—Furnished with one forcing bar and five formers for making circular and semi-circular bends.

PIPE FOLDING MACHINES



For folding the edges for the side seams of round pipe, after being formed, as well as for folding the edges of straight sheets. Their improvements over the Wright's Patent Sheet Iron Folders consist of an adjustable gauge. Variations in the hardness of the material will have no effect upon the uniformity of the lock.

Capacity—No. 22 Gauge Iron and Lighter

No.	11A	13
Length, in.	32	42
Will form locks, in.	⅛ to ⅜	¼ to ½
Shipping weight approximately, lbs.	100	195
Each	$	

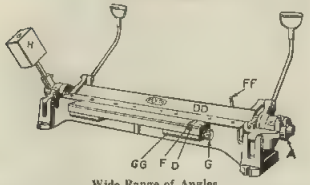
Shipped Boxed Regularly

NOTE—No. 13 folders have a handle at each end, one of which can be removed when not required.

Prices Quoted on Application

PEXTO SHEET METAL WORKING TOOLS

BAR FOLDING MACHINES



Wide Range of Angles

Capacity—$\frac{1}{8}$ locks on No. 20 gauge iron and lighter.
Capacity—$\frac{1}{16}$ locks on No. 22 gauge iron and lighter.

Intended for folding or edging strips or sheets of sheet iron, soft steel, brass and copper. They are adapted for forming the edges of sheet metal at various angles to form locks, square joints and to turn round edges for inserting wire.

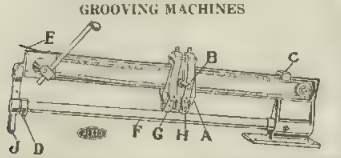
Gauge (GG) is adjustable and regulates the width of fold by turning gauge screw knob (G) at right end of machine. The indicator (F) points to graduations in fractions of inches on brass plate (D) for showing how the gauge is set. If the gauge becomes worn or filed, the plate (D) can be so shifted for always keeping the graduations in accurate line with movement of the gauge. Separate teeth are screwed to the edge of the gauge. These gauge teeth pieces becoming worn can be easily replaced, saving the expense of a complete new gauge each time it becomes worn out. A new folder and another Pexto innovation.

Adjustable stop (A) is provided to permit the forming of any desired angle, in addition to regular square and bevel stops.

No.	055	058
Length, in.	37	42
Will form closed and open locks, in.	$\frac{1}{8}$ to 1	$\frac{1}{8}$ to 1¼
Shipping weight approximately, lbs.	365	415
Each	$	

NOTE—Furnished regularly with Counter Balance (H).

GROOVING MACHINES



The Pexto Machine of this kind for grooving the longitudinal seams of stovepipe and other sheet metal cylinders. The traveling carriage (A) is quickly and easily returned to the starting point by means of handle (B). Adjustable stop (D) on upper bar engages the traveling carriage at any desired point to suit length of work. Adjustable stop (D) on lower bar prevents work from slipping while being grooved. Spring (E) holds latch (J) out of the operator's way when work is removed and in setting the machine.

Lower bar (C) is reversible, so that either the flat surface or face of the groove which is placed into the horn can be turned upward in setting up for the starting of seams or the rear of the outside of the work. The seam is put on the inside of work by means of the roll which presses the seam into one of the grooves thereof at the horn. Outside grooving done in the usual manner by using the grooves and flat surface of horn. The traveling carriage (A) has two rolls, one for grooving (G) and one for flattening (H) the seam at the same operation.

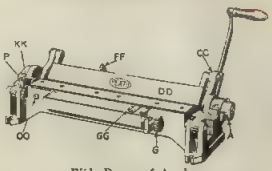
Capacity—No. 24 gauge iron and lighter

No.	518 A
Will groove work length, in.	30
Diameter of smallest pipe that can be grooved, in.	2
Shipping weight approximately, lbs.	200
Each	$

Shipped Boxed Regularly.

NOTE Rolls are furnished, one each with ¼, ⅜ and ⅝ in. grooves and one flattening roll.

BAR FOLDING MACHINE



Wide Range of Angles

Capacity—$\frac{1}{8}$ in locks on No. 22 gauge iron and lighter.
Capacity—$\frac{1}{16}$ in. locks on No. 24 gauge iron and lighter.
Capacity—$\frac{1}{32}$ in. locks on No. XX tin.

The tough mixture of good iron and accurate designing evidenced only in the Pexto line of folding machines makes up for proper proportionment of the folding bar, eliminating cumbersome weight, and where speed and great durability are essential, especially in tinware and other light manufacturing, these patterns will prove superior over any other makes.

Open or round locks for wiring are made by raising the folding bar (CC) at right angle. The wing (DD) is then adjusted for the size of wire to be used through the setting of wedge (FF) that moves to left and right on folding bar. An improvement, consisting of a pin in the frame, prevents the dropping of the wing below the gripping jaw, the wing (DD) dropping in a proper position automatically in the process of folding, producing accurate and uniform round locks. This improved adjustment permits for more rapid execution, the blanks sliding more easily between the gripping jaw without obstruction.

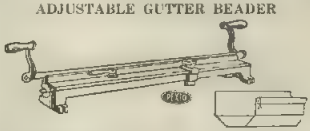
Gauge (GG) is adjustable, and regulates the width of fold by turning gauge wheel (G). The width to which the gauge is adjusted is indicated on graduated dial on gauge wheel and after set is firmly secured through lock screw (OO).

Adjustable stop (A) is provided to permit the forming of any desired angle, in addition to regular square and bevel stops (KK PP)

A gripping jaw clamps the material securely while the bending takes place, guaranteeing the forming of square joints or angles, narrow or wide locks of uniform width the entire length.

No.	62 B	63 B
Length, in.	20	30
Will form closed and open locks, in.	⅛ to 1	⅛ to 1
Will form open locks to receive a wire up to, in	¼	¼
Shipping weight approximately, lbs.	102	185
Each	$	

ADJUSTABLE GUTTER BEADER



Gutter Beaders are intended for forming a bead on the edges of gutters. This machine is so constructed that it can be easily adjusted to be used with rods from ⅜ to ⅝ in. in diameter. The thickness of the metal is determined by the size of the rod. It has a gauge or stop on the left-hand end, so that after adjusting the jaws and setting the gauge for the size of the rod to be used, the jaws can be easily opened to remove the work and rod, and then closed in exactly the same position as when the bead was formed, so that the operator can form any number of beads of exactly the same size. The jaws are adjusted by a hand wheel with rack and pinion, which adjusts both ends of the movable jaw.

No.	700
Length, in.	31
Shipping weight approximately, lbs.	75
Price complete with one rod ⅜ to ⅝ in. in diameter as may be ordered	

NOTE—Where specifications do not accompany orders, ½-in. rod will be sent.

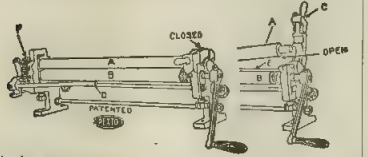
Prices Quoted on Application, Shipped Direct from Factory.

PEXTO SHEET METAL WORKING TOOLS

FORMING MACHINES

SLIP ROLL

They are greatly improved over old slip roll pattern forming machines and those which the present market offers. A careful study of the illustration shows the time and steps saved through being able to perform all operations at one end of the machine, the convement end where the crank is fitted. Without necessitating the changing of positions the sheet to be formed is placed between the gripping rolls (A) and (B). The cylinder formed, open latch (C), then by means of lever (D) raise upper gripping rol. (A) and slip the formed cylinder from the roll (A). It will be readily seen that all operations are performed at the crank end of the machine—a Pexto innovation that can be well appreciated by the mechanic who has operated the old pattern slip roll former. Rolls (B) and (E) are adjustable with knurled screws, and once adjusted they cannot slip. The gears (F) are steel, machine cut, running more smoothly than cast iron gears without danger of slipping or breaking with whatever thickness of metal is used.



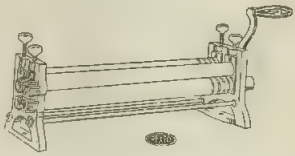
Number	382 A	381 A	6381 A	390 A	400 A
Length rolls, in	31	37	43	31	31
Diameter rolls, in	2	2	2	2½	2½
Gripping rolls open, in.	½	½	½	½	½
Shipping weight, app lbs.	165	180	200	350	300
Each	$				

Note In these formers gripping rolls (A) and (B) have an extreme clearance of ½ inch. Groves cut in rolls are intended to allow work with a wire to be formed. Tight pulley, or tight and loose pulleys and iron floor legs can be fitted when so ordered. No. 390A and 400A are back geared and have rolls 2½ inches in diameter with a ratio of gearing 2 to 1.

FORMING MACHINES

WITH MACHINE CUT STEEL COMPENSATING GEARS

These formers have solid housings and are fitted with machine cut steel compensating gears. Gears to run smoothly should mesh constantly to a certain depth and the shape of the teeth should be accomodated to such depth. In these formers the gears on the gripping rolls do not mesh with each other, but with two gears so hung that when the gripping rolls are moved the mesh of the gearing is unchanged. This insures uniformity of action and durability for the gears, they running more smoothly than cast iron cogs, without danger of slipping or breaking with whatever thickness of metal is used.



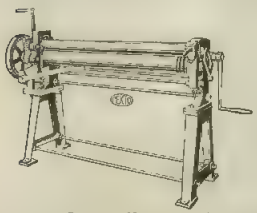
Number	0372	372	373	380
Length rolls, in	43	37	31	20½
Diameter rolls, in	2	2	2	1¼
Shipping weight approximately, lbs.	185	165	140	60
Each	$			

Shipped Boxed Regularly.

Note—Grooves cut in rolls are intended to allow work with a wire to be formed. Wire should only be formed between the grooves cut for that purpose.

FORMING MACHINES

HEAVY FORMING MACHINES, BACK GEARED SLIP ROLL PATTERN



These forms are constructed for heavy duty, having finely finished rolls made from a special piston rod hard steel, with large driving gear cut from solid cast iron, and steel machine cut connecting gears. When furnished for hand power, heavy cranks are fitted on both ends. Adjustment of clamping and rear forming roll is secured through screws. Grooves are cut in rolls for receiving wired sheets. Rolls are of the slip type, permitting the work to be removed readily from roll after being formed.

Longer rolls will be quoted on receipt of full particulars. When making inquiries state gauge iron to be used and diameters of cylinders to be formed

Capacity—No. 14 gauge iron and lighter.

Number	415 A	416 A	417 A	418 A
Length rolls, in.	31½	37½	43½	49½
Diameter rolls, in.	3	3	3	3
Ratio gearing	3 to 1	3 to 1	3 to 1	3 to 1
Size pulley, in.	18x4	18x4	18x4	18x4
Speed pulley, R. P. M.	60	60	60	60
Shipping weight approx., lbs.	480	540	600	600
Each for hand	$			
Each with tight pulley for power	$			
Each with tight and loose pulleys for power	$			
Each for iron floor legs	$			

Shipped crated regularly.

Note—Furnished regularly for hand, less legs. Pulleys and legs are not fitted unless specified. When ordering for power, mention whether tight and loose pulleys are required,

Capacity—No. 12 gauge iron and lighter

Number	424 A	425 A	426 A	427 A
Length rolls, in	37	43	49	55
Diameter rolls, in.	4	4	4	4
Ratio gearing	5 to 1	5 to 1	5 to 1	5 to 1
Size pulley, in.	18x4	18x4	18x4	18x4
Speed pulley, R. P. M.	75	75	75	75
Shipping weight approx., lbs.	780	865	960	1030
Each for hand	$			
Each with tight pulley for power	$			
Each with tight and loose pulleys for power	$			
Each for iron floor legs	$			

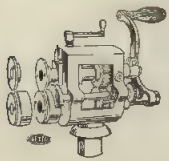
Shipped crated regularly.

Note—Furnished regularly for hand, with legs. Pulleys are not fitted unless specified. When ordering for power, mention whether tight or tight and loose pulleys are required

Prices on Application. Shipped direct from Factory.

PEXTO SHEET METAL WORKING TOOLS

TURNING MACHINES



A highly serviceable turning machine, with solid, open frame of the highest grade of excellence. The tinsmith or sheet metal worker will find in these patterns every modern improvement combined with the highest quality materials.

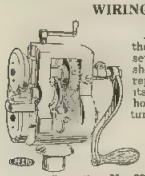
Capacity—No. 22 gauge iron and lighter.

	Extra Small	Extra Small	Small	Small	Large	Large
Number	540	540½	541	541¼	542	542¼
Diameter rolls, in.	1½	1½	2⅛	2⅛	3	3
Smallest wire that can be used, gauge	10	10	10	10	8	8
Largest wire that can be used, gauge	7	7	7	7	4	4
Shipping weight, approximately lbs.	22	11	25	14	31	20
Each with one extra pair of thick turning rolls and standard	$					
Each with on extra pair of thick turning rolls without standard	$					

Packed One in a Box.

Numbers with the ½ affixed indicate all the same machine, but are furnished without standard, Regular offset standard No. 975 is furnished.

WIRING MACHINES



A wiring machine with solid frame that for a good many years through severe tests in the hands of practical sheet metal workers has won for it a reputation placing it in a class by itself. It may be depended upon to hold its own, whether the job to be turned out is large or small.

"A" Forming Roll Gauge not furnished unless specified.

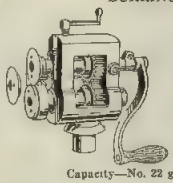
Capacity—No. 22 gauge iron and lighter.

	525A	525½A
Number		
Diameter of rolls, in.	3	3
Will receive wire up to, gauge	0	0
Shipping weight, approximately, lbs.	31	20
Each with standard	$	
Each without standard		

Packed One in a Box.

No. 525½ is the same as No. 525, but is furnished without standard. Regular offset wiring standard No. 976 is furnished.

BURRING MACHINES



Burring machines in open pattern, with solid frame of improved design, well known for their splendid wearing qualities, accuracy and ease of operation. The rolls are forged from special high-grade steel, giving extreme wearing qualities to the fine edge in the rolls necessary to produce a satisfactory uniform flange on a number of blanks

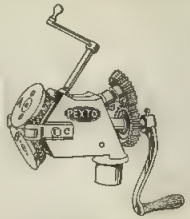
Capacity—No. 22 gauge iron and lighter.

	Small	Small	Large	Large
Number	576A	576½A	577A	577½A
Diameter rolls, in	1½	1½	2⅛	2⅛
Widest flange or burr that can be turned, in.	⅜	⅜	¼	¼
Shipping weight, approx. lbs.	21	10	25	14
Each with one extra upper roll and standard	$			
Each with one extra upper roll without standard	$			

Packed One in a Box.

Numbers with the ½ affixed indicate all the same machines, but are furnished without standards. Regular offset standard No. 975 is furnished

SETTING DOWN MACHINES



The improvements in Pexto pattern setting down machines adapt them for setting down the seams on differently shaped vessels to better advantage than any other design. The inclined position of both upper and lower faces (A) and (B) allows work to be held up or down the seams to be started inward while setting down, thereby facilitating the operation of double seaming. Adjustable gauges with idler rollers (C) are fitted.

Capacity No 24 gauge iron and lighter

	561D
Number	
Capacity gauge iron and lighter, No	24
For seams up to, in.	¾
Shipping weight, approximately lbs.	50
Each with standard	$
Each without standard	$

Note—Regular offset standard No. 975 is furnished.

MACHINE STANDARDS

Regular Offset No. 975

Wiring Offset No. 976

Extra Heavy Standards Nos. 977 - 978

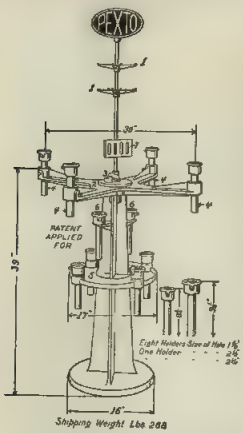
	975	976	977	978
Number				
Size hole, in.	1	1⅝	2¼	2½
Height over all from bench, in.	9½	9⅝	10¼	9⅝
Shipping weight, lbs.	10	11	28	24
Each	$			

Note—In making machine standard substitutions, deduct full price of standard as regularly furnished with the machine and add full price of standard required. When ordering standard separate from machines mention diameter stem, if same does not correspond to hole dimensions given

Prices Quoted on Application.

PEXTO SHEET METAL WORKING TOOLS

REVOLVING MACHINE STANDARD



A place for everything and everything in its place. Revolving turret holds 4 machines. Hand lever for holding turret in a fixed stationary position, adjustable machine holder, lower stationary turret holding 4 additional machines, 2 additional reserve machine posts out of the way. Ten posts in all go with each standard.

Each

No. 969—39 in. high, 16 in. diameter base, 30 in. across top, eight holders, size 1⅝ in., one size 2½ in. and one size 2¾ in., weight each 268 lbs. $

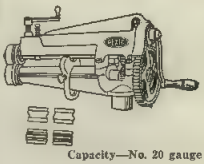
A revolving turret holding four machines. Four operations can be completed without changing positions. Four machines always ready for action and to be found in good condition when their use is required. Designed with ample room for accommodating from one to four operators

Lower stationary turret for holding four additional machines arranged for quickly interchanging with any machine set in upper revolving turret. This lower turret also provides for a handy shelf holding oil can, tools, etc., which are used in connection with equipment mounted.

Two additional reserve machine posts, out of the way, supported on brackets to hold any large bench machine that will not fit in holders provided for the smaller machines.

Ten posts in all go with each standard.

BEADING MACHINES

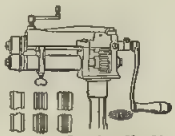


Reinforced caps and frames giving maximum strength, solid cast iron cut driving gears, machine cut steel connecting gears.

Capacity—No. 20 gauge iron and lighter.

Number		617 B	619 B
Depth throat to frame	inches	13	7½
Depth throat to gauge	inches	12	6¾
Distance between shaft centers	inches	2⅝	2¼
Diameter rolls	inches	2¾	2⅜
Width rolls	inches	1⅞	1⅝
Ratio of gearing		8½ to 1	2½ to 1
Size single bead in rolls	inches	⅜	⅛
Size ogee bead in rolls	inches	1	⅞
Size triple bead in rolls	inches	1	⅞
Shipping weight	approximately lbs.	140	85
Each with three pairs of regular rolls and improved bench standard		$	

Note—Standard No. 978 is furnished regularly.



Reinforced cap and frame, cut solid steel connecting gears

Furnished with four pairs rolls; one pair each ogee ⅝ inch, triple ⅝ in., single bead ⅛ in., and single ⅛ in. Improved standard is furnished.

Capacity—No. 24 gauge iron and lighter

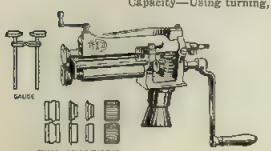
Number	620
Depth throat to gauge, in.	5½
Diameter of rolls, in.	1⅛
Width of rolls, in.	1⅛
Weight, approximately, lbs.	50
Each with standard	$

Shipped Boxed Regularly.

ALLINWON ROTARY MACHINE

Five Operations With One Machine

Capacity—Using crimping or beading rolls No. 26 gauge iron and lighter.
Capacity—Using turning, wiring or burring rolls No. 24 gauge iron and lighter.



Number	622
Depth throat to frame, in.	6⅛
Depth throat to gauge, in.	5½
Width crimping rolls, in.	1⅛
Width beading rolls, in.	1⅛
Diameter turning and wiring rolls, in.	1⅝
Smallest wire that can be used with turning rolls, gauge	11
Wiring rolls will receive wire up to, gauge	5
Widest flange or burr that can be turned with burring rolls, in.	⅜
Distance between shaft centers, in.	1⅞
Shipping weight, approximately, lbs.	60
Each	$

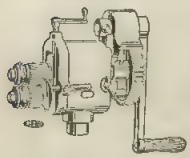
NOTE—Furnished complete with standard and five pairs of rolls, viz: crimping, beading, turning, wiring, and burring and one extra gauge. Extra special rolls quoted on receipt of specifications. Provided with forward and reverse drive.

One in a Box.

Prices Quoted on Application

PEXTO SHEET METAL WORKING TOOLS

CRIMPING AND BEADING MACHINES



For producing a neat, uniform crimp and bead or crimp without bead these machines recently made from new patterns will be found superior to any other make for general pipe-crimping or beading They have been designed with a view to giving maximum strength and rigidity and can be depended upon for producing snug-fitting pipe joints that hold when put together. A very practical feature is offered in the arrangement of the driving gears. Two speeds are provided for; back geared for heavy stock and direct drive when lighter gauges of materials are used. The driving gears can be removed and the machine converted instantly into a direct acting crimper by attaching the crank to lower shaft. Connecting gears are of machine cut steel, the frame and cap machined to insure perfect fit of all working parts for accurate and uniform work. Rolls are made of a high-grade steel, scientifically hardened, and the gauge is of extra wire proportions made from tool steel properly hardened. Adjustments are provided for regulating the relative depth of crimp and bead The adjustment will be found in a wedge between the rear bearings. This wedge is adjusted by wing nuts in front and back of frame near handle end. The upper shaft can be tipped toward front or back, as desired, thus making a deep crimp and shallow bead, or shallow crimp and deep bead. With the combined crimping and beading machines, blank collars are furnished and may be substituted in place of beading rolls, where crimping alone is desired.

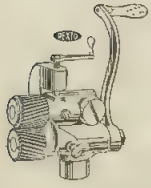
Capacity—No. 20 Gauge iron and lighter.

No.	585 A	0585 A
Diameter beading rolls, in.	1 1/2	1 1/8
Diameter crimping rolls, in.	1 1/2	1 1/8
Width crimp rolls, in.	1 3/8	1 1/8
Width bead rolls, in	1	1
Size ogee bead, in.	1/4	1/4
Ratio gearing	3 to 1	3 to 1
Weight, lbs	65	66
Each, with standard	$	

Note—A naught (0) before number indicates that straight crimping rolls are furnished. Spiral crimping rolls are fitted on machines where naught (0) is omitted. Furnished with No 976 standard

Shipped Boxed Regularly.

STOVE PIPE CRIMPERS



Intended for light work, but are built strongly and run very smoothly. Are intended for crimping only.

Capacity—No. 26 Gauge Iron and Lighter.

Number	589	0589
Shipping weight approximately, lbs.	24	24
Price with standard	$	

Shipped Boxed Regularly

Note—No. 589 has spiral crimping rolls; No. 0589 has straight crimping rolls.

Prices Quoted on Application.

ROOFING DOUBLE SEAMERS

These roofing double seamers for standing lock will do the work more evenly than by any other process and leave the formed lock of uniform height. They will work well over uneven roof boarding and will double seam hips and ridges with perfect ease.

The first pair of common-gauge seamers finish 1 in. seam single lock, and is numbered 7 on the outside bar and 8 on the center bar

The second pair of common-gauge seamers finishes ¾ in. seam, double lock, and is numbered 9 on the center bar and 10 on the outside bar

The first pair of wide gauge seamers, finishes seam 1¼ in., single lock, and is numbered 5 on the outside bar and 8 on the center bar

The second pair wide-gauge seamers finishes seam 1 in, double lock, and is numbered 4 on the center bar and 6 on the outside bar.

Number	742	742½	0742
Weight per set of two pairs, lbs.	40	40	40
Per set of two pairs	$		

Note—Nos. 742 and 742½ are fitted for I. C. tin No. 0742 is fitted for iron roofing not heavier than 28 gauge for single or double seam. Common gauge seamers No. 742 follow 1 and 1⅛ inch tongs, finishing a lock ⅞ inch high. Wide gauge seamers No. 742½ follow 1¼ and 1½ inch tongs, finishing a lock 1 inch high. Iron roofing double seamers No. 0742 are made in wide gauge only and follow 1½ and 1¾ inch tongs, finishing a double seam 1 inch high. Specify by number Where seamers are ordered in half sets, be sure to specify whether the first or second set of seamers are desired.

Open Stock.

WOOD ROOFING FOLDERS

Nos. 13C, 23C, 33C

Nos. 113 Imp., 123 Imp.

Well-seasoned wood with blades fitted of a high grade special steel, accurately machined

Number	13 C	23 C	33 C	113 Imp.	123 Imp.
Length, in.	20	28	30	20	30
W. I form locks size, in	1/8	1/8	1/8	1/8 to 3/8	1/8 to 3/8
Weight, lbs.	9	11	14	10	17
Each	$				

Note—C after number signifies common type and fitted for one size lock only. Imp. after number signifies improved pattern with adjustable gauge.

Open Stock.

ROOFING DOUBLE SEAMERS

Number	743	744	745	746
Sizes, in.	1/2 x 1/4	3/4 x1	1x1 1/4	1 1/4 x1 1/16
Match up with roofing tongs, in	3/4x1	1x1 1/4	1 1/4 x1 1/2	1 1/16 x1 1/4
Weight per set, lbs.	14	16	19	22
Per set two pairs	$			

Open Stock.

Prices Quoted on Application.

PEXTO SHEET METAL WORKING TOOLS

ROOFING TONGS

REGULAR

Japanned, malleable iron handle with steel clamps.

Number	770½	770¾	771	771¼	771½	771¾	772
Will turn one size lock, inches	½	¾	1	1¼	1½	1¾	2
Length handles, inches	21	21	21	21	21	21	21
Width blade, in.	1½	1½	1½	1¾	2	2⅛	2½
Length blades, in	18½	18½	18½	18½	18½	18½	18½
Weight, lbs	8	8	8	9	9½	10	10½
Per pair	$						

Open Stock

STOW'S PATTERN

Japanned malleable iron handles, steel clamps, these clamps are adjustable, a single pair will turn five different widths of seams, they are not therefore sold in sets.

Per Pair

No. 773—Turns ½, ¾, 1, 1¼, and 1½ in. wide locks, 21 in. long handles, 2 in. wide blades, 18½ in. long blades, weight per pair 9½ lbs. ..... $

Open Stock.

ADJUSTABLE GAUGE

Japanned malleable iron handles, steel clamps, adjustable gauge, will turn any size edge from ¾ to 3 inches by adjusting thumb screw and sliding gauge to the desired width.

Each

No. 774—Turns any size lock from ¾ to 3 in., 21 in. long handles, 1½ in. wide blade, 18½ in. long, weight each 9½ lbs. ..... $

Open Stock.

GUTTER TONGS

Steel blades, forged handles.

Each

No. 777 -14 in. deep jaws 24½ in. long handles, 1⅜ in. wide blades, 12½ in. long blades, weight each 10 lbs. $.

Open Stock.
Prices Quoted on Application

CLAMP TONGS

Japanned malleable iron, with steel clamps, used on roofs for drawing together the layers of tin before cleating it.

Each

No. 765—3 in. deep jaws, 14 in. long handles, 1½ in. wide blades, 6 in. long blades, weight each 3½ lbs. ..... $

Open Stock.

SQUEEZING TONGS

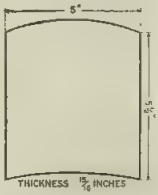
Japanned malleable iron with hollow tubed iron handles, malleable D's.

Squeezing tongs are used on Roll and Cap roofing and they are also generally used on pressed standing seam roofing. Squeezing tongs No 767 are fitted with a series of punches in the squeezing jaws, which perforate the flanges, cap and cleat in the process of squeezing. These perforations prevent the cleat bending up over the top of the cap.

Number	766	767
Length squeezing jaws, in.	11½	11½
Depth squeezing jaws, in.	⅞	⅞
Length handles, in.	24	24
Weight, lbs.	17	17
Each	$	

Open Stock.

HAND DOLLY



With the introduction of the hand dolly the sheet metal mechanic has found a profitable tool to aid his progress. The illustration will suggest many uses for the hand dolly. As a support inside of tanks when seaming by hand the dolly is invaluable. A variety of operations in general sheet metal working practice which cannot be handled to advantage over the regular bench stake might be more economically effected with a stake of this pattern. A desirable addition to equipment in the auto repair shop. Your set of stakes is not complete without the hand dolly. Well balanced with snug fitting handle and Pexto quality commends this tool to the practical worker.

Each

No. 947—5x5½ in. face, 1/16 in. thickness of head, weight each 8½ lbs. ..... $

Open Stock.
Prices Quoted on Application

SHEET METAL WORKING TOOLS

HOLLOW MANDREL STAKES

Cast Iron with Polished Faces.

Cast iron, adapted for riveting and heavier work of tinsmith, fitted with fasteners which permit the stake to be swung to any desired position and fastened.

No.	910	911
Entire length, in.	40	60
Length flat part, in.	9	12
Width flat part, in.	5	7
Length oval part, in.	31	48
Size oval part radius of cricle, in.	2	2½
Weight, lbs.	60	108
Each	$	

Open Stock.

STOVE PIPE MANDREL STAKES

The saddle which attaches the mandrel to the bench is heavy and is used as an iron to pound on.

	Each
No. 36P—Polished, length 36 in., weight 38 lbs.	$

Open Stock.

SOLID MANDREL STAKES

Cast Iron with Polished Faces

No.	960	960¾	961	962
Length to standard, in.	61	40	34½	30
Diameter, in.	3½	3	2⅝	2½
Weight, lbs.	128	86	56	43
Each	$			

Open Stock.

BEAKHORN STAKES

Wrought Iron with Steel Faces

No.	901	904
Round end, length, in.	16½	14
Flat end, length, in.	21½	19
Width of flat end, tapers, in.	2½x1¾	2x1½
Diameter round end at smallest point, in.	⅞	⅝
Diameter round end at largest point, in.	2½	2
Weight, lbs.	46	27
Each	$	

Open Stock.

BLOW HORN STAKE

Wrought Iron with Steel Faces

No.	925
Large end, length, in.	9
Small end, length, in.	18
Diameter small end at wide point, in.	1½
Diameter small end at narrow point, in.	⅝
Diameter large end at wide point, in.	4⅜
Diameter large end at narrow point, in.	½
Weight, lbs.	14
Each	$

Open Stock.

STAKES

Bevel Edge Square Stake
Nos. 931-932

Copperamith's Square Stake
No 935

Square Stake
Nos. 936-938-939

Wrought Iron with Steel Faces

No.	931	932	935	936	938
Size face, in.	3x5	2½x4½	2⅜x4½	2⅜x4½	3x5
Weight, lbs.	16	14	11	11	14
Each	$				

Open Stock.

HATCHET STAKES

Wrought Iron with Steel Faces

No.	941	943	944
Length blade, in.	16	13	11
Width blade at center, in.	2½	2½	2⅓
Width blade at ends, in.	1⅝	1½	1⅜
Weight, lbs.	14	8½	6½
Each	$		

Open Stock.

BENCH PLATES

Cast iron, planed surface, with socket holes to receive all stakes and swedges.

Nos.	980	981	982
Length, in.	48	37½	30
Width, in.	12	8	8
Weight each, lbs.	85	46	31
Each	$		

Open Stock.

TINNERS' RIVET SETS AND HEADERS

No. 46—Special forged steel, gun metal finish, polished face, oil tempered, fully warranted.

Size	0	1	2	3	4
Size hole, in.	3/32	1/8	.2130	.1910	1660
Size drill, gauge No.	35	33	8	11	19
For iron rivets, lbs.	10, 12	7, 8	6	4, 5	3, 3½
For copper rivets, Nos.	5	6	7	8	9
For copper rivets, in.	1/4	5/32	3/16	7/32	1/4
Weight, each, oz.	12	9	8	7	6
Each	$1.05	.90	90	.70	.70

Size	5	6	7	8
Size hole, in.	.1495	.1405	.1285	.1100
Size drill, gauge No.	25	28	30	35
For iron rivets, lbs.	2, 2½	1½, 1¾	1, 1¼	10, 12 oz.
For copper rivets, Nos.	10, 11	12	13, 14	15
For copper rivets, in.	1/8	7/64	3/32	1/16
Weight each, oz.	5	4	4	3
Each	$0.55	.55	.50	.50

Nos. 0 to 2, Two in a Box; Balance Six in a Box.

NOTE—Highly adapted for worker in sheet iron, copper, brass, etc.

FARMERS' RIVET SETS

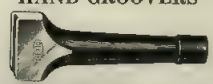
Drop forged tool steel, oil tempered; polished finish ends black finish body; length 5 in.

FARMERS' PATTERN

Nos.	7 F	8 F	9 F
Fits copper rivets Nos.	7	8	9
Weight per dozen, lbs.	5	5	5
Per dozen	$3.00	3 00	3.00

One-half Dozen in a Box.

HAND GROOVERS



Drop forged solid cast steel, oil tempered, polished head, natural finish, rounded body.

Nos.	00	0	2	3	4
Size groove, in.	1/8	5/32	7/32	9/32	5/16
Weight each, lbs.	1/6	1/6	1/6	7/8	7/8
Each	$1.30	1.30	1.15	1 10	1 10

Open Stock.

HOLLOW PUNCHES

Forged Steel.

Size, in.	1/4	5/16	3/8	1/2
Weight each, lbs.	1/6	1/4	1/4	1/4
Each	$1.05	1.05	1.05	1.05

Six in a Carton.

SOLDERING COPPERS

Pointed pattern, for general use.

Nos.	1	1¼	2	2¼	3	4	5
Weight per pair, lbs.	1	1½	2	2½	3	4	5
Per pound	$						

Open Stock.

RADIO SOLDERING COPPERS

Specially adapted for radio and electrical work, pure copper iron, heavily tinned point, coppered steel rod, black enameled handle.

Each

Universal—9¾ in. long over all, weight each ½ lbs. ...$1.50

It can be used to repair brass, galvanized iron, enamel, lead and copper. Useful in the home to repair pots, pans, pails, kettles, etc. Auto owners can use it for repairing leaky radiators, feed pipes, etc. This iron is made of pure copper, will not burn up, is heavily tinned and will keep the heat longer than any other iron.

Twelve in a Box with Display Card.

SOLDERING SETS

MILLERS FALLS

Solid soldering copper, twisted wire shank, wood handle.

Per Set

No. 2—Set consists of soldering copper, bar of solder, box of resin and a scraper, weight per set 15 oz. $1.20

One Set in a Box.

MELTING LADLES

Single or Double Lipped
Light—Steel bowls, handles carefully welded on.

In	2½	3	3½	4	5	6
Capacity, lbs.	1¾	2¼	3	4½	10½	14¼
Weight per dozen, lbs.	8	9½	11	18	24	30
Per dozen	$3.60	3.90	4.35	4.95	8.70	10.50

Open Stock.

SOLDERING POTS

CAST IRON

Diam. top, in.	4	5	6	7
Wt. each, lbs.	2	2½	4	5
Each	$1.20	1.50	2.10	3.00

Open Stock.

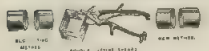
BENCH SHEARS

Best quality steel, black japanned handles, furnished right hand cut.

No.	1	2	4
Capacity gauge iron No.	18	19	20
Length cut, in.	9	8¾	7¾
Length over all, in.	39	37	30
Weight, lbs.	24	19	12
Each	$22 70	20.50	16 80

Open Stock.

DOUBLE CUTTING SHEARS
PEXTO, BERRIDGE PATENT



Forged high grade steel, carefully tempered and hardened, polished head, black finished handles

Each

No. 2—12¾ in. long, with pipe crimper, weight each 3 lbs. $5.00

They are adapted to cutting off the bottoms of pails, cans, etc., and suitable for cutting round or square work. The crimping attachment is designed for crimping any kinds of sheet metal pipe, round or square.

One Pair in a Carton.

COMPOUND LEVER SNIPS
SEARIGHT PATENT

Forged with solid blades of high grade crucible tool steel, scientifically treated by measured heat; all pivots and parts made for the most trying work on metal.

Searight's, Vest Pocket

Each

No. 7S—7 in. long, 1¼ in. cut, solid crucible tool steel, weight each about 5 oz. $3 00

Searight's, Solid Crucible Tool Steel

Nos.	8 S	10 S	12 S
Length, in.	8	10½	12
Cut, in.	1⅝	2½	3
Each, lbs.	⅞	1⅛	1⅜
Each	$1 50	6 75	9 00

The design of the compounding lever action gives an evenly distributed cutting strain from a close-throat start to the finish at the point of the blade

In difficult cutting it is not necessary to start the operation with blades open to the full span of the hand, because of this even hand pressure for cutting at any point or position of the blade.

From the 8-inch to the 12-inch sizes, inclusive, the short cutting blade is connected to the short lever handle by links on each side with close-fitting shouldered rivets, making a rigid connecting frame without side-springing tendencies.

Open Stock.

TINNERS' SNIPS OR SHEARS

WISS STRAIGHT

Drop forged steel, crucible steel laid blades, polished blued steel handles.

Nos.	12	10	9	8	7
Length, in.	8	11½	12½	13¾	14½
Cut, in.	2	2½	3	3½	4
Weight each, lbs.	½	1½	2	2½	3½
Each	$2.00	3.20	3.40	4.00	4.80

Open Stock

WISS CIRCULAR

Drop forged steel, crucible steel laid blades, polished blued steel handles.

Nos.	12CB	10CB	9CB	8CB	7CB
Length, in.	8	11½	12½	13¾	14½
Cut, in.	2	2½	3	3½	4
Weight each, lbs.		1½	2	2½	3
Each	$3 40	1 85	5 25	5 70	6 75

Open Stock.

WISS COMBINATION

Drop forged steel, crucible steel laid blades, polished blued steel handles Will cut curved as well as straight work

Nos.	19	18
Length, in.	12½	13½
Cut, in.	3	3½
Weight each, lbs.	1½	2½
Each	$4.00	4.50

Open Stock.

AUTO SNIPS

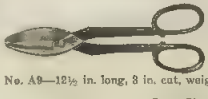
Cast steel, polished head, black handles, for autos and household use.

Each

No. A13—7 in. long, 2 in. cut, weight each ½ lb. . . . $1.50

Open Stock

HOUSEHOLD SNIPS



Cast steel, polished head, black handles, for household use.

Each

No. A9—12½ in. long, 3 in. cut, weight each 1½ lbs. $2.00

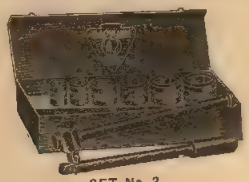
Open Stock

BLACKHAWK WRENCHES

COMBINATION SETS

LIST REVISED MAY 21, 1923

Superior for efficiency, quality and finish. Sockets are machine turned from solid steel bars and properly tempered. The openings are accurately milled $\frac{1}{64}$-inch oversize, insuring a perfect fit. Parker rust-proof gun metal finish.



SET No. 2

Contents:

6 hexagon machined sockets, sizes $\frac{1}{2}$, $\frac{7}{16}$, $\frac{5}{8}$, $\frac{11}{16}$, $\frac{3}{4}$ and $\frac{7}{8}$-inch.
1 combination tee and offset handle.
1 extension bar—6 inches.

Set No.	Wt. per set	Per set
2	2½ lbs.	$3.75

One set in a fibre box.

SET No. 4

Contents:

7 hexagon machined sockets, sizes $\frac{1}{2}$, $\frac{7}{16}$, $\frac{5}{8}$, $\frac{11}{16}$, $\frac{3}{4}$, $\frac{7}{8}$ and $\frac{15}{16}$-inch.
1 square machined socket, size $\frac{7}{16}$-inch.
1 9-inch ratchet wrench.
1 universal joint.
1 extension bar—8 inches.

Set No.	Wt. per set	Per set
4	5½ lbs.	$9.75

One set in a wooden box.

SET No. 6

Contents:

15 hexagon machined steel sockets, sizes $\frac{7}{16}$ to 1¼ inches inclusive.
1 9-inch ratchet wrench
1 universal joint.
1 extension bar—8 inches
1 combination tee and offset handle.

Set No.	Wt. per set	Per set
		$14.50

SET No. 8

Contents:

16 machined steel hexagon sockets, sizes $\frac{7}{16}$ to 1¼ inches inclusive.
3 machined steel square sockets, sizes $\frac{7}{16}$, ½ and $\frac{9}{16}$-inch.
1 ratchet wrench, 9-inch handle.
2 extension bars, 6 inches and 10 inches long.
1 universal joint.
5 open end wrenches.
1 combination tee and offset handle.
1 spark plug socket double end.

Set No.	Wt. per set	Per set
8	13¼ lbs.	$18.50

One set in a wooden box.

SET No. 10

Contents:

9-inch ratchet wrench, 2 extension bars, pipe wrench, brace wrench, universal joint, 2 spark plug sockets, 5 open end thin wrenches, pliers, combination tee and offset handle, double end screw driver, valve grinding attachment, cotter pin puller, 16 hexagon sockets, sizes $\frac{1}{4}$, ½, $\frac{7}{16}$, $\frac{1}{2}$, $\frac{9}{16}$, $\frac{5}{8}$, $\frac{11}{16}$, $\frac{3}{4}$, $\frac{13}{16}$, $\frac{7}{8}$, $\frac{15}{16}$, $\frac{31}{32}$, 1, 1$\frac{1}{16}$, 1$\frac{1}{8}$, 1¼ inches and 11 square machined steel sockets, sizes $\frac{1}{4}$, ½, $\frac{7}{16}$, $\frac{1}{2}$, $\frac{9}{16}$, $\frac{5}{8}$, $\frac{11}{16}$, $\frac{3}{4}$, $\frac{13}{16}$, $\frac{7}{8}$, 1$\frac{1}{16}$ and 1$\frac{1}{8}$ inches

Set No.	Wt. per set	Per set
10	25 lbs.	$27.00

For prices, see page 1495.

BLACKHAWK WRENCHES

DEALERS' DISPLAY BOARDS

No. 5100

With this assortment of Blackhawk Welded Rim Wrenches you can supply all the demands for wrenches to fit any make or size rim. When placed in a prominent position this display board acts as a very profitable silent salesman for the jobber, tire dealer, accessory dealer or service station. The turnover on this outfit is rapid.

This display board has wooden back, with sheet metal front, 16x37 inches in size, which is lithographed in four colors, yellow, black, red and blue, making an attractive display for any store.

Display complete includes—

6 No. 5120—Size 7/8-inch.
6 No. 5122—Size 1 1/4-inch.
6 No. 5124—Size 1 3/4-inch.
6 No. 5126—Size 2 1/8-inch.
6 No. 5128—Size 2 5/8-inch.
6 No. 5420—Size 3 1/8-inch.

36 Tools

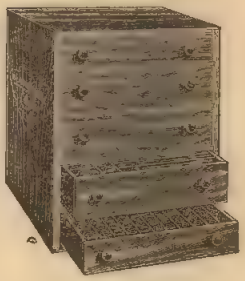
Display complete—Weight, 82 lbs.

No. 5103

Consists of six each Nos. 5120, 5122 and 5124 rim wrenches and six each No. 500 detachable brace handles and Nos. 20, 22 and 24 sockets. Display board lithographed in four colors on metal. A profitable assortment and silent salesman for the garage, service station, tire and accessory dealer. Weight each, 82 lbs.

One in a corrugated carton.

STOCK CABINETS



No. 50

With this stock cabinet you can supply your customers with wrenches for all kinds of work, whether for garage or service station use, manufacturer or farmer.

All sockets are machine turned steel and 1/32-inch oversize.

Cabinet 21 inches high, 18 inches wide, 11 inches deep. Each drawer arranged with compartments for the different size sockets, and all other items, made up specially for the hardware and accessory store, given free with an assortment of wrench parts as enumerated below:

Cabinet Contains:

HEXAGON SOCKETS

12 each, 8 sizes, Nos. 14 to 25.
6 each, 5 sizes, Nos. 26 to 32.
6 each, 3 sizes, Nos. 34 to 40.

SQUARE SOCKETS

6 each, 5 sizes, Nos. 014 to 020.
3 each, 4 sizes, Nos. 022 to 028.
3 each, 2 sizes, Nos 034 and 041.

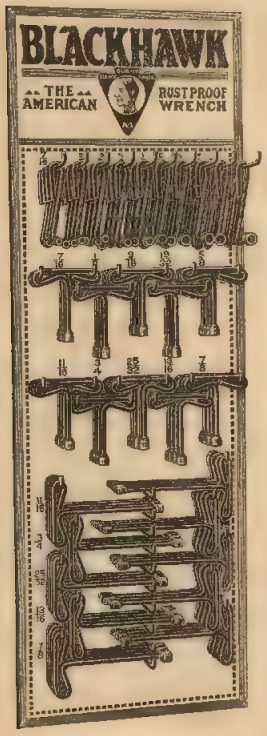
TOOLS

4 each 4-B, 6-B, 8-B shanks.
12 T-4 Off and T handles.
4 each T-6, T-8, T-10 extension bars.
6 T-2 Universal joints.
6 T-5 Offset handles.
6 T-7 Canvas rolls.
3 each Nos. 3329-3731 spark plug wrenches.
6 No. 911 ratchet wrenches.

Weight each, 130 lbs.
One in a wood box.

For prices, see page 1495.

BLACKHAWK WRENCHES



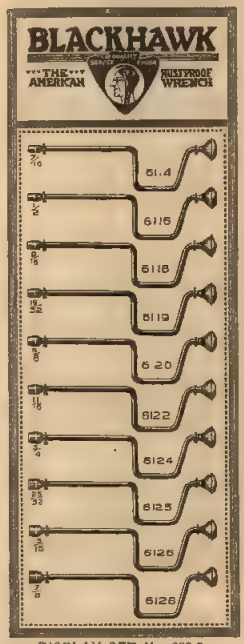
DISPLAY SET No. 360-S

This handsome display board furnished with the described assortment of wrenches. It is a great salesman. No hardware or accessory store is complete without this stock set.

No. 360-S display set contains 40 Tee Handle Wrenches, 12-inch shank; 40 Tee Handle Wrenches, 6-inch shank; 40 Offset Wrenches, 7-inch handle. Total (120 wrenches).

Size of display board, 6 feet by 2 feet.

Weight of board, 50 lbs.; wrenches, 163 lbs.



DISPLAY SET No. 600-S

This display board furnished with assortment of Blackhawk Speeders. Dealers will find this a great help in making increased sales.

No. 600-S Display Set contains 6 of each size Speeder with Welded Sockets. Board, 6 feet by 2 feet.

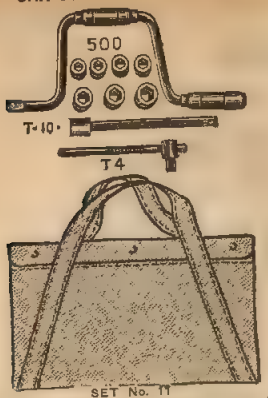
Weight of board, 50 lbs.; wrenches, 116 lbs.

Table of Bolts and Nuts

SOCKET SIZE	7/16	1/2	9/16	5/8	11/16	3/4	13/16	7/8
U.S.S. A.F. NUTS	1/4	5/16	3/8	7/16	1/2		9/16	
U.S.S. CAP SCREWS	1/4	5/16	3/8	7/16	1/2		9/16	
U.S.S. CAP SCREWS	1/4	5/16	3/8	7/16	1/2	9/16	5/8	
U.S.S. NUTS & BOLT HEADS	1/4		5/16	3/8	7/16	1/2		

BLACKHAWK WRENCHES

CAR OWNERS Q. D. SETS

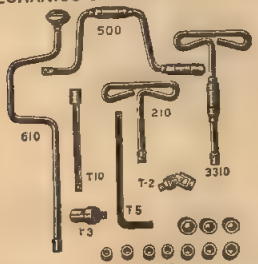


SET No. 11

This is a very handy set for any car owner. The sockets furnished cover a wider range of bolt heads and nuts than a score of open end wrenches and occupy about one-third as much space. Set packed complete as listed in neat handled carrying case of strong canvas. The set contains

1 No. 500 Q. D. Rim Brace Handle;
1 No. T-4 Q. D. Combination Tee and Offset Handle;
1 No. T-10 Q. D. Extension Bar;
1 each of the following: 16-18-19-20-22-24-28 hexagon sockets;
1 canvas bag to hold same. Weight per set, 5 lbs.

MECHANICS STANDARD Q. D. SETS

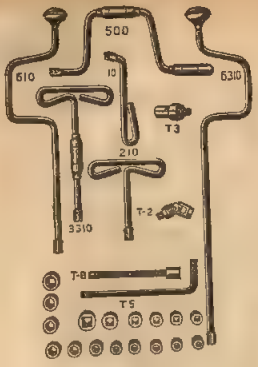


SET No. 19

This set is not quite as complete as the No. 27 master service set, yet covers a wide range of uses. Contains the same hexagon sockets but does not include any square sockets. This set is popular with mechanics and contains all wrenches that are useful, and gives the mechanic a complete line of hexagon socket wrenches with the various type handles at a minimum cost and in compact form. The set contains.

1 No. 500 Q. D. Rim Brace Handle;
1 No. 610 Q. D. Speeder Handle;
1 No. 3310 Q. D. Long Tee Handle with speed grip;
1 No. 210 Q. D. Short Tee Handle with speed grip;
1 No. T-5 Q. D. Double End Handle.
1 No. T-10 Q. D. Extension Bar;
1 No. T-3 Q. D. Ratchet Attachment;
1 No. T-2 Q. D. Universal Joint;
One each of the following: 14-16-18-20-22-24-26-28-30 hexagon sockets.
Packed in a wooden box. Weight, per set, 11½ lbs.

GENERAL SERVICE SETS

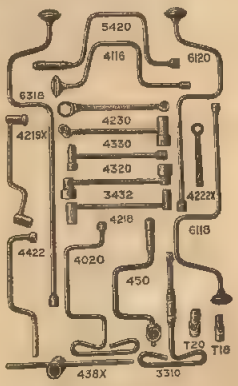


SET No. 27

The most practical and complete set of its kind ever assembled. More than 275 wrenches and combinations can be made from the Q. D. sockets of this assortment.

Weight per set, 16½ lbs.

FORD SERVICE STATION SET



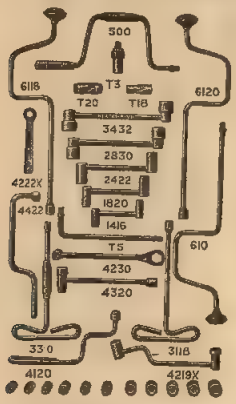
SET No. 29

Every service station for Ford cars should be equipped with this labor saving and efficient Blackhawk socket set. This set contains 19 tools, which is equivalent to 29 wrenches, and will take care of practically every nut or bolt on the Ford car and truck. These wrenches also useful on other make cars and trucks. Packed in wooden box. Weight per set, 25 lbs.

For prices, see page 1495.

BLACKHAWK WRENCHES

GENERAL SERVICE SETS



SET No. 115

This general service set is very complete and a most efficient set. Contains every desirable tool necessary to speed up repair work, which means additional shop profit. The assortment of wrenches comprising this set is equivalent to 115 wrenches of various designs and sizes. Will be found useful on all make cars and trucks in daily repair work. Weight per set, 25 lbs.

MECHANICS HEAVY DUTY HAMMER HEAD WRENCHES

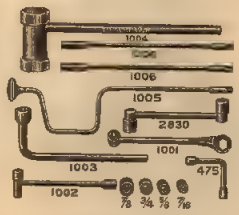
SET No. 300

Stock No.	Size	Stock No.	Size
1416	7/16 and 1/2 in.	2830	7/8 and 15/16 in.
1820	9/16 and 5/8 in.	3432	1 and 1 1/16 in.
2422	11/16 and 3/4 in.		

Average weight each, 1¼ lbs.

Set No. 300, five wrenches. Weight per set, 5½ lbs.

FORDSON TRACTOR



SET No. 1000

This wrench set was developed after careful study of the Fordson Tractor. Designed for lightness in weight, strength and adaption to the various bolts and nuts on the tractor. It is a compact and very serviceable set.

Weight per set, 13¾ lbs.

L SOCKET WRENCH SETS

SET No. 1200

Made strong and adaptable to many places where a tee or speed wrench could not be used. Each wrench fitted with two sockets making in reality 10 wrenches. A desirable set for all garages. Weight per set, 6 lbs.

SPEED WRENCH SETS

SET No. 6100

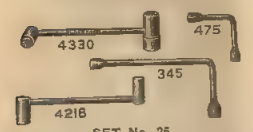
Consists of one each Nos. 6114 to 6128 inclusive, ten wrenches in all. Weight per set, 17½ lbs.

BLACKHAWK WRENCHES

For prices, see page 1495.

CAR OWNERS AND MISCELLANEOUS SETS

MAXWELL SETS



SET No. 25

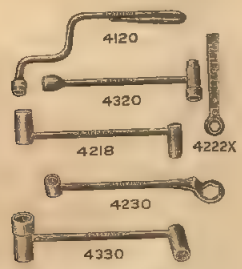
Maxwell cars are being sold in large quantities, therefore require many wrenches for repair work. Set consists of 4 special designed wrenches—9 openings. Socket sizes: ⅜, 13/32, 7/16, ½, 9/16, ⅝, ¾-inch. Weight per set, 4 lbs

CHEVROLET OWNERS SETS

SET No. 30

This set will take practically all bolts and nuts on the Chevrolet 490 and Superior cars. Every mechanic as well as the man who owns a Chevrolet car should have this efficient set. Consists of 4 wrenches or 9 openings with welded sockets. All sturdy tools with quality and efficiency fully guaranteed. Weight per set, 6 lbs.

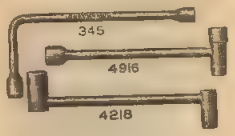
FORD OWNERS SETS



SET No. 46

Blackhawk Ford Set No. 46 will take care of practically all bolts and nuts on Ford cars. After using this set once, the man who owns a Ford would never be without it. Weight per set, 7 lbs.

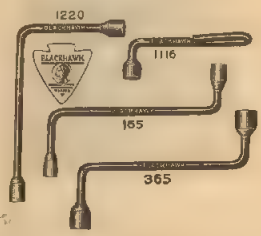
BUICK "SIX" AND "FOUR" SET



SET No. 440

This set of three wrenches with 7 openings is a most efficient set of tools for use on Buick 6 and 4-cylinder cars. Socket sizes 7/16, ¾, ½, 5/8-inch Weight per set, 3 lbs.

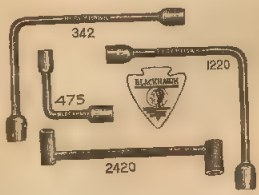
DODGE SETS



SET No. 650

Four tools comprises this set—7 openings. All welded sockets, sturdy handles. Tools which are necessary for speed and efficient repair work. Socket sizes: ⅜, 13/32, ½, 9/16, 5/8, ⅞ and ¾-inch. Weight per set, 3 ¾ lbs.

OVERLAND AND WILLYS-KNIGHT SET



SET No. 750

This set especially adapted for use on Overland and Willys-Knight consists of four wrenches—eight openings. Socket sizes. 5/8, ¾, 13/32, ½, 7/16, 9/16-inch. Weight per set, 4 lbs.

For prices, see page 1495.

WELDED WRENCHES BLACKHAWK

DEALER'S DISPLAY SET OF SPECIAL WRENCHES USED ON DODGE CARS

No. 6500 CONTAINS:

4 Wrenches Each Style
A Total of 60 Tools

No. 342	$ .70	No. 2330	$1.45
No. 475	.70	No. 3024	.80
No. 1116	.60	No. 3116	.72
No. 1220	.85	No. 3432	1.45
No. 1416	.85	No. 4916	.8[illegible]
No. 1820	.85	No. 6116	1.00
No. 2118	.66	No. 6322	1.15
No. 2428	1.00		

Weight of board, 42 lbs. Weight of wrenches, 85 lbs.

Proper Wrenches for Use on Dodge Cars

Breather Bolts, ¼" Hex	3116	1116	4916	475
Carburetor Nuts, ⅜" Hex	3116	2116	1416	4916
Clutch Drain Plate, ⅜" Hex	342	1116	1416	4916
Clutch Housing Cover, ½" Hex	475	342	1416	1116
Clutch Pedal Clamp, ½" Hex	475	1416	4916	1116
Connecting Rod, ⅝" Hex		365	2422	2428
Cylinder Head Screws, 11/16" Hex	2224	2432	1220	6322
Cylinder Water Inlet, 9/16" Hex	3112	1820	2018	2118
Differential Carrier Bolt and Nut, ⅝" Hex		1820	1120	1320
Differential Carrier Clamp Bolt, ⅜" Hex		4330	2330	2428
Differential Carrier Clamp Bolt Nut, 1" Hex			244	3432
Differential Carrier Housing, ⅝" Hex		1320	1120	1220
Differential Screws, 9/16" Hex	3112	1320	2018	2118
Disc Wheel Nuts, ⅝" Hex	2432	1224	6104	6124
Exhaust Manifold, 9/16" Hex	3118	1320	6118	2118
Fan Adjusting Screw, ⅜" Hex	3120	1220	1320	4916
Front Engine Bolt, 9/16" Hex	1218	3118	2018	1320
Front Fender Screws, 9/16" Hex	1320	3118	6118	2118
Front Fender Bracket to Frame Nut, ⅜" Hex	4916	342	475	1116
Front Spring Bolts, 15/16" Hex			4330	2330
Front Spring Clips, ⅝" Hex		2124	1124	2428
Head Light Bracket to Fender, 7/16" Hex				1416
Main Bearings, ⅞" Hex		4330	2330	2428
Oil Pan Screws, ½" Hex	3116	475	6116	342
Oil Pan Strainer and Pipe, ⅜" Hex	342	475	1116	1416
Oil Pump, ½" Hex	342	475	1116	1416
Propeller Shaft Nut, 1 1/16" Hex				3432
Radiator Nuts, ⅝" Hex				3024
Rear Axle Housing Cover, 7/16" Hex	6114	3114	1114	475
Rear Engine Bolts, ⅞" Hex		1326	2330	2428
Rear Spring Clips, ⅝" Hex		4330	2330	2428
Rear Spring Front Bolt, 1" Hex			244	3432
Rear Spring Rear Bolt, 15/16" Hex			2330	
Reverse Idler Pinion Bracket, ½" Hex	3118	1116	475	1416
Rim Nuts, ⅝" Hex	1220	5420	6104	6130
Small Spring Clip Bolts, ½" Hex	3116	1416	1116	475
Starter Support Bracket, ⅜" Hex	3118	2116	475	1116
Steering Gear Case Clamp Bolt, ⅝" Hex		1120	1320	4916
Steering Gear Case, ½" Hex	475	4916	1116	1416
Steering Gear Case Bracket Clamp Bolt, 11/16" Hex	3132	2224	6132	1220
Steering Gear Shaft Connection, 9/16" Hex		1118	2118	1320
Steering Knuckle Bolt and Nut, 15/16" Hex			4330	2330
Steering Knuckle Arm Nut, 1" Hex			244	3432
Timer Gear Cover, ⅜" Hex	4916	6116	3116	1116
Transmission Case Cover, ⅜" Hex	8116	1416	4916	2116
Universal Joint Housing, ½" Hex		1116	1416	4916
Wheel Hub Nuts, ⅝" Hex			2422	2428

For prices, see page 1474

WALDEN-WORCESTER SOCKET WRENCHES

SELECTIONS AND ADAPTIONS OF WRENCHES FOR SERVICE STATIONS AND GARAGES; ALSO CAR OWNERS

REV.	Buick	Cadillac	Chandler	Chevrolet	Chrysler	Cleveland	Dodge	Dort	Durant	Essex	Flint	Ford
Head Lamp Bracket	2418'	856'	395 2418'		5660 2418'	395 5660	2418'	395 2418'	2418' 5660'	395 2418'	2418	2418'
Radiator Anchor Bolt	6218	4244	O E	773	2724	2728	2724	2418	2722	2418' 1018	O.E.	6218
Front Spring Bolt	5660	4236	5660	5660'	5660'	5660'	5660	5660	5660	856 2418'	5660'	5660'
Front Spring Clips	O E	O.E	5660'	5660'	856'	5660'	2418'	856	5660	O E	5660'	5660' 2418'
Front Spring Rear Shackles	5660	4236	5660'	5660'	5660'	5660'	5660	5660'	2418' 5660'	5660'	5660'	5660'
Steering Knuckle Pivot				2418'			5660					5660'
Steering Knuckle Pivot Nut			4256	5660'			5660					2418'
Steering Knuckle Drag Link	5660		2418		856'	2418'	2418'	5660'		2418'	4234	2418'
Steering Knuckle Arm	762		4240	5660'	762	4240	762	4240	5660	5660'	5660'	4234	2418'
Steering Knuckle Tie Rod	5660	5660	24.8	2418' 5660'	2418	2418'	2418'	5660'	5660'	2418' 751'	2418	5660
Steering Knuckle Tie Rod Clamp	2"	2418'	2418'	395			395'		5660'	751	2418	395
Timing Gear Case	6016 395'	6016 2418'	395		---	395' 6016	395'	395		395 2716		395
Motor Support, Front	24.8	2418'	2418'	2418' 2724	2724	2418'	1620	752	1620	2418'	856'	2418'
Motor Support, Rear	5660	O E	2418'	391'	2418'	O E	5660'	444'	1620	5660	856'	395 2418'
Fan Support	2418'		494					2418'		751	O E	2418'
Fan Adjusting Nut	2418'		1620			1620	1620	2418'	O E	751	2418	398
Generator Support	2418'	394'	494'	395	1018	494'	O E	395	2418'	O E.	395	771'
Carburetor Flange	2418'	5660	499	494'	O E	494'	395'	494	494	2724 498	499	771'
Cylinder Head Bolt	6020 444'	6022	2325 6025	2418'	856' 6024	6024 2418'	5660	6020 444'	6024 2418'	494'	856' 6020	3620'
Cylinder Hold Down Bolt	1020	1022	2418' 1024			1024 2418'	--					
Intake Manifold Clamp	2418'	494 6018	O E	395	499	2418'	395'	444'	2418' 2716	2724 498	499 1018	395 2418'
Exhaust Manifold Clamp	2418'	2418' 6018	O E	2418'	499	2418'	2418'	444'	2418' 2716	499' 2716	499 1018	395 2418'
Connecting Rod Bearing Cap	2418'	856'	1620	2418'	856'	2418'	2418'	2418'	2418'	2418'	24.8	2724 5810
Main Bearing Cap	2418'	394'	2418' 2660'	392	2418'	2418'	5660	2418'	5660'	2418'	856'	2418' 1861
Oil Pan to Case	6016 2716	2716 6018	2716 6016	2716	6016	6016	6016 395'			2716	395 6018	6024 494'
Starting Motor Support	2418		499	2418'			1018	O E.	752	395	395 1018	395
Water Cylinder Outlet	494	494	494	494'	395	2418'	5660	444'	2418'	395 2716	494'	2716 499	3620'
Water Cylinder Inlet	494	395 2716	395	391'	395	494'	498	444'	2418'		494'	1020 1620
Water Pump Support	444	395	395	494'	395	494'	395'		395		494'	
Water Pump Plate				494'		498	498				494'	
Steering Gear Bracket	2418'	2418'	2418'	391'	2418'	395	5660	395	1620	751	856'	2418'
Steering Gear Cover	494	494	494	395		494'		494		494'	494'	
Steering Gear Case	494	395	2418'	494'		494'	494	5660	494	494'	494'	6064
Steering Gear Pitman Arm		4250		762						856' 2418'	5660'	4240	2418'
Steering Gear Post Clamp	444'	2418'	395	2418	2418'		1620	494	5660	2418'	856	395
Transmission Support	6018 395'	5660 6022	2418' 6018	2418'	395 6018	1620	2352 6018	2418'	5660 2418'	5660'	2418	395 2718
Transmission Cover	395	395	395	494'	395	494'	395'	494	395	494'	494'	
Universal Joints	395 494	494	1620 2418'	494'	395	1620 2418'	494	2418'	498	498	498	1018 2418'
Rear Spring Front Bolt	5660		762	5660	5660	4236	762	4240	5660	5660'	5660'	
Rear Spring Clips	762	762	5660'	5660'	856	5660	5660'	2418'	856'	2418'	5660	5660'
Rear Spring Shackle	762	4236	762	5660	5660'	5660'	5660'	2418'	856 5660'	5660	5660'	2418
Pinion Gear Adjusting Nut	2418'	856'	1620		395	1620	5660	2418'				1620
Rear Axle Housing, Front	6020 444'	850' 2720	2418' 6018	2418'	2418' 6018	6018 2418'	1620	2418	884' 2418'	395 2716		
Rear Axle Housing, Rear	6020 444'	395 2718	2418' 6018		2418' 6018	6018 2418'	498			2716 395		
Rear Axle Housing, Side				391' 2716				395 2418'	395 494		395 494'	395 494'
Muffler Support	395'	2418'	395		395	395			5660'	494' 395		395 2418'
Muffler Head	395'						2722	2724				1620
Body Bolt Nut												5660' 620
Front Fender to Frame	395'	395 2418'	395	395 6018	5660	395	6016 395'	444 6018	5660' 2418'	2418' 395	395	6024 395
Rear Fender to Frame	395'	2418' 6018	395	395	395	395	6016 395'	395 444'	494	2418' 395	395	5660' 2418

†Indicates wrenches for individual Car Owners.

For prices, see page 1474

WALDEN-WORCESTER SOCKET WRENCHES

SELECTIONS AND ADAPTIONS OF WRENCHES FOR SERVICE STATIONS AND GARAGES; ALSO CAR OWNERS

REV	Wills St. Claire	Willys-Knight	Autocar	Federal	Ford	G. M. C.	Gaylord	International	Mack	Pierce Arrow	Reo	White
Head Lamp Bracket	*2326 2418	1620* 2418			2418	2418		856	6526 702	2418	792 732	2418
Radiator Anchor Bolt	2724	2718	OE	5660	6218	5660	5660	2418	762	4234		4236
Front Spring Bolt	2418*	5660	2418	395	5660	856			2418	2418	5660	4240
Front Spring Clips	OE.	2418*	OE	OE	5660 2418	OE	OE.		5660	OE	5660	4252
Front Spring Rear Shackles	2418	5660	2418	395	5660	856			2418	2418	5660	4240
Steering Knuckle Pivot			2418		5660						762	
Steering Knuckle Pivot Nut					2418				762		762	
Steering Knuckle Drag Link	2418*	2418*	4240			4244	4244		762	4234	5660	4236
Steering Knuckle Arm	4236	762	4246		5660	4252	4252		4246	4248		4252
Steering Knuckle Tie Rod	2418*	2418*	4240	762	2418	4240	4244	4244	762	5660	5660	4236
Steering Knuckle Tie Rod Clamp		2418	4240	762	2418	5660		395	2418	2418		
Timing Gear Case	395*	395	499	395	2718	395	499 5660	395	2418	395	395	856
Motor Support Front	2418*	2418	4234	5660	2718	2418	2418	2418	2418	5660	856	856
Motor Support Rear	5660*	5660	4240	5660	2418 2718	4240	5660	2418	762	5660	856	OE
Fan Support		2718			2418	2418	2418		856	2418	856	5660
Fan Adjusting Nut		494*		395	2718		OE	856	856	2418	856	OE
Generator Support	395*	5660			771	2418 5660	856					
Carburetor Flange	494	OE	499	499	771	499	499	395	499	494	OE	2418
Cylinder Head Bolt	395*		392	4024 2418	6020 5624	6018 4218	6024 2418	6024 2418		5024 2418		6218 4218
Cylinder Head Down Bolt	1018	1020	1028	1028			1024		OE	1024	5660	1028
Intake Manifold Clamp	1620		392	394	1218 2418	856	OE	5660	5660	1020	752	2418 5660
Exhaust Manifold Clamp	2418*	752	392	394	1218 2418	856	OE	5660	5660	1020	856	2418
Connecting Rod Bearing Cap	726 2418*	1620	752	2418	5810 726	856	856	5660	2418	2418	2418	856
Main Bearing Cap	2418*	2418*		394	7218 1661	4228	4234 5660	5660	4240 5660	4228 4230	5660	4228
Oil Pan to Case	6016	6016	752	6018	494	6018 595	6022	6016	6020	6018		6020
Starting Motor Support		2418*								2418	5660	
Water Cylinder Outlet	1620	1620	499	395	3620 726	5660	494	5660	2418	494	494	4228
Water Cylinder Inlet	395*	1620	494	395	3620 726	5660	499	5660	2418	494	494	494
Water Pump Support			395	395		395	499		856	1018	444	856
Water Pump Plate			498			395			2418			498
Steering Gear Bracket	2418	2418*	2418	1620	2418	4236	2418	5660	2418	2418	856	4236
Steering Gear Cover	494	494*	494				395	2418	395			
Steering Gear Case	494	494*	392	395		2418	395	395		395		856
Steering Gear Pitman Arm			4246		2418	4258	4252		4234	4240	762	OE
Steering Gear Post Clamp	1620	1620	2418	395	1620 6062	2418	395		2418	395	498	
Transmission Support	6018 395	6018 395	4240	2418	2418 2718	4234 5660	2418	2418	2418	5660	856	856
Transmission Cover	494	494*	499	395		395	499	395	2418	395	494	2418
Universal Joints		2418 1620*	2418 498	494	2418	856	2418	499	499	2418 498	5660	499
Rear Spring Front Bolt	2418*	762	2418	395	762	856	4240	4240	2418	2418	4240	4240
Rear Spring Clips	5660	5660	4252	762	762	4252	4234	4240	4240	4234	5660	4256
Rear Spring Shackle	762	5660	4264	395	4240	856	4252		2418	2418	856	4240
Pinion Gear Adjusting Nut	5660	1620	2418			4234				5660	856	5660
Rear Axle Housing, Front	2418*	752	4234	2418		856	856	2418	5660		752	5660
Rear Axle Housing, Rear	6018 2418*	6018 2418*	4234				856	856	2418	2418	752	
Rear Axle Housing, Side				726 2418	726 1620	4228	2418	395	5660	2418		
Muffler Support	395*	395		1620	2418	2418	395	2418				
Muffler Head					2418	2418	395					
Body Bolt Nut	2724	2724										
Front Fender to Frame	2418	2418*	392	762	2418 6218	4236	2418		2418	2418	762	4234
Rear Fender to Frame	395*	2718 395									856	

†Indicates wrenches for individual Car Owners.

For prices, see page 1474

WALDEN WORCESTER SOCKET WRENCHES

SELECTIONS AND ADAPTIONS OF WRENCHES FOR SERVICE STATIONS AND GARAGES; ALSO CAR OWNERS

REV. — WALDEN WORCESTER WRENCHES	Franklin	Gardner	H. C. S.	Haynes	Hudson	Hupmobile	Jewett	Jordan	Lincoln	Marmon	Maxwell	Nash
Head Lamp Bracket	395 2418	395	2418	5660 2418	2724 2418	1018 5660	395 5660	395	444 2418	1620 4236	5660	2718
Radiator Anchor Bolt		2418	6218	2728	392	2720	2724	2720	762	395 2418	6018 395	2728
Front Spring Bolt		5660	762	4236	392	762	5660	5660	4240	5660	5660	5660
Front Spring Clips	2418	O E	2418	2418	O E	2418	5660	5660	O E	O E	856	5660
Front Spring Rear Shackles		5660	762	4236	5660	762	5660	5660	4240	5660	5660	5660
Steering Knuckle Pivot									762			
Steering Knuckle Pivot Nut									762			
Steering Knuck e Drag Link	2418		2418	5660	5660		4234	762	4240	5660		5660
Steering Knuck'e Arm			4240	4236	4244	5660	4234	4234	4246	4240	5660	762
Steering Knuck.e Tie Rod	2418	2418	2418	5660	2418	5660	4234	762	5660	1620 2220	5660	5660
Steering Knuckle Tie Rod Clamp		2418	5660	—	2418			5660	2418	2418		395 2418
Timing Gear Case	395	1020	395	6015 395	6018 395		6018 395	1620 395	6018 395	395	6018 2418	395
Motor Support, Front	2418	2418	5660	5660	2724 2418	2418	2418	2418	444	1024	6016	1620
Motor Support, Rear	2418	1018	5660	5660	2724 2418	5660	2418	5660	O E.	1024	5660	5660
Fan Support			395	2418	O E	395 1018		2418	2418		5660	
Fan Adjusting Nut		5660	395	2418	2724 2418	O E	2418	2418	2418	395 2418	5660	2418
Generator Support	2418		395	4234 395	2418	1018	499	395	444	O E	5660	O E.
Carburetor Flange	494	494	444	494	494	494	O E	494	499	O E	494	O E
Cylinder Head Bolt		6034 2418	6024 2418		6028 5021	6024 2418	1620	6030 1620	1023 5660	6020 1620	6020 850	6024 2418
Cylinder Hold Down Bolt	1018	1020	2418 1024		392 1028			1020 1620	1024	6020 1620		
Intake Manifold Clamp	395	2418	444	494	395 6018	499	2418	494	444	6018 395	6018 2418	6024 2418
Exhaust Manifold Clamp	1018	2418	2418	2418	395 6018	392 1018	5660	494	1018	6018 395	6018 2418	6024 2418
Connecting Rod Bearing Cap	2418	752	2418	1620	856	444	1620	1620	444	2418	2418	1620
Main Bearing Cap	2418	2418	2418	2418	856 2418	2418	2418	5660	762	2418	2418	2418
Oil Pan to Case	6020	6020	6018 395	6018	6018 395		6018	6018	6018 395	6016	395 6016	6018 1016
Starting Motor Support	1620	1020		499	2724 2418	444	392	762	444		395	2714
Water Cylinder Outlet		2418	444	1620	395	494	494	395	444	395	395	395
Water Cylinder Inlet		395	444	494	395	6018 395	494	494	444	6016	856	O.E.
Water Pump Support				499	395			1620	499			494
Water Pump Plate			498		498		494	494	498			
Steering Gear Bracket	1620	5660	395	2418	856	444	2418	2724 2418	2418	1620	762	395
Steering Gear Cover		494	395	2418	494	494	494	494		498		494
Steering Gear Case	494	494	395	2418	494	494	494	494	494	494	494	494
Steering Gear Pitman Arm	5660					4240					856	4236
Steering Gear Post Clamp	494	494	2418	2418	2418	395	494	494	494	2418	494	494
Transmission Support	1620	1020	395 1018	6018 395	2724 2418	444	2418 2724	2724 2418	6018 395	2418	2418	6018 395
Transmission Cover	499	395	395	395	494	494	494	395	395	395	395	494
Universal Joints		395	395	4248	494	2418	1620	O E	494	498	856 5660	494
Rear Spring Front Bolt		762	762	4246	392	4240	4252	4240	4240		762	762
Rear Spring Clips	2418	2418	2418	5660	6030 392	5660	5660	5660	5660		856	5660
Rear Spring Shackle		5660	762	4240	5660	762	5660	5660	4240	5660	762	5660
Pinion Gear Adjusting Nut		2418	395	2418	2418		395		5660		2418	2418
Rear Axle Housing, Front	395 1620	2418	444	1620	2418		6018 395	6018 395	444	1620	2418	
Rear Axle Housing, Rear	395 1620			6018 1620	6018 2418		6018 395	6018 395	444		6018 2418	395
Rear Axle Housing, Side		2418	444			2418 444				1620		2418 1620
Muffler Support			2418		395	O E	494	395	395	1620	494	
Muffler Head			2418	395		395		395	395	1620	395	
Body Bolt Nut				2724	2724	2724		2720	2724			2724
Front Fender to Frame	395 2418	395	2418 1018	2724 2418	5660	2418	395	395	5660	6018 395	395	2718
Rear Fender to Frame	395 2418	395	2418 1018	2724 2418	395	444 395	6018 494	395	1018	6016	395	2718

†Indicates wrenches for individual Car Owners.

For prices, see page 1474

WALDEN-WORCESTER SOCKET WRENCHES

SELECTIONS AND ADAPTIONS OF WRENCHES FOR SERVICE STATIONS AND GARAGES; ALSO CAR OWNERS

REV. (Walden Wrenches)	Oakland	Oldsmobile	Overland	Packard	Paige	Peerless	Pierce-Arrow	Reo	Rickenbacker	Star	Studebaker	Stutz
Head Lamp Bracket	5618 5609	2418	395	2418	752	1620*		5620 1750	2418	2418	5618 5612	5616 5600
Radiator Anchor Bolt	856*	2724	752		2418	4244	2724		5718 2418	2722	5718 2418	2724
Front Spring Bolt	5660	5660	856*	762	5660	4240	2418	5660	5660	5660 856	762	762*
Front Spring Clips	856*	2418	856*	O E	5660	O E.	O E.	5660	2418	856	O E.	5660
Front Spring Rear Shackles	5660	5660	762	762	5660	4240	762	5660	5660	2418 5660	762	762*
Steering Knuckle Pivot			5660					762				
Steering Knuckle Pivot Nut			5660					762				
Steering Knuckle Drag Link			762	5660	762	4240	5660	5660			5660	762*
Steering Knuckle Arm	762	5660			4244	4240	762		4240	5660	5660	4238
Steering Knuckle Tie Rod		5660	2418	5660	762	5660	5660	5660	2418	5618 2418	5660	762*
Steering Knuckle Tie Rod Clamp		395* 1620	395	395* 2418		5660				856 2418		856*
Timing Gear Case	395	395*	395	395*	6018 395	6018 395	6018 395		395	—	395*	395
Motor Support, Front	2418	1620*	5660	2418	2418	2418	5660	856*	2418	2418	856*	2418
Motor Support, Rear	5660	2418	5660	4238 2418	O E.	1624 2418	762	856*	2418	1020	856*	5660
Fan Support			5660	494*	2418		5660	5660	2418	395		O E
Fan Adjusting Nut				494*	2418		2418	5660	2418	O E.		856*
Generator Support	395	2418	395	1018	395	6018 395	2418	856*	1018	1620	1018	395
Carburetor Flange	494	494	494*	494*	499	O E	494*	494*	498	494	499	499
Cylinder Head Bolt	6022 732	6020 1620	856*	6020 2720	6020 856		6022 2478	6022 856	6020 1620	6020 1620	856*	6020 856
Cylinder Hold Down Bolt	856* 1020			4238 6018	1020	1024	O E.				1024	
Intake Manifold Clamp	752*	2418	752	494*	752	2418	2720	395	1018	2718	2418	2418
Exhaust Manifold Clamp	752*	6018 2418	752	494*	752	6018 2418	2720	856*	1018	2718	2418	2418
Connecting Rod Bearing Cap	2418	2418	2418	2418	856*	1620*	2418	856*	2418	2418	2418	856*
Main Bearing Cap	856*	2418	2418	2418	2418	5660	5660	5660	2418	5660	2418	856*
Oil Pan to Case	6018		395 6016	6018 395	6018 752	6016		6018 395	6018		6016	6016
Starting Motor Support		2418	752	2418	762	494	2418		395		1018	395
Water Cylinder Outlet	2418		395	498	494*	498	494*	494	1620	1620	856*	494
Water Cylinder Inlet	395 2418		856*	494*	494*	494	494*	494*	1620		494	494
Water Pump Support	395	494			499		1016	856*	2418	395	494	494
Water Pump Plate	395				494*	498		494*	498		494	
Steering Gear Bracket	856*	5660	2418	2418 494	5660 2418	395*	1620	856*	2418	1620	395*	2418
Steering Gear Cover	494	395*		494*	494*	498	494*	395	494	498	395*	494
Steering Gear Case	494	395*	494*	494*	494*	498	494*	395	494		395*	494
Steering Gear Pitman Arm	4244	4234			4238	4244	4246	762	4246		762	4250
Steering Gear Post Clamp	395	494	494*	494*	494*	498	1620		494	5660	395*	2418
Transmission Support	856*	1620*	395 2718	2418	856* 2418	6018 395	5660	856*	2418	5618 2418	5618 2418	6018 395
Transmission Cover	494	395*	494*	494*	395	395*	395	494*	494	395	395*	494
Universal Joints	856*	1620*	494*	494*	2418	494	499	5660	1620*	498	494	2418
Rear Spring Front Bolt		5660	856*	762	4240	4240	762	4240	4234	2418 5660	762	762*
Rear Spring Clips	856*	2418	856*	5660	5660	5660	5660	5660	5660	2418	762	762*
Rear Spring Shackle	5660	5660	5660	762	5660	4240	762	5660	5660	5618 2440	762	762*
Pinion Gear Adjusting Nut	2418	2418		2418	752	2418		2526	2418		752	
Rear Axle Housing, Front	2418	395		6022 1620	2418	2418	392	752	2418	1620	752	395
Rear Axle Housing, Rear	6018 2418	6018 395		6020 1620	2418	6018 2418		752	6018 2418		494	6018 395
Rear Axle Housing, Side			395 2418				395 2418			494 395		
Muffler Support		2418		395*	395	395*	395				2418	2418
Muffler Head				395*							752	494
Body Bolt Nut	2722	2418	2722	2720			2720		5618 2724			2720
Front Fender to Frame	395	5618 395	2418	1620	752	2722	762	856*	1620	2418	752	856*
Rear Fender to Frame	6018	2418 395	395	2418 395	752	2722	395	2720 856	1620		752	

* † Indicates wrenches for Individual Car Owners.

For prices, see page 1495.

BLACKHAWK WRENCHES

DEALER'S DISPLAY SET OF SPECIAL WRENCHES USED ON FORD CARS AND TRUCKS

DISPLAY SET No. 400-S

No. 400-S Display Set contains

4	4030	$1.00
4	4120	.95
4	6118	1.00
4	6120	1.00
4	4002	1.00
4	4003	.80
4	4218	.95
4	4330	.85
4	4330	.95
4	4222X	.90
4	4423	1.25
4	4219X	1.40
4	4116	.95
4	3118	.72
4	3120	.72
2	4330	1.45
2	433X	1.40

Weight of board, 50 lbs.
Weight of wrenches, 104 lbs.

Proper Wrench to Use on the FORD CAR or TRUCK for speed and Efficiency.

Battery Bracket Bolt and Nut	7/16"	Hex.	1118-	1820-	144- 4218
Battery Clamp Bolt Nut	7/16"	Hex.	1220-	1122-	2422- 4330
Brake Shoe Support Bolt	7/16"	Hex.		1122-	2422- 4330
Brake Shoe Support Bolt Nut	7/16"	Hex.	365-	2428-	2422- 4218
Brake & Reverse Support Bolt Nut	7/16"	Hex.	1118-	1820-	144- 4218
Camshaft Lock Nut	1 1/16"	Oval			450-435X
Camshaft Bearing Set Screw	7/16"	Hex.	1118-	1820-	144- 4218
Carburetor Flange Bolt and Nut (All Models)	7/16"	Hex.			4418
Clutch Pedal Support Bolt	7/16"	Hex.	1118-	1820-	144- 4218
Clutch Lever Screw	7/16"	Hex.	2018-	1218-	3118- 6118
Clutch Release Fork Clamp Screw	7/16"	Hex	2018-	1218-	6118- 3118
Crank Case Bolt and Nut	7/16"	Hex.	2028-	1218-	6118- 3118
Crank Case Front Bearing Screw	7/16"	Hex.	6120-	1820-	3120- 4320
Crank Case Arm — Bolt and Nut	7/16"	Hex.	1118-	1320-	144- 4218
Crank Case Cap Screw and Nut	7/16"	Hex.	1118-	1320-	144- 4218
Crank Shaft Bearing Nut	7/16"	Hex.	365-	2428-	2422- 4218
Crank Case Oil Drain Plug	7/16"	Hex.		2830-	4330- 4330
Crank Case Lower Cover	7/16"	Hex.	1214-	4116-	3116- 4320
Cylinder Cover Screws	7/16"	Hex.	1118-	2018-	1218- 3118
Cylinder Cover Cap Screw and Nut	7/16"	Hex.	1118-	144-	1320- 4218
Cylinder Front Cover Cap Screw (Starter Type)	7/16"	Hex.	1320-	144-	4218- 4320
Cylinder Head Cap Screw	7/16"	Hex.	3120-	6120-	4320- 4320
Cylinder Valve Cover Stud Nut	7/16"	Hex.	2118-	6118-	3118- 4218
Cylinder Water Inlet and Outlet Cap Screw	7/16"	Hex.	1120-	1820-	4320- 4320
Coil Box Bolt Nuts	7/16"	Hex	1416-	475-	1116- 4320
Connecting Rod Cap Screw	7/16"	Hex.			4020- 4120
Commutator Case Support Bolt (Cars without Starter)	7/16"	Hex.	1118-	144-	1320- 4218
Commutator Case Support Bolt (Starter Type)	7/16"	Hex.	1218-	2018-	1320- 4320
Controller Shaft Bracket — Bolt and Nut	7/16"	Hex.	1120-	144-	1320- 4320
Dash Bracket to Dash Bolt Nut	7/16"	Hex.	1116-	475-	4320- 4116
Dash Bracket to Frame Bolt Nut	7/16"	Hex.	1320-	1118-	144- 4218
Differential Drive Gear Screw	7/16"	Hex.	1116-	475-	4320- 4116
Differential Case Stud Nut	7/16"	Hex.	1320-	144-	6118- 4218
Drive Shaft Castle Nut	7/16"	Hex.			2830- 4330
Drive Shaft Roller Bearing Cap Screw	7/16"	Hex.	1116-	144-	1320- 4320
Drive Shaft Roller Bearing Housing Set Screw	7/16"	Hex.	1320-	144-	4230- 4320
Engine Base Bolts and Nuts	7/16"	Hex.	1218-	2018-	3118- 6118
Fan Adjusting Screw	7/16"	Hex.	2018-	6118-	3118- 4218
Fan Bracket Bolt	7/16"	Hex.	365-	1124-	2422- 4218
Fender Eye Bolt Nuts	7/16"	Hex.	2224-	1122-	2422- 4330
Flywheel Cap Screws	7/16"	Hex.			4122- 4422
Front Wheel Adjusting Cone	1 1/16"	Oval			436X- 450
Front Spindle Lock Nut	1 1/16"	Hex.			
Front Fender Iron Bolt and Nut	7/16"	Hex.	2018-	1218-	3118- 4218
Front Radius Rod Ball Socket Stud Nut	7/16"	Hex.	1218-	6118-	3118- 4218
Front and Rear Spring Hanger Nuts	7/16"	Hex.	2224-	1122-	2422- 4330
Front Spring Clip Nut (Models after 1921)	7/16"	Hex.	1128-	2428-	2830- 4330
Front Spring Perch Nut	7/16"	Hex.			2830- 4330
Horn Bolt Nuts	7/16"	Hex.	144-	1116-	1416- 4320
Hub Flange Bolt Nut	7/16"	Hex.	2224-	2422-	1122- 4330
Inlet and Exhaust Clamp Stud Nut	7/16"	Hex.	2118-	6118-	3118- 4218
Lamp Bracket Nuts	7/16"	Hex.	2428-	1124-	2422- 4218
Lower Crank Case Cover Screw	7/16"	Hex.	1214-	3116-	4320- 4116
Muffler Head to Frame Bolt and Nut	7/16"	Hex.	1218-	6118-	3118- 4218
Muffler Rod Nut	7/16"	Hex.	842-	1214-	4116- 4320
Magnet Cap Screws	7/16"	Hex.	1118-	1820-	744- 4218
Main Bearing Bolt Head	7/16"	Square			4219X
Piston Pin Clamp Screw	7/16"	Hex.			431X
Radiator Stud Nut	7/16"	Hex.	1118-	144-	1320- 4218
Running Board Bolt Nut	7/16"	Hex.	2116-	1214-	4116- 4320
Rear Axle Housing Bolt and Nut	7/16"	Hex.	1214-	1116-	4320- 4116
Rear Radius Rod Bolt Nut	7/16"	Hex.	365-	1124-	2422- 4218
Rear Fender Iron Bolt Nut (Roadster & Coupe)	7/16"	Hex.	1118-	144-	1320- 4218
Rear Axle Housing Oil Drain Plug	7/16"	Hex.		4330-	2830- 4330
Rear Hub Lock Nut	7/16"	Hex.			2830- 4330
Rear Spring Clip Nut	7/16"	Hex.	2428-	1128-	2830- 4330
Horn Lug Nut	7/16"	Hex.	1128-	144-	4320- 4120
Steering Connecting Rod Ball Socket Bolt and Nut	7/16"	Hex.	2118-	1218-	3118- 4218
Steering Gear Post Castle Nut	7/16"	Hex.	365-	1124-	2422- 4218
Steering Post Bracket Bolt and Nut	7/16"	Hex.	1118-	144-	1320- 4218
Steering Tube Flange	7/16"	Hex.	1214-	3116-	2116- 4119
Spark Plug — Champion X	7/16"	Hex.			4230
Spindle Arm Nut	7/16"	Hex			2830- 4330
Spindle Bolt Nut	7/16"	Hex.	2428-	1124-	2422- 4218
Spindle Body Bolt with Oiler	7/16"	Hex.	2224-	2422-	1122- 4330
Spindle Connecting Rod Bolt Nut	7/16"	Hex.	2224-	2422-	1122- 4330
Spindle Connecting Rod Bolt with Oiler	7/16"	Hex.	2224-	2428-	1122- 4330
Steering Yoke Clamp Bolt and Nut	7/16"	Hex.	2224-	2422-	1122- 4330
Transmission Cover Bolts and Nuts	7/16"	Hex.	1218-	6118-	3118- 4218
Transmission Band Adjusting Nut	7/16"	Hex.			4222X
Transmission Adjusting Screw Nut	7/16"	Hex.			4230
Timer Gear Cover (Starter Type)	7/16"	Hex.	1120-	1220-	1820- 4320
Tire Holder Bracket Bolt Nut	7/16"	Hex.	1116-	1416-	475- 4320
Universal Ball Cap Bolts	7/16"	Hex.	1120-	144-	1320- 4218
Valve Grinding (Long)					4002
Valve under Dash (Short)					4003
Brake Shoe Bolt Nut on Truck	7/16"	Hex.	2830-	865-	2428- 4330
Drive Shaft Tube Flange Bolt on Truck	7/16"	Hex.	2432-	865-	2428- 4218
Differential Case Bolt on Truck — Bolt Head — 9/16", Nut	7/16"	Hex.	2422-	2234-	1220- 4330
Hub Flange Bolt Nut on Truck	7/16"	Hex.	2422-	2224-	1220- 4330
Hub Brake Expander Nut on Truck	7/16"	Hex.	2830-	365-	2428- 4380
Rear Axle Housing Drain Plug on Truck	7/16"	Square			4319- 4219
Rear Axle Housing Cap Bolt on Truck	7/16"	Hex.	2422-	2428-	865- 4218
Rear Spring Clamp of Truck	7/16"	Hex.	186-	144-	1118- 4218
Rear Radius Rod Bolt Nut on Truck	7/16"	Hex.	365-	2428-	2830- 4330
Rear Spring Hanger Nut on Truck	7/16"	Hex.	865-	2428-	2830- 4330

EQUIPMENT FOR FORD CARS

MILWAUKEE TIMER FOR FORD

The World Famous Milwaukee Timer now has a Bakelite shell, absolutely shortproof.

Bone dry Egyptian fiber race pressed to a tight fit in the Bakelite case. Remains satin smooth for thousands of miles.

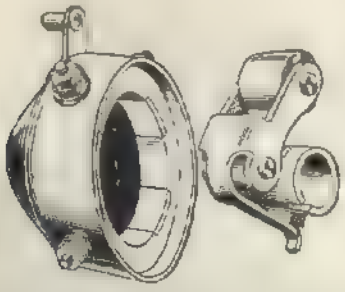
Fine steel contact points with welded stems. Locked in position. Extra thick throughout for longest life.

First roller type timer with a Bakelite case. Makes the Milwaukee absolutely "shortproof." Puts it in a class with high priced ignition units.

Famous Milwaukee Timer Brush Assembly. Two bronze castings, fitted and gauged for accurate alignment. Hardened steel roller, finished like a ball bearing.

Milwaukee Timer for Ford	complete	$2 00
Milwaukee Brush Assembly	each	70
Milwaukee Case only	"	1 34

M. & M. TIMER FOR FORD



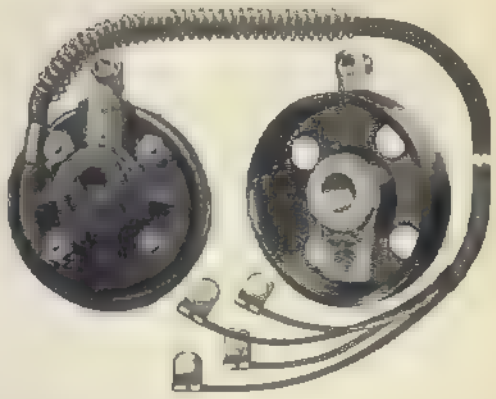
M. & M. Timer for Ford. The commutator is a stamped steel shell, tumbler finished. The best grade of American bone fiber is pressed in place properly fitted with steel segments and terminal screws electrically welded together. The fiber and segments form a true race and are finished perfectly smooth. This case and brush assembly are equal to the best grade of timers on the market.

The brush assembly is made up of a stamped steel hub and clevis of standard design. The roller a screw machine product made from SAE 1120 steel. The parts are assembled with bright finished rolled rivets. The roller and roller pin are hardened and ground.

The Bull Dog timers are packed in separate two-color cartons, 100 to shipping case, shipping weight, 65 pounds per case. Retainer rings and caps are not furnished.

M. & M. Timer for Ford	complete	$1 00
M. & M. Brush Assembly	each	35

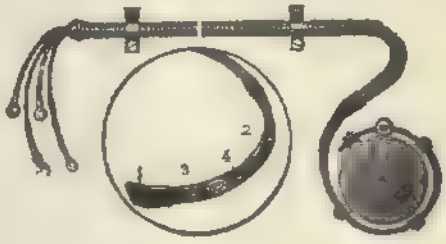
BELL TIMER AND WIRE CABLE



Bell Timer and Wire Cable for Ford is the only high grade ignition system which makes a complete electrical circuit on copper with Bakelite as insulation. It is made dust, oil and water proof by special washers and will last the life of the average Ford car.

Bell Timer and Cable	complete	$3 00
Bell Timer Rotor	each	50

POPULAR TIMER WIRE ASSEMBLY FOR FORD



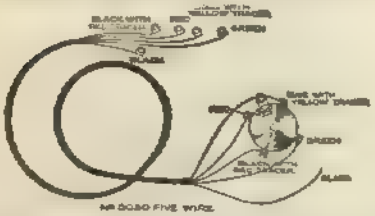
No. 200 Popular Timer Wire Assembly for Ford Cars. Built up of flexible oil-and-water proof metal hose, containing the four New Code insulated wire (250-Volt Underwriters' Laboratories Inspected) and has the usual spark-coil terminals at one end. At the timer end the cords are enclosed in a fabric sleeve, the wires being permanently connected at the factory to eyelet terminals spaced to fit the timer terminal studs. The fabric is treated and sealed by a special chemical process, making it absolutely impervious to the action of oil, water or dirt, yet leaving it perfectly flexible. Instructions with each assembly provide for the extra wires required for cars equipped with starters or generators.

Packed in an attractive two-color carton with complete directions for installing. Approved by the Underwriters Laboratory.

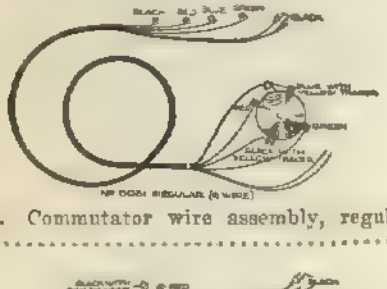
No. 200 Popular Timer Wire Assembly....complete $1 50

WIRING ASSEMBLIES AND CABLE FOR FORD

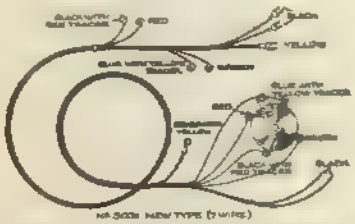
WIRING ASSEMBLIES FOR FORD



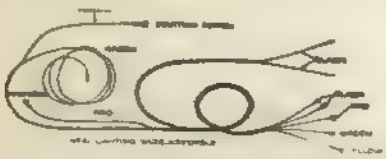
No. 5030. Commutator wire assembly, 5-wire..each $0 70



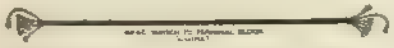
No. 5031. Commutator wire assembly, regular 6 wire. Each $0 70



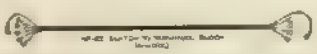
No. 5031N. (317A light gauge.) Commutator wire assembly, new type 7 wire .....each $1 00
No. 5031N. (317B heavy gauge.) Commutator wire assembly, new type 7 wire.....each $1 20



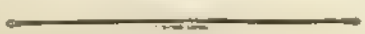
No. 41. Lighting wire assembly, all models 1919-1923 Each $0 90



No. 42. Assembly-Switch to terminal block, 6 wire, for sedan. Each.....$0 75
No. 427. Assembly Switch to terminal block, 7 wire, for sedan. Each.....$1 00

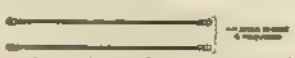


No. 43. Assembly-Switch to terminal block, 6 wire, for touring, coupe or torpedo.....each $0 70
No. 437. Assembly-Switch to terminal block, 7 wire, for touring, coupe and torpedo.....each $1 00



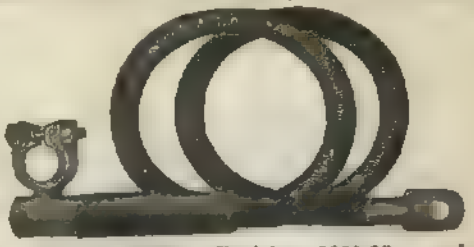
No. 5026. Spark plug wire, long.....each $0 10

No. 5027. Spark plug wire, medium.....each $0 10



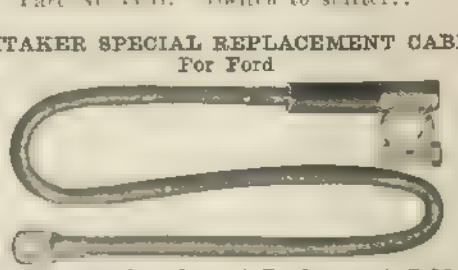
No. 5028. Spark plug wires, short, two required..each $0 10
Spark Plug Wires .....per set of 4 40

BATTERY CABLES FOR FORD, 1919 TO 1925, INCL.



No. 29.	Part No. 5046	Positive, 1920-25...each		$1 15
No. 25.	Part No. 5[illegible]	Positive, Truck.....	"	1 15
No. 34.	Part No. 5047..	Positive, 1919-20...	"	1 25
No. 20.	Part No. 5048..	Negative	"	1 00
No. 13.	Part No. 5049.	Negative, 1920-24..	"	90
No. 21.	Part No. 5049B.	Negative	"	50
No. 11.	Part No. 5050.	Negative, 1919-20..	"	75
No. 27.	Part No. 5051.	Switch to starter..	"	1 00

WHITAKER SPECIAL REPLACEMENT CABLES For Ford



No. 29RL Whitaker Special Replacement Cable. For Ford. The special alloy of metal used in the clamp terminal gives better contact and will not corrode when exposed to acid fumes. The copper lug is coated and soldered securely to cable. Made of 2 B & S gauge starting cable, which is composed of 133 strands No. 23 copper, tinned wire. The $\frac{3}{64}$ in. rubber wall insulation is vulcanized to the wire so insulation will not slide on wire. Cable complete with loom to replace Ford part No. 5046.
No. 29RL Replacement Cable, for Ford. Pos..each $1 50

No. 13RL Whitaker Special Replacement Cable. For Ford. Same type of clamp terminal as on No. 29RL. The cable is of No. [illegible] without insulation, thus making it extra flexible. Cable complete as pictured to replace Ford parts Nos. [illegible].
No. 13RL Replacement Cable, for Ford. Neg..each $1 00

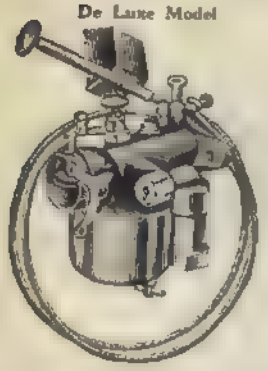
WHITAKER REPLACEMENT CABLE ASSORTMENT

No. 1 Whitaker Replacement Cable Assortment. This assortment contains 9 assorted for Ford, 9 Dodge, 7 Chevrolet, 5 Buick, 4 Overland, 3 Maxwell, 2 Willys-Knight, 1 Star, and 1 Hupmobile.
No. 1 Replacement Cable Assortment.....each $44 90

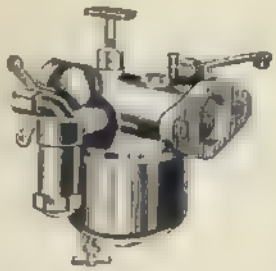
EQUIPMENT FOR FORD CARS

KINGSTON CARBURETORS FOR FORD

De Luxe Model



Model L4-K



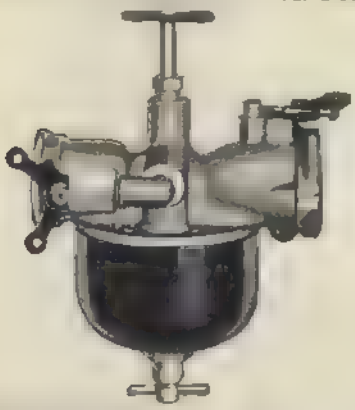
De Luxe Model for Ford. In this carburetor is embodied the new fuel cleaner and exclusive Kingston feature. It insures a saving of fuel functions perfectly under all conditions, gives a more flexible motor with quicker pick up and greater speed, and gives more power on the hills. Also has steering column control.

De Luxe Model for Ford ....each $8 00

Model L4-K Carburetor. The standard cast iron Kingston Carburetor for Ford, fitted with fuel cleaner

Model L4-K Carburetor... . ...h $4 60

HOLLEY CARBURETOR FOR FORD



Model N-H Holley Carburetor for Ford. It is provided with an intake shutter, and in addition has a primary air passage, so designed that the cold fuel is lifted off the nozzle into the main air stream, thus insuring ease in starting. The inlet needle seat is detachable.

Has fewest possible moving parts.

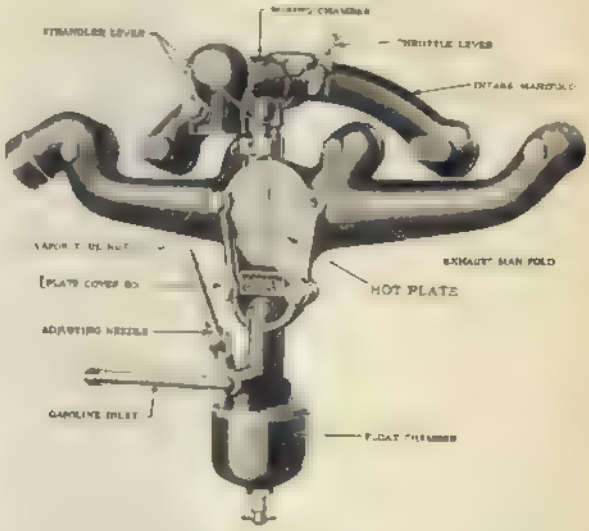
Model N-H Holley Carburetor for Ford.....each $4 50

UNIVERSAL CARBURETOR CHOKER SPRING

Universal Carburetor Choker Spring. Installed instantly and stays put. Fits all models Holley and Kingston carburetors. Hits directly at a difficult service job and handles it satisfactorily. It snaps into place instantly and is a big help in rendering fast service to Ford drivers.

Universal Carburetor Choker Spring.....each $0 15

HOLLEY VAPORIZER FOR FORD

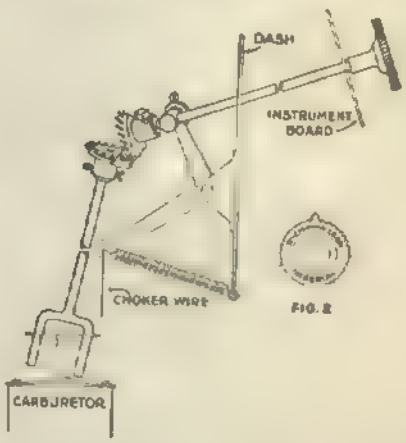


No. 705 Holley Vaporizer for Ford. Vaporization is caused by bringing the liquid fuel to a hot plate made of thin sheet steel, which covers a large opening in the exhaust manifold. The Hot Plate gets very hot almost instantly. Gives smooth engine operation, positive acceleration, eliminates crankcase dilution, a 25 per cent reduction in fuel consumption, one adjustment and easily installed. Overcomes the problem of the present-day fuel.

No. 705 Holley Hot Plate Vaporizer for Ford...ea. $15 00

IMPERIAL CARBURETOR AND CHOKE CONTROL

For Ford

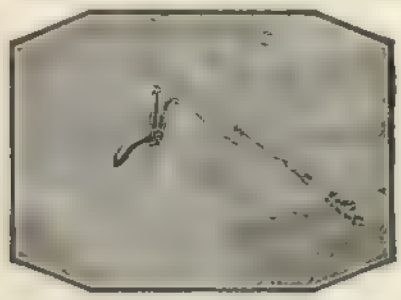


No. 32R Imperial Carburetor and Choke Control. The operating rod is rotated to adjust carburetor and pulled out to operate the choke. For all model Ford cars. The operating rod goes through the hole which the regular Ford choke occupies in the instrument board. Consists of operating rod, indicator handle, lug for connecting choker arm, gears and full length carburetor fork rod, all complete ready to install.

No. 32R Carburetor and Choke Control...complete $1 25

ACCELERATORS AND FOOT RESTS

WILLIAMS SENIOR ACCELERATOR FOR FORD



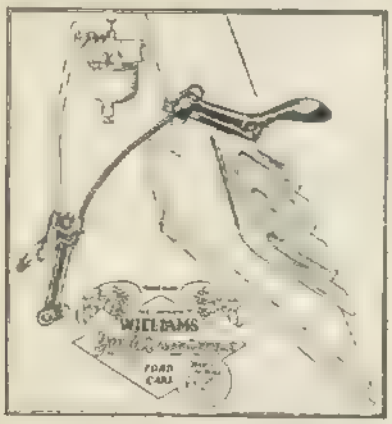
Williams Senior Accelerator with its exclusive features of mechanical perfection gives a direct, positive and even foot control of a Ford car, leaving the hands entirely free for steering and signaling. Simple to install with only three quick connections. Not necessary to alter a single nut, screw or bolt of the Ford chassis. Adjustable to all types of Ford cars.

Williams Senior Accelerator.....complete $2 50

PARTS FOR WILLIAMS SENIOR ACCELERATOR

No. 1, Aluminum Pedal only	each	$0 55
No. 2, Aluminum Base complete	"	65
No. 3, Foot Throttle Control Wire	"	25
No. 4, Hand Throttle Pull Rod complete, including flexible tubing	"	95
No. 5, Throttle Slide complete	"	30
No. 6, Throttle Closing Spring	"	25
No. 7, Rod Adjusting Nut	"	20

WILLIAMS JUNIOR ACCELERATOR FOR FORD



Williams Junior Accelerator is easily installed, simple in operation, sturdily constructed, and has no complicated parts. Installation is accomplished by disconnecting the regular Ford pull rod at the hand throttle, and clamping this accelerator in place. Action on the carburetor is obtained through a spring steel control wire and the regular Ford pull rod. The accelerator does not interfere with the operation of the hand throttle

Williams Junior Accelerator. . ... complete $1 50

PARTS FOR WILLIAMS JUNIOR ACCELERATOR

No. 12, Pedal and Base complete	each	$0 50
No. 13, Slide, Rod and Spring complete	"	75
No. 14, Cable	"	25
No. 15, Wire	"	25

EWALD FOOT ACCELERATOR FOR FORD

The Ewald Foot Accelerator works independently of the hand throttle. Saves gasoline by keeping the engine from racing. Insures the maximum of safety as the hands are free to operate steering wheel, brakes, etc. Very easy to install. Guaranteed for the life of the car.

Ewald Foot Accelerator for Ford.....complete $0 80

STANWOOD ACCELERATOR FOOT REST

Stanwood Accelerator Foot Rest. Indented rubber roller vulcanized to a steel tube which revolves on a spindle. Adjustable to various heights. Prevents unintentional rapid acceleration and also relieves the muscles of the leg.

Stanwood Accelerator Foot Rest.....each $1 60

ADAMS ADJUSTABLE FOOT RESTS

No. 105 Senior

No. 110 Junior

No. 105 Senior Foot Rest. Permits driving in comfort all day without foot burn or leg strain. Protects shoes and floor boards. It is adjustable to all size people and cars, and makes possible an easy, even pressure that means a smooth start and even acceleration over the roughest roads. Substantially made of highly polished aluminum, with best quality rubber inserts. Steel parts treated to resist rust. Fits all cars having an accelerator.

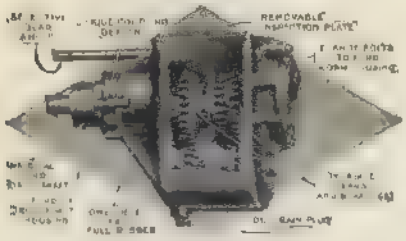
No. 105 Senior Foot Rest.....each $3 50

No. 110 Junior Foot Rest. Is made of highly polished aluminum and is corrugated instead of having the rubber insert. It has four adjustments for height as well as the adjustable heel. Fits all cars having an accelerator. Easily and quickly installed without alteration.

No. 110 Junior Foot Rest.....each $1 25

EQUIPMENT FOR FORD CARS

LINCOLN UTILITY TRANSMISSION FOR FORD TRUCK



Lincoln Utility Transmission For Ford Truck. Uses original Ford drive shaft without cutting the frame. Not a single bronze bushing used any where in the transmission. Over size gears and bearings with unusual factors of safety. One piece cast case is scientifically braced against strains. Selective gear changes possible under all road conditions. Power increased 100%, Speed increased 50%. Easily installed.

Lincoln Transmission .... complete $110 00

CORK FELTBAK TRANSMISSION LINING SET

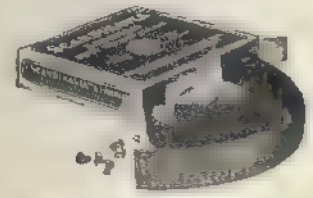
Advance Cork Feltbak Transmission Lining Set. Stops Ford chatter permanently. Feltbak lubricates itself and softens brake action. Has a felt cushion between the band and the lining. Embodies cork-in-fabric principle for friction and in addition has 21 oil holes in each band for lubrication to prevent burning. Holds oil like a wick.

Per Set

Advance Cork Feltbak Lining Set, 1925 and previous..$2 75

Advance Cork Feltbak Lining Set, 1926 ....2 75

SCANDINAVIA TRANSMISSION LINING SET



Scandinavia Transmission Lining for Ford Cars is made of the best long staple cotton, interwoven into a close compact mass and then impregnated with special compound.

Sets for old model car consists of three bands 2¼" long, 1⅛" wide, 5/32" thick. Sets for 1926 improved model car consists of two bands for speed and reverse 2¼" long, 1⅛" wide, 5/32" thick and one for brake 2⅜" long, 1 25/32" wide, 5/32" thick.

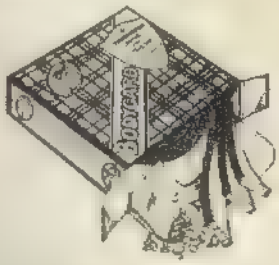
Scandinavia Lining Set for old models.....per set $2 25

Scandinavia Lining Set for 1926 model..... " " 2 35

Scandinavia Lining, 1⅛" wide .....per foot 36

Scandinavia Lining, 1 25/32" wide ..... " " 46

ATLAS BODYGARD TRANSMISSION LINING SET



Atlas Bodygard Transmission Lining Set. For Ford. It is made of cabled cotton yarn. Each cord in the warp is made of four sets of three-ply yarn twisted and interlocked to make a cord of unusual strength and wearing capacity. Packed in a box with necessary rivets.

Atlas Bodygard Transmission Lining Set for 1925 and previous models .....per set $2 50

Atlas Bodygard Transmission Lining for 1925 and previous models .....per foot $0 40

Atlas Bodygard Transmission Lining Set. For 1926 models .....per set $2 80

Atlas Bodygard Transmission Lining for 1926 models, 1¾ inches wide .....per foot $0 55

M. & M. COTTON TRANSMISSION LINING SET

M. & M. Cotton Transmission Lining Set. Impregnated with special wear-resisting composition. Consists of 3 pieces of woven lining and rivets necessary for attaching.

M. & M. Cotton Transmission Lining Set....per set $1 00

GOODRICH BRAKE SHOES FOR FORD

Goodrich Unlined Brake Shoe for Ford Cars. Is made of a good substantial grade of gray iron. Neither too hard nor too soft. Just right for the maximum of wear that can be expected from this type of shoe.

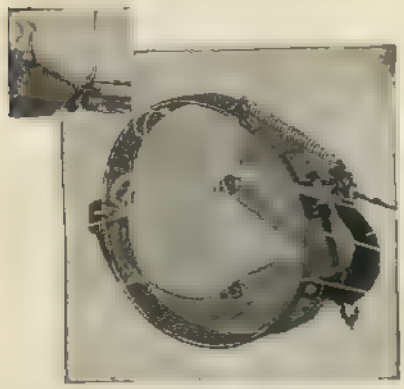
Goodrich Unlined Brake Shoe for Ford.... . .each $1 50

Goodrich Lined Brake Shoe is made in two pieces. The lining is of the best quality, with copper inserted wires. The two-piece construction, fitted with the brake lining permits of much longer wear and service than the one-piece unlined shoe, and is recommended for Ford cars that see the hardest service.

Goodrich Lined Brake Shoe for Ford.....each $2 00

BRAKES FOR FORD CARS AND TRUCKS

LINCOLN BRAKES FOR FORD



Lincoln Brakes for Ford accomplish a smooth, quick and positive stop because they apply the braking power direct to the rear wheels. No change is made in the original Ford design. Lincoln brakes are simply auxiliary brake bands that fit over the Ford drums and connect with the Ford foot pedal. It is a simple and easy installation to make—and once made it will "stay put" for a long time without adjustment

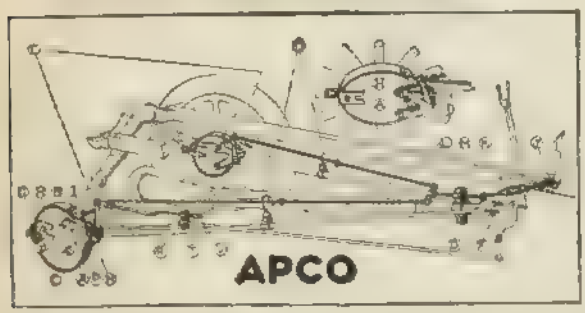
The Ford transmission brake is merely loosened so that it is in-operative. Lincoln brakes are perfectly equalized so that the lightest pressure on the pedal is reflected the same on each band. A demonstration will prove this conclusively. Unusual ease of operation makes the Lincoln brake especially desirable for the woman driver

Only the regular Ford tools are needed in making the installation of Lincoln brakes, as there are no holes to drill—no cutting, filing or fitting. Being accurately built by the most skilled mechanics, working with the highest quality of material, complete and continuing satisfaction is assured.

These brakes are for standard Ford chassis. If wanted for a car with extended frame, specify wheel base when ordering.

Lincoln Brakes. For Passenger Car ..per set $16 00
Lincoln Brakes. For One-Ton Truck .. " " 25 00

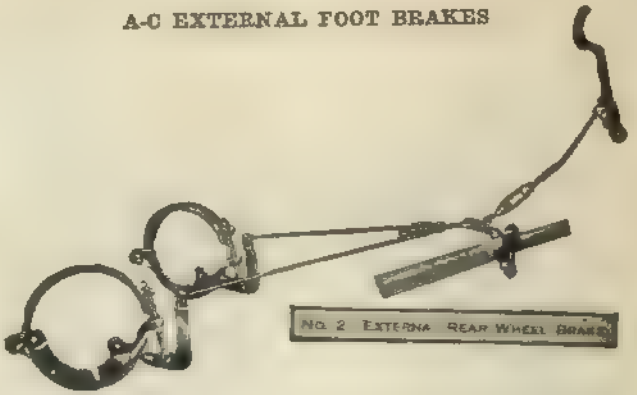
APCO REAR WHEEL BRAKES FOR FORD



No. 11 Apco Rear Wheel Brake. An external foot brake which eliminates the destructive and annoying chatter of the regular Ford brake. Has bronze bushings, drop forgings, rods instead of cable, quarter-inch lining, double adjustments, equalizers, etc. Weight, one complete set, packed in heavy box, 12 pounds.

No. 11 Apco Rear Wheel Brakes, up to 1926 .....per set $12 50
No. 10 Apco Rear Wheel Brakes, 1926 cars. " " 12 50

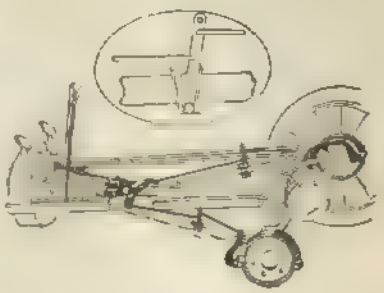
A-C EXTERNAL FOOT BRAKES



A-C External Foot Brakes. Deliver the braking power direct to the rear wheels, taking all the strain off the rear axle shaft, gears, keys and transmission bearings. A-C Brakes will permit overloading 100 per cent above normal, without damaging the rear axle and will prevent skidding. Guaranteed against all imperfections. They do not interfere with your regular equipment or any shock absorbers.

For Model T Car.....per set $14 00
For One-Ton Truck ..... " " 20 00

CLEVELAND EXTERNAL BRAKES FOR FORD



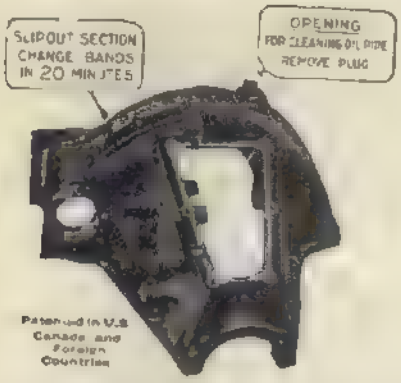
Cleveland External Brakes for Ford. Give instant and certain control on all hills and at all speeds. They are of the external-contracting type and operate from the regular Ford brake pedal. These brakes function evenly on the rear brake drums, reducing tire wear to a minimum and overcoming any tendency to skid. These brakes, for Ford touring cars and trucks, are the outgrowth of a positive and well defined need. They bring strength to your Ford at the point where strength is needed.

One of the outstanding features of the Cleveland Brake, which places it beyond all competition, is the perfect acting equalizer. This member affords an absolute equal pull on both brakes as well as an instantaneous release.

Model T, for roadster and touring.....per set $16 00
Model T-H, for coupe, tudor, sedan and half ton truck ..... " " 25 00
Model TT, for one-ton truck..... " " 24 00

EQUIPMENT FOR FORD CARS

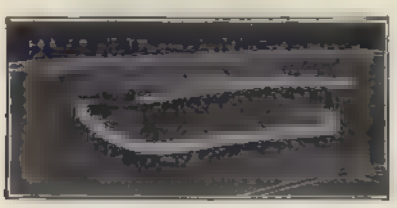
HUDCO-FORD TRANSMISSION COVER FOR FORD



Hudco-Ford Transmission Cover. For all Ford cars and trucks. Replaces the new or old style cover without alteration to the Ford car or truck. Transmission bands can be changed in a few minutes. The old way means dismantling the starter, unbolting and removing the entire transmission cover, tying up the car all day. The new way with the Hudco-Ford it is a 20-minute clean job costing but a few cents, no tying up of the car, can be done on the road. Positive oiling feature incorporated in Hudco-Ford. It is interchangeable with the Ford cover, fitting perfectly.

Hudco-Ford Transmission Cover ..... each $10 00
Hudco-Ford Felt Gasket (for Slip-out Section) " 25

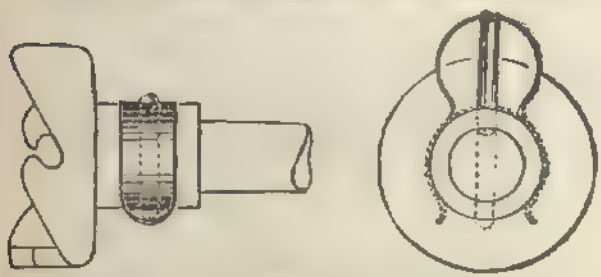
PROTECT-A-VENT FOR FORD



Protect-A-Vent for Ford coupes and sedans, keeps rain and dust and cold from coming through the cowl ventilator. Prevents rattling of loose ventilators. When ventilator is open, Protect-A-Vent is unnoticed. It is specially treated, pliable rubber, made to resist weather and is black, the same color as the cowl cush

Protect-A-Vent for Ford ....each $0 35

"JIFFY" CRANK RATCHET PIN FOR FORD



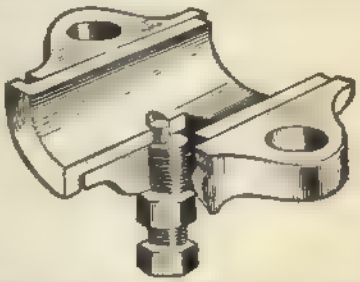
The "Jiffy" Crank Ratchet Pin slips into place and a steel spring, which comes already riveted to the pin, clamps around the shaft and holds it. Never comes out unless you pull it out; never works loose.

"Jiffy" Crank Ratchet Pin for Ford..... ..each $0 30

RATIO GEARS FOR FORD

Ratio 2¾ 1. Gear, 37 teeth; pinion, 13 teeth. Increases speed 42% ..... per set $11 00
Ratio 3 1. Gear, 39 teeth; pinion, 13 teeth. Increases speed 21% ..... per set $11 00
Ratio 4:1. Gear, 40 teeth; pinion, 10 teeth. Increases power 15%. For trucks and closed cars. per set $11 00
Ratio 4.2:1. Gear, 42 teeth; pinion, 10 teeth. Increases power 20%. For trucks.....per set $11 00

C-A ADJUSTABLE CENTER BEARING CAP FOR FORD



C-A Bearing Cap. An adjustable bearing cap that eliminates bearing play in Ford crankshaft in either direction. Very easily installed. Full and simple instruction furnished with each cap.

C-A Bearing Cap..... ....each $3 75

COUNTERBALANCED CRANKSHAFT FOR FORD

Counterbalanced Crankshaft for Ford motors. Is a one-piece drop forged. Counterbalances are not welded to or bolted on the crankshaft, but are a part of it; for this reason they cannot break and fly off or loosen. Eliminates motor noise and vibration. Develops maximum power without increasing fuel consumption. Smooths out cylinder explosions. Reduces wear on motor. Makes riding smoother. Interchangeable with present crankshafts.
Counterbalanced Crankshaft, for Ford motors.each $19 00

SPRING SHACKLES FOR FORD

Spring Shackles for Ford These new type shackles are especially designed for convenience in using oil and grease guns. Tapped for ⅛-inch pipe fitting.

No. 1402 Spring Shackle, front ..... each $0 80
No. 1403 Spring Shackle, rear ..... " 80

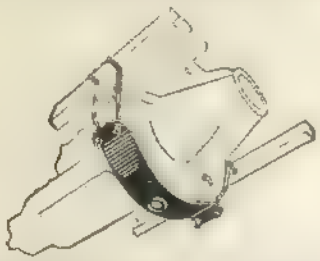
EQUIPMENT FOR FORD CARS

TRUSKO TRANSMISSION BRACE FOR FORD

Trusko Brace for Ford Car and Truck. Is an easily attached support for the rear end of the transmission of Fords that eliminates the cause of most of the vibration. No holes to be drilled. Can be installed in 10 minutes by any one. Trusko consists of three parts, instantly assembled and quickly set in position. The yoke—a steel plate correctly formed—fits up snugly under the transmission case, just ahead of the ball cap flange. This is hung from the frame sides by two hooked brace rods.

Trusko Brace for Ford Passenger Car.....each $2 00
Trusko Brace for regular Ford Truck.....“ 2 50
Trusko Brace for Ford Truck, equipped with Warford Transmission.....each 2 50

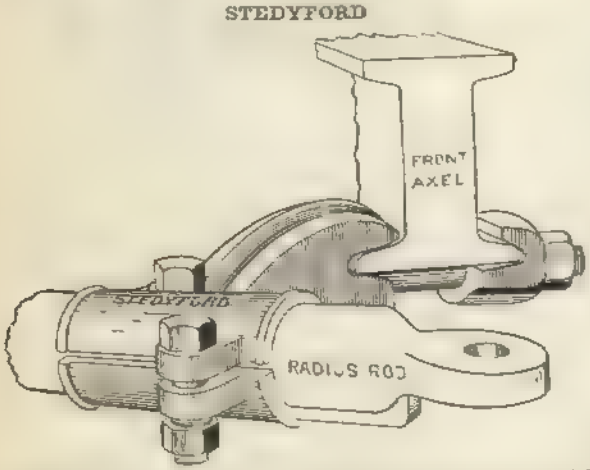
VICTORY MOTOR SUPPORT FOR FORD



Victory Motor Support. Fits all models Ford cars and trucks. A hammock type support composed of a pressed steel plate fitting under the Ford crankcase and attached by four hook bolts. Prevents crystallization of crankcase walls and arms. Nothing to drill or remove. Easily installed.

Victory Motor Support.....each $2 50

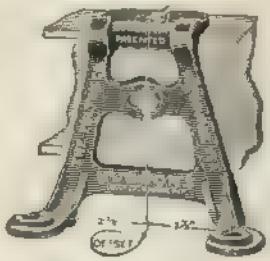
STEDYFORD



Stedyford grips the radius rod firmly, connecting with the front axle in such a manner which makes it semi-rigid, permitting of a free movement of the axle up and down, yet positively preventing any tilting or vibrating of the axle, assuring a smooth even movement of the car under all conditions.

Stedyford.....per set $4 50

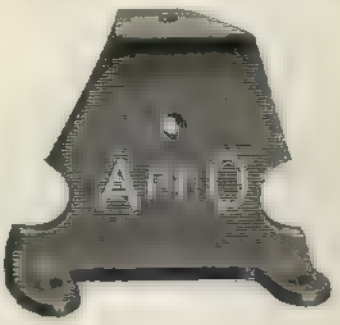
HUDSON'S CRANKCASE REPAIR ARM



Model B Hudson's Crankcase Repair Arm for Ford is different from any other. Fits perfectly either side of Ford crankcase without drilling, filing or forcing. Supports the motor properly and holds it in perfect alignment. This is made possible by exclusive Hudson features—two holes in top of arm and elongated hole in center. These features are patented. Designed to meet a condition actually existing in the Ford frame and crankcase. Because of its perfect fit, the Hudson's Arm insures better jobs with less labor, more profit and better satisfied customers. Made of tested, malleable iron, accurately drilled. Reinforced at all points of strain.

Model B Hudson's Crankcase Repair Arm.....each $1 50

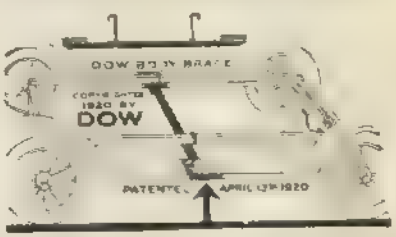
APCO CRANKCASE ARM FOR FORD



No. 30 Apco Crankcase Arm. Replaces broken Ford crankcase arms in a few minutes, without taking motor down or welding of any kind. Made from boiler plate steel, ¼ inch thick, finished in black enamel.

No. 30 Apco Crankcase Arm.....each $0 75

DOW BODY BRACES FOR FORD



No. 1 Body Brace. Made of 1½x1½x¼-inch angle with ½-inch round steel hooks and 6x6x1-inch oak blocks. Finished in black enamel. Easily installed

No. 1 Body Brace.....each $3 00

No. 2 Body Brace. Somewhat lighter than No. 1, with 6x1x1½-inch oak blocks.

No. 2 Body Brace.....each $2 50

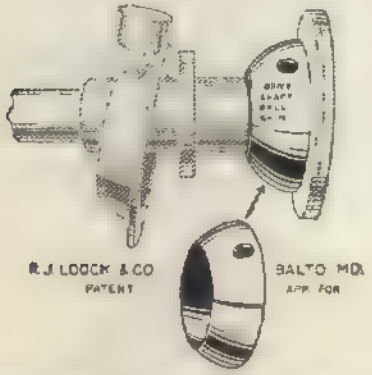
EQUIPMENT FOR FORD CARS

HUSKY SLIP-ON BODIES

Husky Slip-On Bodies for Ford. Hardwood throughout. Sanded, primed and heavy black glossy varnish all over. Only genuine malleable and drop forge irons that do not break or bend. Drop end gate with steel straps over top. Panel lifts to get to battery box. Reinforced in all corners with steel. Original front end construction makes perfect fit with roadster. Made in two sizes, 54 inch and 60-inch only. Other dimensions are 36 inches wide, 8 inches side and end, 5-inch flare board.

Husky Slip-On Bodies, 54 inch ..... each $12 00
Husky Slip-On Bodies, 60 inch ..... " 13 00

DRIVE SHAFT UNIVERSAL BALL SHIM



No. 17 Drive Shaft Universal Ball Shim for Ford. A lightning ball shim should always be used when relining bands and overhauling rear if cap is loose on ball.
No. 17 Ball Shim for Ford.....each $0 25

M. & M. FIBRE DOOR PANELS FOR FORD

M. & M. Fibre Door Panels for Fords. Are tough and strong. Same material as original equipment on new Fords. Reinforced with metal around handle opening. Put up one set in a package.

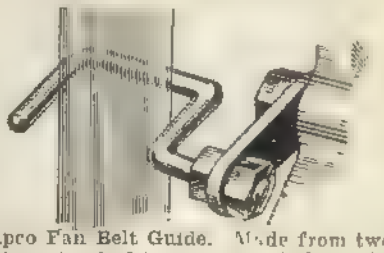
		Per Set
No. 579	5-piece fibre panel set, not bound, no tacks	$1 65
No. 591	Right Front Panel ..... each	30
No. 592	Right Rear Panel. ..... "	40
No. 593	Left Rear Panel. ..... "	40
No. 594	Left Front Panel. ..... "	40
No. 595	Front Dash Panel ..... "	15

M. & M LEATHER FAN BELTS

M. & M. Leather Fan Belts. A special tannage is proof against oil, heat, water and grease. Does not fray or rot or harden. Stitched two rows at lap. The laps are smooth and well made to insure silent and smooth operation and strength equal to any other part of the belt.

Gear	Make	Size	Each
11	Ford Model T, 1917-1921	[illegible]	$0 60
12	Ford Model T, TT, 1917	[illegible]	75

APCO FAN BELT GUIDE



No. 36 Apco Fan Belt Guide. Made from two pieces of steel, and it is attached to an engine bolt as shown in the illustration. The fingers keep the belt in its correct position and prevent it from coming off. Each one is packed in a box and weighs two ounces.
No. 36 Apco Fan Belt Guide, up to '26 (Fords).each $0 15

RIMS FOR FORD

Type Rim and Fellow	Model and Year	Rim Size	Each
Kelsey 88 C	Car 1919	[illegible]	$1 50
Hayes 100 C	Car [illegible]	[illegible]	1 50
Firestone G, SS	[illegible], 1923	[illegible]	1 50
Kelsey 119 SS	Truck, 1919	[illegible]	3 60
Hayes 110 SS	Truck, 1919	[illegible]	2 50
Kelsey 113 SS	Truck, 1919	[illegible]	2 50
Kelsey 113 SS	Truck [illegible]	[illegible]	2 50

Parts for Above Rims

Bolts

No.	Description	Each
B-60	3½-inch Firestone Hayes Kelsey 88, used with N-2	$0 05
B-63	4½-inch Hayes Kelsey 113 119 120 12, used with N-2 10	12

Nuts

N-2	Kelsey	05
N-9	Hayes-Firestone	06

Wedges and Clamps

C-16	Kelsey 88, used with B-60	15
C-16-S	Kelsey 88, used with B-60	07
C-17	Kelsey 121-125-130, used with B-63	25
W-44	Firestone K, used with B-190	15
C-102	Carrier Clamp	15
C-103	Carrier Clamp	15

BIMEL REPLACEMENT WHEELS

BIMEL PLAIN CLINCHER WHEELS

For Ford Cars

Plain Clincher Wheels for Ford Cars. 30x3 and 30x3½ Front and Rear, wood felloe. Wheels packed 10 to the crate.

Plain Clincher Wheels for Ford Cars.....per wheel $4 00

BIMEL UNIVERSAL REPLACEMENT WHEELS

Universal Replacement Wheel. Interchanges with all present and past makes of demountable wheels for Ford. Takes no special fittings of any kind and no alterations. Has steel felloe. Guaranteed all first class Hickory and with an excellent paint job highly varnished.

Will also fit any style of rim used on Chevrolet 490 and Overland 4 cars. Oversize 31x4 tires will fit this wheel. This wheel takes Kelsey, Hayes, Firestone, Standardized, Rubsam and many other rims without alterations or special fittings.

Universal Replacement Wheel.....per wheel $3 50

Balloon Replacement Wheels for Ford. Comes bored to fit Ford hubs and with bolt holes drilled. These are single wheels only—no rims or rim fittings are furnished.

Type FD Wheel. Takes any rim used by Ford Company on factory balloon equipped wheels. Takes Bimel attached lug, 28x3½ balloon rim.

Type FS Wheel. Takes Firestone 28x3½ balloon rim.

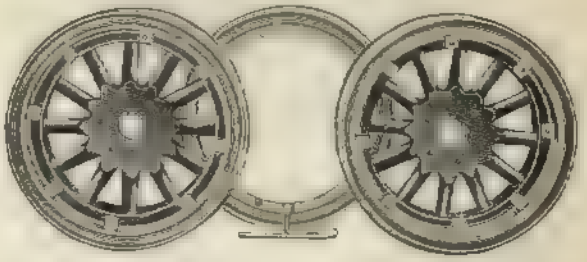
Type JX Wheel. Takes Jaxon 28x3½ balloon rim.

Can be had with 1¾ in. bore suitable for boring out to fit Ford, Chevrolet, Overland, Star and Gray. Specify FDI, FSI, JXI if wanted that way.

Balloon Wheels. Black varnish.....per wheel $4 00
Balloon Wheels. Natural varnish..... " " 4 30

BIMEL DEMOUNTABLE WHEELS

For Ford Trucks



Demountable Wheels for Ford Trucks. Rear—30x5. Crated set includes two wheels, three rims, wedges, felloe bolts and wrench. Painted black. Replaces present equipment for Ford. Also furnished in 32x4½ size.

Demountable Wheels for Ford Trucks.....per set $26 00

BIMEL DEMOUNTABLE WHEELS

For Ford Cars

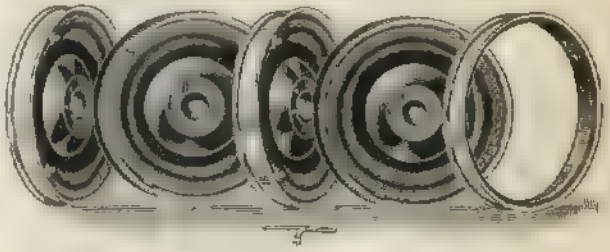
Demountable Wheels for Ford Cars. [illegible] Set comprises four wheels with rims, one extra rim, one wrench, bolts and nuts.

Description: Natural or black finish; hickory spokes, 1¼-inch, 12 to wheel; steel felloe type, and are furnished with Cleveland welding or Firestone rims.

Demountable Wheels For Ford Cars.. .per set $25 00

BIMEL DISC WHEELS

For Ford, Chevrolet 1924 and Overland



Bimel Disc Wheels for Ford. Standard Balloon Type wheels for Ford are made to exact size to fit hubs now on the car. No fitting, no filing whatever. Complete with 28x3½ rims, taking 4.40x21-inch or 4.50x21 inch tires.

	Complete With Rims, Less Hubs & Drums	Complete With Rims, Hubs & Drums
Bimel Disc Wheels For Ford	$50 00	65 00
Bimel Disc Wheels For Chevrolet 1924	50 00	69 00
Bimel Disc Wheels For Overland	50 00	.....

EQUIPMENT FOR FORD CARS

M. & M. TUBULAR RADIATORS FOR FORD

M. & M. Tubular Type Radiators. A popular type of radiator with some Ford owners. The main features are: Maximum number of continuous brass cross fins. Folded edges of fins add strength and protection to core. Maximum number of large vertical copper tubes, heavily tinned inside and out, making them non-corrosive. Original one-piece drawn tank construction, top and bottom; no soldered seams at vital points. Attached to car with patented underslung cradle which removes all twisting strain on frame or lower tank. Black core.

No. 111 Tubular Type. For 1917-23 Ford.....each $17 00
No. 124 Tubular Type. For 1924-25 Ford..... " 20 00
No. 111 Tubular Type. 1917-23 Ford (less shell).. . 18 25
No. 124 Tubular Type. 1924-25 Ford (less shell). . 21 25

M. & M. HONEY COMB RADIATORS FOR FORD

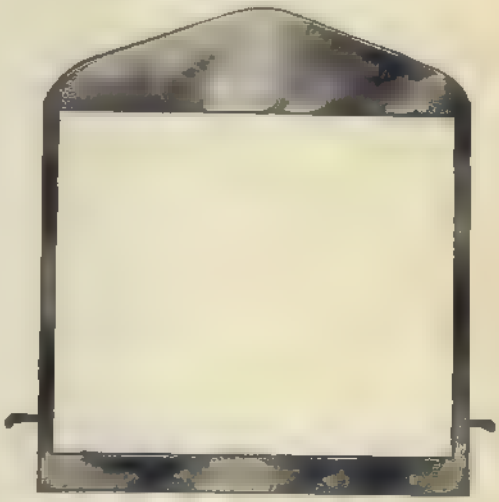
M. & M. Honey Comb Radiators for Ford. Constructed of heavy-gauge brass top and bottom tanks. Heavy iron side brackets. Seamless brass overflow tube. Malleable iron outlet connection, tinned and riveted. Black enamel shell. Special core construction; withstands considerable freezing without injury. Interchangeable with present radiator on Ford cars.

The No. 24 Radiator is 1½ inches higher than the No. 11, and the bottom cross member or apron is not included as part of the No. 24 shell. This apron is attached to frame of car and is not sold as part of the radiator.

No. 11 Radiator, for 1917-23 cars .....each $28 00
No. 24 Radiator, for 1924-25 cars ..... " 20 00
No. 11 Radiator, 1917-23 cars (without shell) ... 29 25
No. 24 Radiator, 1924-25 cars (without shell)..... 21 25

SPECIAL RADIATOR SHELLS FOR FORD

Nickel



Nickel Radiator Shell for all model Fords up to and including the 1925 model. This shell is not a steel one nickel plated but is made of nickel silver which has been highly polished. The woven anti-squeak fabric which is part of the shell prevents any rattling. These shells are a product of high grade workmanship and will greatly improve the appearance of any Ford. The weight of each one complete is about 6 pounds. Packed individually in a fibre carton.

Nickel Radiator Shell for Ford.....each $10 00

Black Radiator Shell for all model Fords up to and including the 1925 models. Is the same high class shell as the nickel only this one is made of steel, black enameled.

Black Radiator Shell for Ford.....each $3 00

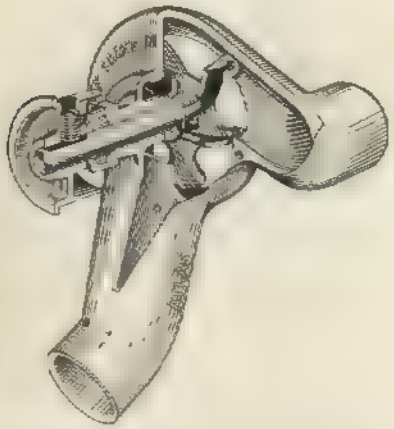
RADIATOR PROTECTING RODS FOR FORD

Radiator Protecting Rods for Ford. There are six protecting rods in all, attached firmly to a cross bar at the top and one at the bottom making the rods a complete unit. The rods are of ½-inch brass tubing level at the top and heavily nickel plated.

Radiator Protecting Rods for Ford.....complete $2 00

WATER PUMPS, PULLEYS AND HOOD FASTENERS

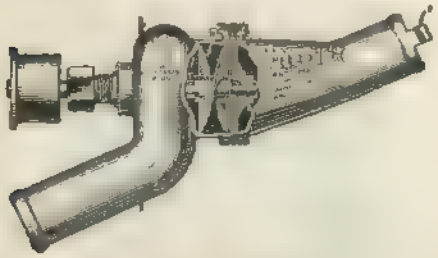
ATLAS CIRCULATING WATER PUMP FOR FORD



Atlas Circulating Water Pump for Ford. Strong, light, efficient and is of the most approved centrifugal design, carefully made of the best materials, and is proportionately efficient to the circulating pumps installed in the highest priced automobiles. Its two bronze bearings insure long life. There is nothing to get out of order or prevent its outlasting the car on which it is placed. It keeps the engine cool under all conditions and at all speeds. It permits using the highest percentage of anti-belt slippage and that will not interfere with circulation prevents steaming and evaporation; keeps the water always below the boiling point.

Atlas Circulating Water Pump for Ford.....each $4 50

U-NEED-IT ROTARY PUMP FOR FORD



U-Need-It Rotary Pump for Ford. A pump that will give a positive flow of water at all speeds of the Ford motor. It is a pump that really pumps; not just an impelling pump but a compelling pump that will not cause belt slippage and that will not interfere with circulation should belt break. It saves alcohol in cold weather because of the perfect temperature at which the solution is kept. Does not bolt onto the side of the block but merely takes the place of the pipe—using the same hose connections and does not interfere with any other attachments. Runs with a loose belt, not a tight belt. Includes Gates belt. Weight, 7½ lbs., packed in separate cartons.

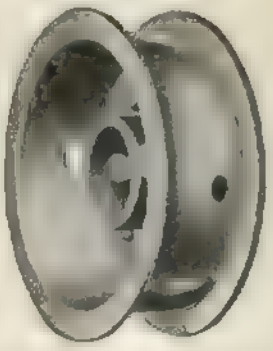
U-Need-It Rotary Pump for Ford.....complete $5 50

Double Flange Pulley.....each 75

Extra Belts. Either leather or Gates Vulco . " 50

MILWAUKEE FLANGED CRANKSHAFT PULLEYS

(For Ford)



No. 1 Milwaukee Flanged Crankshaft Pulley. For Ford crankshaft. Guaranteed to keep the belt on the pulleys under all conditions of the belt. It is made of extra heavy drawn steel throughout. Note the extra thickness of the hub. Fits all 1917 Ford cranksh fts

No. 1 Milwaukee Flanged Pulley.....each $0 75

Milwaukee Flanged Steel Pulleys for Ford Water Pumps. Fits any make of water pump for Ford car.

No. 2. For pumps having ⅝-inch shaft .....each $0 50

No. 3. For pumps having ½-inch shaft..... " 50

IDEAL HOOD FASTENERS

Ideal Hood Fasteners or Locks. Are of the eccentric type which permits the lock to be operated with but one finger and which also permits the use of a much stronger spring than is now used in the present type of hood locks.

No. 83. Fastener Straight Base, all brass, nickel .....each $2 00

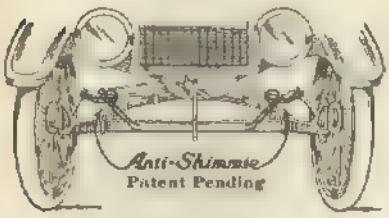
No. 83-O. Fastener, Offset Base, all brass, nickel " 2 00

No. 84-S. Fastener, Offset Base, malleable iron, black ..... " 1 00

No. 84. Fastener, Straight Base, malleable iron, black ..... " 1 00

EQUIPMENT FOR FORD CARS

ANTI-SHIMMIE FOR FORD



Anti-Shimmie for Ford. Can be also installed on Dodge, Chevrolet, Overland and Oldsmobile. Takes the wobble out of the front wheels no matter how rough the road may be. Installed in three minutes without the aid of tools, or any alteration of the car. Eliminates wobbling of front wheels, no jar or vibration; relieves strain on driver's arms

To install insert the "hooded" end of the Anti-Shimmie into the "U" shaped yoke on each end of the long rod holding the front wheels together, first cramping or turning the front wheel as far to the left or right as possible.

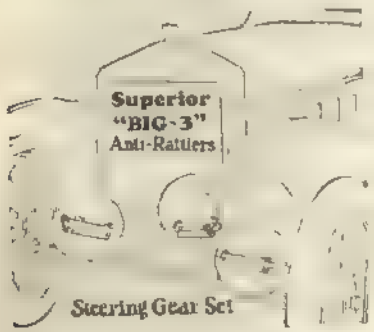
All the "loops" of the Anti-Shimmie spring to go over and under the long rod.

Place the other end of the Anti-Shimmie within the channel of the Ford axle, but first turn the front wheel in opposite direction, so as not to cause undue strain on Anti Shimmie for this operation.

Packed one set in a carton.

Anti-Shimmie .....per set $0 70

SUPERIOR ANTI-RATTLERS FOR FORD



Big 3 Superior Steering Gear Anti-Rattler Set. Consists of one for the arm and two for the rod. Furnished in display carton of twelve.

Big 3 Superior Anti-Rattler Set.....per set $0 75

No. 5 Superior Steering Arm Anti-Rattler. For Fords only. Stops the rattle and takes up steering wheel play. Furnished in display carton of twelve.

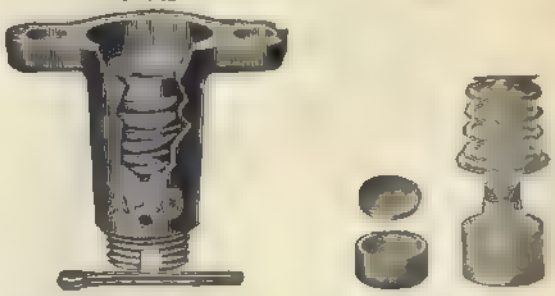
No. 5 Superior Anti-Rattler.....each $0 35
No. 6 Superior Brake Rod Anti-Rattler . . . . " 50

No. 7 Superior Steering Rod Anti-Rattlers. For Fords and 85% of all other cars. Stops the rattle of the steering knuckle joints. Reduces wear, takes up the play and improves the car control. Furnished in display carton of twelve.

No. 7 Superior Anti-Rattlers.....per pair $0 50

ANTI-RATTLERS AND VALVE ADJUSTERS FOR FORD

No. 21 No. 33



Apco Anti Rattlers. Take all the rattles out of the steering rods and radius rod. Malleable iron castings, black enameled, heavy springs, pressed steel cups, machine cut screw plugs. Easily installed.

No. 21 Apco Radius Rod Type.....each $0 35
No. 51 Apco Steering Rod Type.....per pair 35

No. 33 Apco Valve Adjusters. Silence the valves by reducing the play between valve stems and push rods. Consists of eight cups and a quantity of thin discs to take up the wear as it occurs.

No. 33 Apco Valve Adjusters.....each $0 25

TURKO STABILIZER FOR FORD

Turko Stabilizer for Ford Steering Columns. Takes the vibration out of the Ford Steering Column. It is most appreciated when driving over rough roads or on long trips, because it holds the Steering Wheel Column steady. Makes driving more comfortable, more pleasant and safer.

Semi-steel, nickel plated .....each $1 50

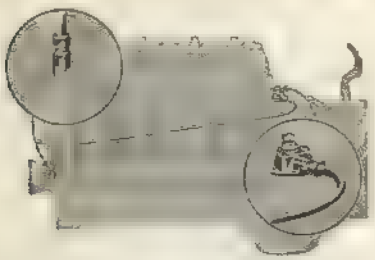
APCO STEERING COLUMN BRACE FOR FORD

No. 42 Apco Steering Column Brace for Ford. Supports the steering column and prevents the base of the column loosening at the dash. It also prevents excessive vibration of the steering wheel and makes it as solid as a rock. Finished in black enamel.

No. 42 Apco Steering Column Brace .....each $0 75

EQUIPMENT FOR FORD CARS

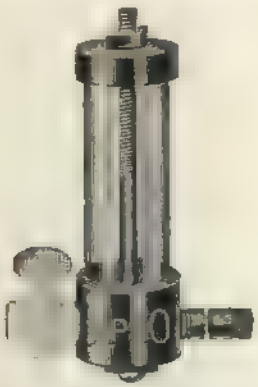
APCO OILING SYSTEM FOR FORD



No. 60 Apco Oiling System. Provides an auxiliary pipe outside the motor so that if the regular small pipe inside the cylinder block through which oil is circulated becomes clogged the motor is still supplied with oil. A special fixture takes the place of the regular magneto plug and a pipe attached to this fixture carries the oil to the breather pipe, which is also a special design. Installation takes 15 minutes. Packed in box; weight, 10 ounces.

No. 60 Apco Oiling System.....complete $2 00

APCO GLASS OIL GAUGE FOR FORD



No. 12 Apco Glass Oil Gauge. Heavily nickeled castings, Scotch glass, leather packings make it reliable, and it is indispensable.

No. 12 Apco Glass Oil Gauge.... .. .each $0 40

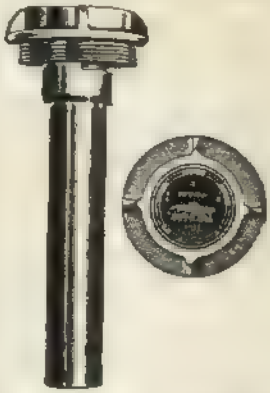
F-B OIL GAUGE FOR FORD

F-B Oil Gauge. Solid construction; can't clog or come apart.

F-B Oil Gauge.....each $0 27

OFFICIAL GASOLINE GAUGE

For Ford and Chevrolet



No. 34 Official Gasoline Gauge for Chevrolet. Takes the place of the filler cap and tells at a glance the quantity of gasoline in the tank. The mechanism is entirely protected by a heavy coppered tubing 1¼ inches in diameter. The luminous silver etched dial, 1¾ inches in diameter, is enclosed by a crystal glass.

No. 34 Official Gasoline Gauge for Chevrolet..each $1 50

No. 33 Official Gasoline Gauge for Ford. Is the exact duplicate of the Chevrolet gauge, excepting the dial is 1½-inch instead of 1¾-inch and the float barrel is 1 inch in diameter instead of 1¼-inch.

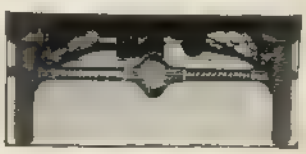
No. 33A, for Touring and Rdstr. up to 1919...each $1 50
No. 33B, for Sedan and Coupes, all years..... " 1 50
No. 33C, for Touring and Rdstr., 1920 and later " 1 50

PRESTO HUB GREASER FOR FORD

No. 3750 Presto Hub Greaser. For Ford front hubs. Greaser consists of a receptacle for the grease which screws onto the hub after removing the hub cap. The water, old grease and dirt in the hub are forced out by screwing down the plunger, forcing new clean grease in their place. Gives the hub, spindle body and bearing assembly a thorough cleaning and greasing without the necessity of removing the wheel.

No. 3750 Presto Hub Greaser.....each $1 50

KEYSTONE GREASE RETAINERS FOR FORD

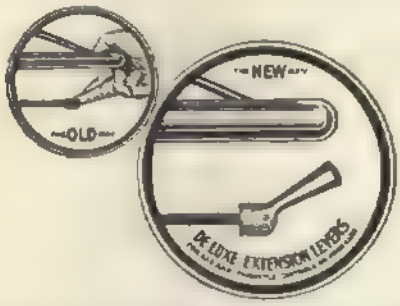


Keystone Grease Retainers for Ford. Made of quality steel and are easily attached. One of the retainers is inserted over the left axle shaft and the other over the right shaft. As the axle turns through them it works the grease back toward the differential instead of letting it work out through the axle ends.

Keystone Grease Retainers for Ford.....per pair $0 75

EQUIPMENT FOR FORD CARS

DE LUXE EXTENSION LEVERS FOR FORD



De Luxe Extension Spark and Throttle Levers bring the Ford spark and throttle controls within easy reach of the driver's fingers regardless of the type of steering wheel his car may have. They are highly polished nickel aluminum die castings. They are hexagon in shape.

De Luxe Extension Levers.....each $0 25

DE LUXE EXTENSION DOOR HANDLE FOR FORD

De Luxe Extension Door Handle for Ford cars is a hexagon shape nickel aluminum die cast handle, which should be on every Ford to ease the opening of doors. Readily attached. Display card free with every dozen.

De Luxe Extension Door Handle.....each $0 25

REX ADJUSTABLE EXTENSION HANDLE FOR FORD

Rex Adjustable Extension Handle. It is a long awkward reach down to the regular hand levers on a Ford. This extension shortens the reach and adds safety and comfort. Adjusted to fit any model Ford car or truck.

Rex Adjustable Extension Handle.....each $2 50

DOLLUP HUB SETS FOR FORD AND CHEVROLET

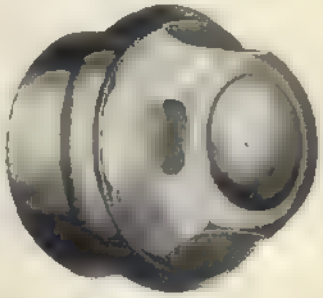
DollUp Hub Set. For Ford. Made of highly polished aluminum. Can be installed in a few moments by anyone. To install, remove the old Ford hub caps, slip the shields on, then screw on the new Red Spot caps; that's all. Set consists of 8 pieces: 4 flanges and 4 hub caps.

DollUp Hub Set. For Ford.....per set $3 00

DollUp Hub Set. For Chevrolet. Of same material and finish as Ford sets, but no hub caps are furnished, 4 shields only; used with standard Chevrolet cap.

DollUp Hub Set. For Chevrolet.....per set $2 20

HUB CAPS FOR FORD



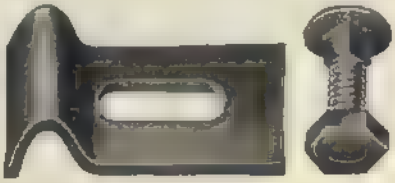
Aluminum Hub Caps for Ford. Made of especially hard aluminum of heavy gauge. Highly polished and retains a permanent and attractive finish. The threads are rolled into the metal insuring conformity to the threads on the hub. Has convex face permanently enameled red.

Aluminum Hub Caps for Ford.....per set (4) $0 60

HUB CAP FOR FORD

Hub Cap. Finished nickel plated brass.....each $0 50

BATTERY HOLD-DOWNS FOR FORD



Battery Hold-Downs for Ford.....per 10 pair $1 50
Bolt and Nut for Battery Hold Down.....per 100 3 70

EQUIPMENT FOR FORD CARS

DUPLEX CANTILEVER SHOCK ABSORBERS

Duplex Cantilever Shock Absorbers for Ford. Duplex not only absorbs all road shocks but completely snubs the vicious rebound. Has no bumping block or artificial stop so necessary in other shock absorbers. No solid block can register on the body. Gives under slung action—looks like a part of the car. The Duplex Shackle allows it to assist and work in perfect harmony with Ford springs; snubs violent upthrow, checks rebound, eliminates bounce, sideway and vibration.

Duplex Cantilever Shock Absorbers for Ford.
Per set (4) $19 00

GEMCO TRI-CHEKS

The Tri-Chek is a shock absorber, a snubber, and an equalizer—all in one.

The conical shape, and the size of this spring is so evenly balanced that its action as a shock absorber does not in any way stop the full action of the car springs. This easy action and also the two axle reenforcing bars allow us to guarantee that the Tri-Chek will not in any way harm the axle.

It's the rebound that breaks springs. The Tri-Chek snubs this rebound, and in fact will pay its initial cost by the saving on broken springs alone. Unexpected shocks break most springs. Prepare yourself for the unlooked-for bumps in the road by attaching a Tri Chek.

The Tri-Chek is the right kind of an equalizer for the Ford car, as it does not attach to or interfere with the steering mechanism in any way. It is securely fastened between the front frame and the axle of the Ford. The tension of the spiral spring holds the axle from swinging in the shackle bolts and stops the side swing that makes steering so hard on a rough road.

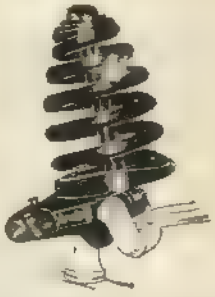
C4859 Tri-Chek, for Fords, with single spring clip..$5 00

RUBBER BUMPER

Rubber Bumpers. Made of the finest quality [illegible] and are designed to withstand severe shocks

No. 14—Round—3½x1½	. . . . .	each	$0 50
No. 16—Arched—6¾x3¾x1¼	. . . . .	"	1 00
No 17—Arched—[illegible]	. . . . .	"	1 35
No 18—Arched—8¾x4¼x1¼	. . . . .	"	1 50
Leather Straps—for attaching, [illegible]		"	30

APCO SHOCK ABSORBERS



No. 200 DeLuxe Apco Shock Absorbers. With conical or bee-hive springs. The springs work with the Ford spring instead of against it. Apco Shock Absorbers are made to last without rattles. There are twelve hardened steel bushings in each set, "nut and bolt" adjustment for other places to take up wear, convenient spring cap oilers and high grade drop forgings instead of malleable iron.

Made in Three Types Touring, Sedan and Runabout. In ordering be sure to state which type is desired.

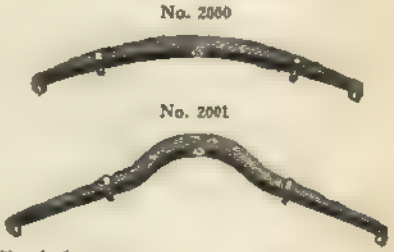
No. 200 DeLuxe Apco Shock Absorbers...per set $25 00

CRADLE SPRINGS FOR FORD

Cradle Springs for Ford are stronger and longer than others. They are scientifically designed and marvelously easy riding. The overall length of this spring (69 inches) including the two extension arms, which also are made of spring steel, is considerably more than twice the length of the ordinary Ford spring. When installing the Cradle Spring, we substitute an extension arm, made of Spring steel for the rigid Ford perch, thereby getting 69 inches of spring action instead of the 33½ inch action with the standard Ford installation.

9 Leaf Cradle Spring for Ford Cars.....complete $ 9 00
10 Leaf Cradle Spring for Ford Trucks... " 10 00

SPRINGS FOR FORD

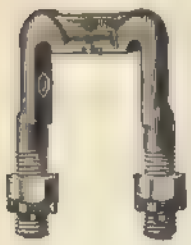


7-Leaf.	Ford front	each	$2 50
8-Leaf.	Ford rear	"	6 00
9-Leaf.	Heavy Duty Front Spring for Ford Delivery Cars, Trucks and Taxis	each	$3 00
10-Leaf.	Heavy Duty Rear Spring for Ford Delivery Cars, Trucks and Taxis	each	$8 00

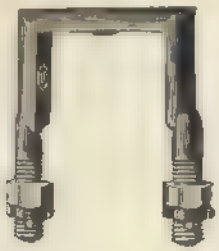
SPRING CLIPS AND PLATES FOR FORD

UNION SPRING CLIPS FOR FORD

Ford Front



Ford Rear

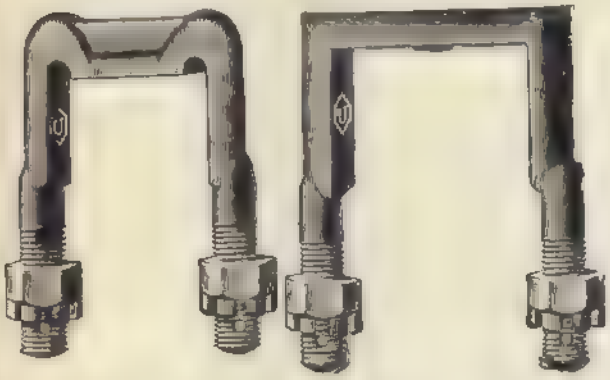


No. 3808 Front Clips for Ford.....per 100 $75 00
No. 3833 Rear Clips for Ford.....“ “ 75 00

EXTRA LONG, FOR 9 and 10-LEAF SPRINGS

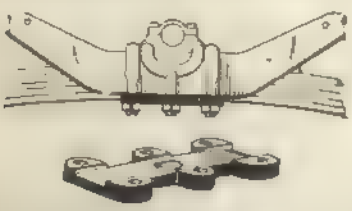
No. 3808XL Front

No. 3833XL Rear



No. 3808XL Extra Long Front Clips for Ford.
Per 100 .....$90 00
No. 3833XL Extra Long Rear Clips for Ford.
Per 100 ..... 90 00

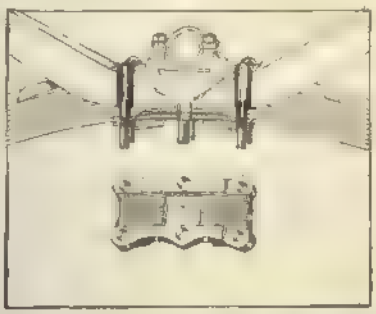
TRIPLE SPRING CLIP BAR FOR FORD



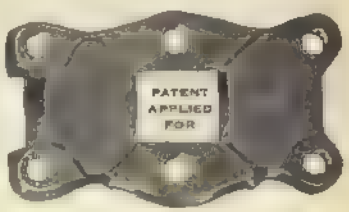
Triple Spring Clip Bar For Ford. A drop forged bar to use with 7, 8, 9 or 10-leaf springs, using two extra clips, No. 3808 Ford parts, in connection with the regular equipment single crankcase front frame bearing and spring clip assembly No. 3076B, greatly strengthening the front cross member, eliminating a large percentage of spring and leaf breakage. Also prevents side rocking of car and checks rebound.
Triple Spring Clip Bar For Ford..... each $1 00

HEAVY DUTY SPRING CLIP PLATES

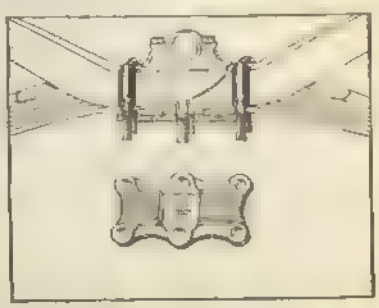
No. 103 Spring Plate. For equipping 1921 and later model Ford cars with extra heavy 9-leaf springs. Used in connection with No. 3076B.
No. 103 Spring Plate.....each $1 00



No. 104 Improved Pattern Spring Plate. For equipping 1921 and later model Ford cars with extra heavy 9-leaf springs. Used in connection with single saddle or clamp No. 3076B and also two No. 3808XL extra long front clips.



No. 104 Improved Pattern Spring Plate.....each $2 00

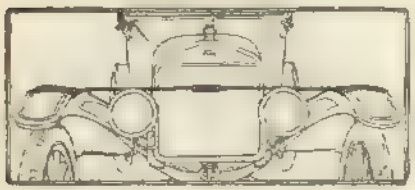


No. 105 Spring Plate. To strengthen the regular 7-leaf front Ford spring assembly; used with two No. 3808 Ford front clips. Prevents center breakage of spring, reduces side sway and stabilizes steering.

No. 105 Spring Plate..... each $1 20

EQUIPMENT FOR FORD CARS

M. & M. FENDER BRACE



M. & M. Fender Brace. Finished in black enamel and guaranteed not to break. Can be attached to a Ford car in a minute or two without the use of tools. The pointed rod makes it very easy to assemble. There are no holes to drill, bolts or rivets to become loose. Has a 3-inch adjustment after being attached. When assembled and adjusted it will always clear the lamps. Each fender brace is assembled, tested and taken apart before packed for shipment. Specify front or rear when ordering.

No. 21 M. & M. Fender Brace. Front .....each $1 25
No. 22 M. & M. Fender Brace. Rear ..... " 1 25

MARQUETTE FENDER BRACES AND BUMPERS

Marquette Front Fender Brace and Bumper. Provides for solid bracing of the fenders and full protection of the front of the car. Its firm unyielding support of the fenders prevents drooping and stops all rattling. Made of T steel. One model fits all Fords. Only two small holes to bore in each front fender to install.

No. 90 Marquette Fender Brace. Nickel ....each $6 75
No. 80 Marquette Fender Brace. Bl. Enam.. " 5 00

Marquette Rear Fender Brace and Bumper. Solidly installed by bolts through the sills and to lower side of rear fenders.

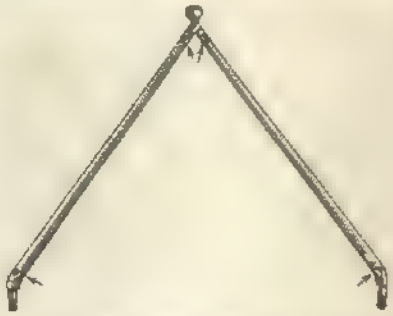
For Ford Coupe, Touring and Roadster

No. 10 Marquette Fender Brace. Bl. Enam..each $4 50
No. 20 Marquette Fender Brace. Nickel .... " 6 25

Fordor and Tudor Sedan

No. 30 Marquette Fender Brace. Bl. Enam.. " 4 75
No. 40 Marquette Fender Brace. Nickel .... " 6 50

ANGLE RADIUS ROD SUPPORT FOR FORD



Radius Rod for Ford Cars. Made of steel and is black enamel finished

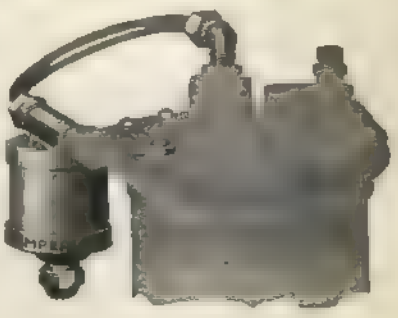
Radius Rod for Ford . . . . . .each $1 50

COMMON SENSE RADIUS RODS

Common Sense Radius Rods for Ford. Eliminates the use of the Ford wishbone, which is removed from the car. They provide mechanically correct construction. The illustration shows how proper rigidity is provided, yet flexibility is retained by the springs. They are strong rods applied to each side of the car.

Common Sense Radius Rods..... .....per set $10 00

IMPERIAL GASOLINE STRAINER



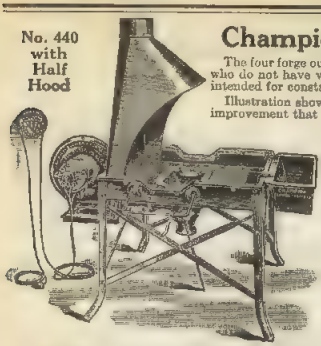
No. 122J Imperial Gasoline Strainer. This self-cleaning strainer is indispensable for use with vacuum tanks. It has a large area mesh and cannot clog. The amount of sediment and dirt that it collects demonstrates its usefulness. Can be installed by any one in a few minutes. Made of unbreakable metal.

No. 122J Imperial Gasoline Strainer.....each $3 00

VACUUM TANK FLOAT

No. 25-C. This float is intended for replacement on Standard vacuum tanks now in use. It has great buoyancy, long life, and is guaranteed not to leak. Standard package of 12, packed in a box. Weight, each, 4 ounces. Each float packed in individual box, 50 in shipping case.

No. 25-C Vacuum Tank Float.
Each $1 50


No. 440 with Half Hood

Champion Electric Driven Blacksmith Forges

The four forge outfits described below offer a wide range of choice, the No 443 being suitable for those who do not have very heavy work or a great amount of it and the No. 442 Large Blacksmith Forge intended for constant service.

Illustration shows forge equipped with a No. 1 Blower, but the No. 50 and No. 51 are so great an improvement that we are furnishing the different outfits as follows:

Nos. 440, 441 and 443 are provided with a No. 50 Blower, and No. 442 with a No. 51 Blower. These blowers have variable speed controlled by a detached rheostat and a big motor using either alternating or direct current. For detailed description refer to page on blowers

No. 443. Electric driven light forge, ball tuyere iron, cast-iron hearth 23x25 inches, tubular legs, height 30 inches, with hood, weight 225 pounds. Price **$67.50**

No. 441. Electric driven forge, whirlwind blast, anti-clinker heavy nest tuyere iron, cast-iron hearth 32 x 45 inches, height 30 inches, with hood, weight 400 pounds. Price **80.00**

No. 440. Electric driven forge, same as No. 408 forge except with electric blower, whirlwind blast, anti-clinker heavy nest tuyere iron, hearth 30x36 inches, height 30 inches, with hood, weight 300 pounds. Price **86.00**

No 442 Electric driven large forge, same as No. 430 forge, except with electric blower, whirlwind blast, anti-clinker heavy nest tuyere iron, hearth 38x42x7 inches deep, height 26 inches, with hood and coal box complete, weight 530 pounds. Price **115.00**

Nos. 440, 441 and 442 Forgers furnished with water tank, $5 00 extra.

Champion "Midway" Spiral Geared Cast Iron Hearth Forges

No. 71 with Half Hood

No. 75 with Shield

No. 72 with Shield

No. 73 with Half Hood

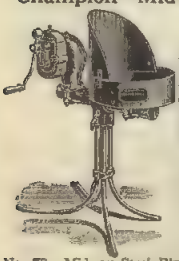
The Champion "Midway" Spiral Geared Cast Iron Hearth Forges are well built, thoroughly reliable in every respect and we recommend them as strong and durable cast-iron forges The blower is the Champion "Midway" with its cross spiral gearing, enclosed in a dust-proof case This blower is simple in construction and without small gears or pinions, but does not have adjustable ball bearings as used in the Champion 400 line. It produces a strong blast, however, and crank can be turned in either direction.

The Midway forges, while not as well made as the Champion 400 line, are good, dependable, medium-priced forges and are especially desirable for mechanics who do not have constant use for a forge.

No.	Style Forge	Size of Hearth	Price Each	Size of Fan	Height	Weight
75	Shield	22 inches in diam	$30.00	10 inches	33 inches	165 pounds
70	Half hood	22 inches in diam	33.00	10 inches	33 inches	170 pounds
72	Shield	24 x 35 inches	36.00	10 inches	30 inches	215 pounds
73	Half hood	23 x 35 inches	40.00	10 inches	30 inches	225 pounds
*71	Half hood	32 x 45 inches	50.00	12 inches	30 inches	395 pounds

*No. 71 fitted with water tank, $5 00 extra.

Champion "Midway" Spiral Geared Rivet Forge



No. 78 Champion Midway Spiral Geared Rivet Forge is intended for those who do not wish to invest their money in the highest grade forge, No. 401, and do not wish a Midway forge with a cast iron hearth, such as the No. 75. It produces a good blast, by turning crank either way, and is sold guaranteed to be a strictly first class medium price forge.

No. 78. Midway Steel Rivet Forge with shield; hearth 18 inches in diameter; height, 30 inches; fan 10 inches; weight 120 pounds. Price.. ..... **$31.00**

Champion "Midway" Steel Forges

No. 80 with Half Hood

A substantial and firmly built steel forge, constructed of heavy steel plate, legs riveted to the hearth and strongly braced. The sides of the hearth of the No. 80 are 6 inches wide and cover every requirement for an up-to-date blacksmith fire. The Midway blower with its spiral gearing is used. Equipped with a heavy nest tuyere iron weighing 50 pounds; the same as furnished with the Midway blower when sold separately. A first-class moderate priced forge.

No 80. Midway Steel Forge, hearth 30 x 36 x 6 inches deep, height 30 in., fan 12 in.; with half hood and 50-lb. heavy nest tuyere iron; weight 300 lbs Price .**$86.00**

Extra for water tank . **5.00**

No. 79. Midway Steel Forge; hearth 24 x 24 in. height 30 in.; fan 10 in.; with shield, weight 185 lbs. Price **$40.00**

Cold Chisels

Drop Forged, High Carbon Tool Steel

Hand

Standard Lengths

Natural Finish or Polished taper and Ebony Shanks.

Price per Dozen

Size, Octagon, in..	¼	5/16	⅜	7/16	½	5/8	¾	⅞	1
Length, in.....	6	6¼	6½	6	6	7	7½	8	8½
Cutting width, in.	5/16	⅜	¼	½	5/8	¾	⅞	1	1½
Natural finish, Price per doz....	$2.00	2.00	2.25	2.50	2.75	4.25	6.00	8.00	10.00
Polished. Price per dozen.....	2.50	2.75	3.00	3.25	3.50	5.00	6.75	8.75	10.75

Extra Long

Price per Dozen—Natural Finish

Length Inches	Size of Octagon, Inches							
	½	5/8	¾	⅞	1	1¼	1½	1¾
8	$3.00	$4.50	.....	.....	.....	.....	.....	.....
10	3.00	4.50	$ 6.00	$ 8.50	$11.00	.....	.....	.....
12	3.50	5.50	7.50	10 00	13.50	$16.00	$20.00	$26.50
14	4.00	6.50	9.00	12.00	15.50	19.50	24.00	33.50
16	....	7.00	10.50	14.00	18.00	22.50	27.50	39.00
18	....	8.00	11.50	15.50	20.50	25.50	31.50	44.50
20	....	....	13.00	17.50	23.00	28.50	35.00	50.00
24	....	....	15.50	21.50	27.50	34 50	42.50	60.50
30	....	....	.....	27.00	35.00	43.50	55.00	77.00
36	....	..	.....	.....	43.00	53.00	65.00	93.00
42	.....	..	.....	.....	.....	62.00	77.00	109.00
48	.....	....	.....	.....	.....	..	87.50	125.50

Chisel Sets

This set of chisels consists of six of the most commonly used chisels. Indispensible to die and tool makers. Made by hand of high grade steel. Set consists of one each of the following:

No. 30 Chisel Set

Price per set of six in box.....$1.50

	Cutting Edge Lgth. In.	Dia. In.
Cold chisel.....	5/16 4½	¼
Diam. point chisel.....	5/16 4½	5/16
Groove chisel.....	5/16 4½	¼
Half round chisel.....	5/16 4½	¼
Cape chisel	5/16 4½	¼
Rd. nose cape chisel...	5/16 4½	¼

No. 40 Chisel Set

Price, per set of six in box.....$2.00

	Cutting Edge Lgth. In.	Dia. In.
Cold chisel.....	7/16 5½	5/16
Diam. point chisel.....	¼ 5½	⅜
Groove chisel.....	¼ 5½	⅜
Half round chisel.....	¼ 5½	⅜
Cape chisel.....	¼ 5½	⅜
Rd. nose cape chisel...	¼ 5½	⅜

Channon Star Drills

For drilling holes in concrete, cement, stone, etc. Are fully described and listed on another page. See index.

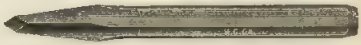
Cape

Natural Finish or Polished taper and Ebony Shank.

Price per Dozen

Size Octagon, In.....	5/16	⅜	7/16	½	⅝	¾
Cutting Width, in.....	¾	7/8	1	1¼	1⅝	1¾
Length, in	5½	6½	7½	8	8½	9½
Natural finish.....	$2.75	$3.50	$5.25	$7.50	$10.00	$12.50

Diamond Point



Price per Dozen

Size Octagon, in.....	3/16	¼	5/16	⅜
Size Point, in.....	¼	5/16	⅜	7/16
Length in.....	5½	6½	7½	8
Natural Finish.....	$3.50	$4.00	$6.00	$8.25
Polished Ebony Shank.....	4.50	5.00	7.00	9.00

Round Nose

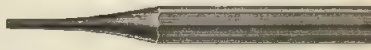
Price per Dozen

Size Octagon, in.....	3/16	¼	5/16
Size Point, in.....	¼	5/16	⅜
Length, in.....	5½	6½	8
Natural Finish.....	$3.50	$4.00	$5.25
Polished Ebony Shank.....	4.50	5.00	7.00

Machinists Punches

Drop Forged-High Carbon Tool Steel

Drift Punch



Price per Dozen

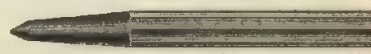
Size Octagon, in.....	5/16	⅜	7/16	½
Length, in.....	4½	4¾	5½	6
Point, in.....	½	½	½	½
Natural Finish.....	$2.50	$2.75	$3.00	$3.25
Polished Ebony Finish.....	3.25	3.50	3.75	4.00

Solid Punches

Price per Dozen

Size Octagon, in...	5/16	⅜	½	⅝	¾
Length, in.....	4½	4¾	5¼	6	6
Point, in.....	5/16	½	5/8	¾	¾
Natural Finish.....	$2.00	$2.25	$2.50	$2.75	$4.25
Polished.....	2.75	3.00	3.25	3.50	5.00

Center Punches



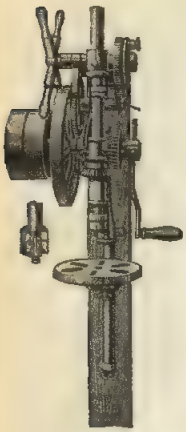
Natural Finish or Polished Taper Ebony Shank.

Price per Dozen

Size Octagon, In...	5/16	⅜	7/16	½
Length, in	4½	4½	5	5¼
Natural Finish.....	$2.00	$2.25	$2.50	$2.75
Polished.....	2.75		3.25	3.50

Western Chief Blacksmiths' Post Drills

No. 19



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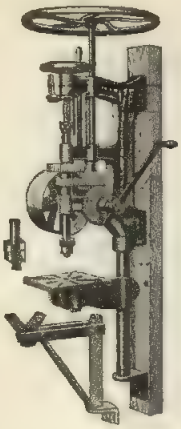

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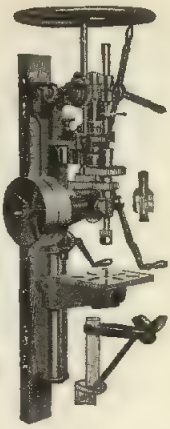
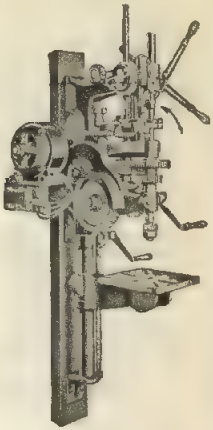


No. 16E



No. 19

A low-priced combined Hand and Self-Feed Drill, adapted to ordinary shop use. Hand and self-feed operated independently. A good drill for wood boring. Size of pulleys, 8x2 inches. Should be run at about 190 revolutions per minute.

No. 7

This drill is a hand and power drill with cut gears. Has automatic self-feed, and fast and slow speed, which can be changed instantly. Size of tight and loose pulleys for power, 10¾x2¼ inches. Drills should be operated at about 175 revolutions per minute.

No. 16

This drill is a ball-bearing drill with power attachment, hand-lever feed and horizontal, gear-driven positive self-feed. Each feed works independently of the other. Has cut gears and rack for raising and lowering table. Size of tight and loose pulleys, 10¾x2¼ inches. Drills should be run at 175 revolutions per minute.

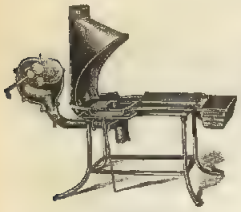
No. 16E

This drill has all the time and labor-saving features of the No. 16 Drill, and in addition is equipped with electric motor drive, which costs less than 25 cents per day to operate. No belts are necessary, the motor being directly connected with spur cut gears.

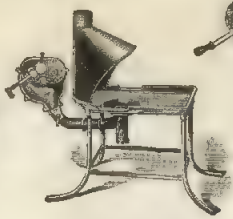
No.	Price for Hand Power Only	Price With T. & L. Pulleys	Price With Electric Motor	Drilling Circle, Inches	Drills Holes Size, Inches	Up and Down Run of Table, Inches	Up and Down Run of Spindle Inches	Bored for S. S. Drills, Inches	Wheel Holder Attachment	Weight Pounds	
										Hand	Power
19	$28.35	$33.05	.....	16½	0 to 1¼	11	5½	½ or ¾	.....	130	140
7	51.30	57.10	.....	21	0 to 1½	16½	5	½ or ¾	$4.00	275	295
16	70.45	77.95	.....	24	0 to 1½	15½	6½	½ or ¾	4.00	340	360
16E	.....	.....	$176.70	24	0 to 1½	15½	6½	½ or ¾	4.00	...	400

In these machines chuck is not separate but is attached to spindle.
In ordering, always state whether spindle is wanted bored for ½ or ¾ straight shank drills.
We always furnish spindles bored for ½-inch straight shank drills unless otherwise ordered.

Champion "Lancaster" Geared Forges



No. 41 with half hood.



No. 43 with half hood.

No. 45 with shield.

No. 48 with shield

In this catalog we offer for the first time a line of direct driven forges equipped with the Lancaster Geared Blower. This line is made by the makers of the Champion 400 and Midway Blowers and Forges, and is their third grade. The Lancaster Blower is described in detail on another page. It does not have ball bearings, but is smooth running and crank turns either direction to produce blast.

The No 41 Blacksmith Forge is a well built, direct-driven forge with cast iron hearth. The Lancaster Geared Blower is attached as shown in illustration. A heavy nest ball tuyere iron weighing 50 pounds is furnished with each forge. A complete, well built blacksmith forge at a very reasonable price.

No. 42 Agricultural Forge is a well made, low priced, direct-driven forge, especially recommended for agricultural use. It is nicely finished and with its large hearth and fan it is very suitable for farm use. The No. 43 is the same as No. 42, except that it is provided with a half hood instead of shield.

Nos 45 and 46 are strong, light, direct-driven, portable forges with cast iron hearths 22 inches in diameter and differ from each other only in that one has a shield, while the other has a half hood.

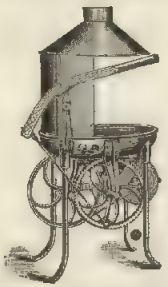
No. 48 is a new steel rivet forge of the same pattern as the Champion No 401 and equipped with the Lancaster Geared Blower. It is a very light, convenient and serviceable rivet forge at a moderate price.

No.	Style Forge	Size of Hearth	Size of Fan	Height	Weight	Price each
*41	Half hood	32 x 45 inches	12 inches	30 inches	390 pounds	$50.00
42	Shield	23 x 35 inches	12 inches	30 inches	210 pounds	36.00
43	Half hood	23 x 35 inches	12 inches	30 inches	215 pounds	40.00
45	Shield	22 inches diam.	10 inches	30 inches	140 pounds	27.00
46	Half hood	22 inches diam.	10 inches	30 inches	145 pounds	30.00
48	Shield	18 inches diam.	10 inches	30 inches	125 pounds	31.00

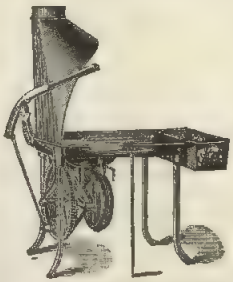
*No. 41 fitted with water tank, $5.00 extra.

Champion General Purpose Lever Forges

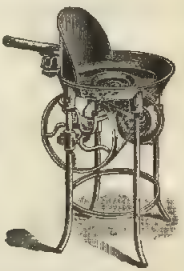
No. 55 with Shield



No 59 with Half Hood.



No. 61 with Half Hood and Water Tank.



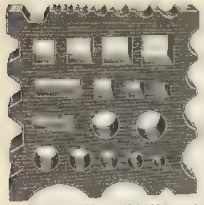
No. 150 with Shield.

The Champion General Purpose Lever Forges are made with double ratchet, strong and substantial, adapted for all kinds of medium work, and will be found reliable and first class in every respect. The No. 61 is provided with an improved, revolving anti-clinker ball tuyere iron for regulating blast. No. 150 and 151 have single ratchet and are intended mainly for farmers who have only occasional use for a forge, and then only for light repair work.

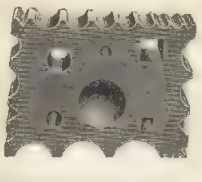
No.	Style of Forge	Size of Hearth	Height	Size of Fan	Weight	Price Each
55	With shield	18 inches diam.	30 inches	8 inches	100 pounds	$24.00
56	With half hood	18 inches diam.	30 inches	8 inches	105 pounds	27.00
58	With shield	21 x 27 inches	29 inches	10 inches	185 pounds	36.00
59	With half hood	21 x 27 inches	29 inches	10 inches	190 pounds	40.00
61	With half hood	28 x 40 inches	30 inches	14 inches	355 pounds	50.00
61	With half hood, water tank	28 x 40 inches	30 inches	14 inches	400 pounds	55.00
150	With shield	18 inches diam.	30 inches	8 inches	85 pounds	14.00
151	With half hood	18 inches diam.	30 inches	8 inches	90 pounds	16.00

Cast Iron Swage Blocks

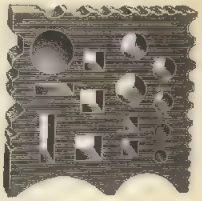
Made of Strong Iron, Cast Smoothly and Accurately to Pattern



Shape of Nos. 1½, 2½ and 3½



Shape of Nos. 1, 2 and 3

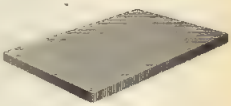


Shape of Nos. 4 and 4½

Number..	0	0½	1	1½	2	2¼	2½	3	3½	4	4½	5
Length, inches	19½	15	14	12½	14⅞	13⅜	14⅞	13	16	15	18	24
Width, inches	14	15	10	12½	11⅛	13⅜	14⅛	11⅛	16	15	18	24
Thickness, inches	4	4	3⅜	4	3⅞	4	4	4⅜	4⅜	4	4⅜	6
Round holes range	⅛-2⅛	⅛-3⅛	1-2	1-2½	1-2	1 2⅛	1⅛ 2⅛	1-2	1-2⅜	1-2½	1⅛-3	⅜-3
Square holes range	½-2⅛	1¼-2	1 and 2	1-2½	1 and 2	1-2⅛	1⅛-2	1 and 2	1-2⅛	1⅛-2⅛	1⅛-2⅜	¾-2½
Approximate weight, pounds	170	123	106	100	126	135	148	146	198	164	255	675
Price each	$17.00	$12.30	$10 60	$10.00	$12.60	$13.50	$14.80	$14.50	$19.80	$16.40	$25.50	$67.50

Rectangular Holes. No 0 has 2⅞x17, No 0½ has 1½x2½, ⅜x4, 1⅛x4, 1⅜x4 and ¾x4¾; No. 1½ has 1x3 and 1¾x3¾; No. 2¼ has 1⅛x3 and 1⅜x3½, No. 2½ same as No 2¼. No 3½ has 1x3 and 1⅛x3⅜. No 4 has ⅞x3⅛ and 1⅛x4. No 4½ has 1⅛x3 and 1⅝x4; No 5 has ⅝x3, 1x4 and 1½x5. **Triangular Holes.** No. 0½ has 2⅛x3¼. **Hex. Hole.**—No 0½ has 1⅜.
The above does not include grooves around the outside

Leveling Blocks



Made of superior pig iron and accurately **planed** on one side, unless otherwise ordered
Can supply solid or ribbed pattern The ribbed blocks are cast hollow and are consequently lighter—weight about 1 pound to 4 cubic inches, ribbed blocks about ⅓ less
Can be furnished 12 to 80 inches long by 10 to 28 inches wide by 1½ to 5 inches thick
Price solid pattern, planed one side, per pound $0.10
Price ribbed pattern, planed one side, per pound ..... .10½
Solid pattern can be furnished planed both sides and all edges at extra cost

Blacksmiths' Cones or Mandrels

Plain Cheney's

Cast round and smooth Well adapted for forming rings, bands or similar work.
Cheney's Patent has slot, very convenient for holding iron when bending rings. They are strengthened with ties inside the slot

Height, Inches	Diameter at Base, Inches	Diameter at Top, Inches	Plain No.	Plain Weight	Plain Price	Cheney's No.	Cheney's Weight	Cheney's Price
32	8	1	1	55	$ 5.50	11	60	$ 6.00
40	10	1	1½	90	9.00	11½	100	10.00
48	12	1	2	115	11.50	12	125	12.50
52	14	1	3	140	14.00	13	150	15.00
54	16	2	4	200	20.00	14	220	22.00
50	21	5	5	451	45.00	.....	.....	.....

Whirlwind Blast

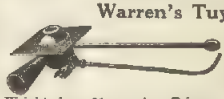
Champion Whirlwind Blast Tuyere Iron

Produces a circular rotary blast and prevents the heat from going to waste up the chimney. Concentrates the blast and heat in tuyere nest, making a hotter fire. Also has revolving pick which keeps slot free of clinkers Dimensions are Depth, 5 inches; width 8¾ inches, length 10½ inches, overall, 12⅞x14¾ inches Weight 60 pounds
Price each $12.00

Champion Tuyere Irons Patent Adjustable Nozzle

Made with large inlet for free access of air. The small necked patterns should not be used except with bellows or positive blower
Price each $4.00

Warren's Tuyere Iron



Blast is regulated by revolving a bull, which has three unequal sides. Open bottom valve and all cinders and ashes drop out.
Weight about 31 pounds. Price each $4.40

Norton's Tuyere Iron

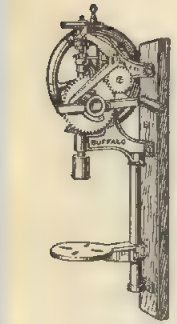
To regulate, turn large rod. Levers and springs can be easily changed for right or left hand use. Draw out small rod to drop ashes.
Weight about 27 pounds Price each $4.00

Duck Nest Tuyere Iron

Single Pattern

No.	Style	Weight, Pounds	Price Each
1	Single	11	$1.60
2	Single	15	2.00
3	Single	18	2.40
4	Double	17	2.40

Buffalo Ball Bearing Drills



No. 611 Drill

Nos. 61 and 611 Ball Bearing Drills

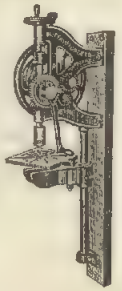
These are low priced machines designed for light work where a small drill is entirely satisfactory.

Each has a single speed and hand and automatic feed. Both are equipped with round adjustable tables.

No. 611 can be furnished with extended shaft.

	No. 61	No. 611
Drills to center diameter circle, in.	11½	11
Holes up to, in.	¾	¾
Spindle diameter, in.	⅞	⅞
Run of feed, in.	10¾	10
Run of table, in.	32	33
Weight crated, lbs.	70	90
Price, each	$8.25	$10.25

No. 619 Ball Bearing Drill

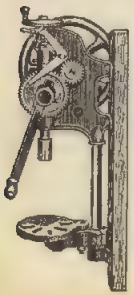


A heavy, powerful machine for all round work. Shafts and spindle are steel carefully machined and finished. All bearings bored and reamed in the solid metal of the frame, insuring accurate alignment and smooth running. End thrust of spindle sustained by two hardened steel bolts. Two speeds. By changing crank from front to rear gear, slow or fast speed is obtained. Handle turns forward on both feeds. Hand and automatic feeds—the latter adjustable to three speeds. Buffalo improved chuck regular equipment.

Drills holes to 1¼ in. diameter to center of 19 in. Spindle diameter, 1¼ in.; run of feed, 5 in.; run of table, 15 in. Length over all, 52 in Weight, 220 lbs.

Price, hand power only $26.50
Price, with pulleys, 8 in. dia. . . . $2.00

Nos. 116 and 118 Ball Bearing Drills



Two speeds changed instantly by means of sliding collar. Hand feed obtained by planetary gears and rack and pinion operated by four arm lever. Automatic feed. Four speeds, obtained by planetary gears. Change from hand to automatic feed instantly by means of sliding collar.

Drill to center of 18 and 16-inch circles. Drill holes up to 1½ inches. Diameter of spindle, 1¼ inches. Size of pulley, 8 x 3 inches. Run of table, No. 118, 17 inches; No. 116, 15 inches Length, No. 118, 66 inches; No. 116, 63 inches. Shipping weight, No. 118, 300 lbs.; No. 116, 270 lbs.

List Price—No. 118, hand operated $46.25
List Price—No. 118-A, hand and power $52.75
List Price—No. 116, hand operated $42.50
List Price—No. 116-A, hand and power $47.50

No. 614 Ball Bearing Drill

This machine has a strong, well ribbed frame with steel shaft and spindle carefully turned and fitted. One spindle speed, two feeds, hand and automatic, the latter with three speeds.

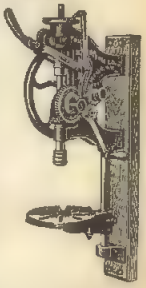
Steel balls take up friction between spindle and feed screw. Slotted table easily raised, lowered or swung aside. Fitted with Buffalo Improved Chuck.

Specifications

Drills holes up to 1¼ in. diameter to center of 14 in. circle. Spindle diameter, 1 in.; run of feed, 3 in.; run of table, 11 in.; chuck bored, ½ in.; length over all, 41 in.; shipping weight, 96 lbs.

Price each $13.00

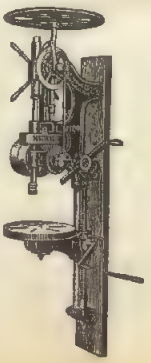
No. 515 Ball Bearing Drill



A strong, powerful hand drill with heavy cast iron frame mounted on large post. Lever feed. Cut cast iron gears. Bearings bored and reamed in solid cast iron frame. Two speeds, lever and automatic. Slotted adjustable table. Improved Buffalo Chuck. Drills holes up to 1¼ in. diameter to center of 15 in. circle; run of feed, 3 in.; run of table, 12 in; pulley diameter, 6 in.; length, 40 in.; weight, 140 pounds.

Price, hand power, No. 515 . . . . $23.75
Price, with pulley, No. 515-A . . . 27.50

No. 124 Ball Bearing Drill



This drill is simple in design and gives maximum service with minimum wear Cast iron frame on heavy post. Slotted adjustable table. Two speeds for light and heavy work obtained by means of sliding adjustable collar. Can be furnished for hand power only or with T and L pulleys and hand crank. Hand and automatic feeds. Hand feed has 4 arm lever. Automatic feed adjustable.

Drills to center of 24 in. circle; drills holes up to 1½ in.; run of feed, 7½ in.; run of table, 17 in.; length over all, 72 in. Weight, 390 lbs.

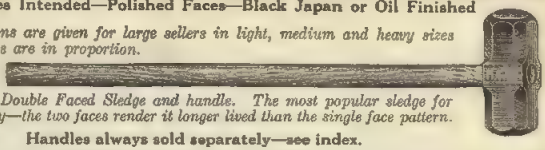
List Price No. 124, (hand operated) $66.00
List Price, No. 124-A, (Hand and power) $71.50

Furnished with Buffalo "Improved" Chuck.

Sledges and Heavy Hammers

Quality Tools—Forged from Well Balanced Designs—Heat Treated and Properly Tempered for Purposes Intended—Polished Faces—Black Japan or Oil Finished

Dimensions are given for large sellers in light, medium and heavy sizes —other sizes are in proportion.



Showing Double Faced Sledge and handle. The most popular sledge for striking only—the two faces render it longer lived than the single face pattern.

Handles always sold separately—see index.

Blacksmiths' Sledges

While known to the trade as Blacksmiths' Sledges, these types are used by contractors, railroads, mining companies, as well as other industries requiring heavy hammers or sledges.

Double Face Blacksmiths' Sledges

Fig. 715

Dimensions	6-pound	8-pound	14-pound
Length ....inches	6½	6¾	7⅞
Diameter of face ....inches	2	2¼	2⅝

Stock Sizes

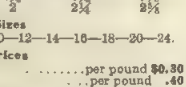
Weight each, pounds, 4—6—8—10—12—14—16—18—20—24.

List Prices

Weights 5 pounds and over.....per pound **$0.30**
Weights 3 to 5 pounds.....per pound **.40**
Under 3 pounds.....per pound **.50**

Cross Pein Blacksmiths' Sledges

Fig. 716



Dimensions	6-pound	8-pound	14-pound
Length....inches	6½	7	8½
Diameter face....inches	2	2½	2⅝
Pein....inches	2	2¼	2⅝

Stock Sizes

Pounds, 3—4—5—6—8—10—12—14—16—18—20.

List Prices

Weights 5 pounds and over . . . per pound **$0.30**
Weights 3 to 5 pounds . . . per pound **.40**
Under 3 pounds . . . per pound **.50**

Straight Pein Blacksmiths' Sledges

Fig. 717

Dimensions about same as Cross Pein.

Stock Sizes

Pounds 5—6—8—10—12—14—16—20.

List Prices

Weights 5 pounds and over. . . per pound **$0.30**
Weights 3 to 5 pounds. . . . per pound **.40**

Striking and Drilling Hammers

Standard Long Pattern

Fig. 718

Dimensions	4-pound	8-pound	16-pound
Length....inches	6½	7½	8½
Diameter face....inches	1¼	1⅝	2⅜

Stock Sizes

Pounds 4—6—7—8—10—12—14.

List Prices

Weights, 5 pounds and over.....per pound **$0.30**
Weights 3 to 5 pounds.....per pound **.40**
Under 3 pounds.....per pound **.50**

Stone Sledges

Fig. 719

A very popular sledge for breaking stone.

Dimensions	6-pound	8-pound	16-pound
Length....inches	6½	7½	8⅝
Diameter face....inches	2	2½	2⅝
Width of bit....inches	2	2⅛	2⅜

Stock Sizes

Pounds 6—8—10—12—14—16—18—20—24.

List Price.....Per pound **$0.30**

Stone Masons' Hammers

Fig. 720
Axe Finish

Dimensions of 6-Pound Size
Length 7¼ inches; face 2⅝x1⅜; bit 2⅛ inches

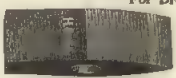
Stock Sizes

5—6—8—10—12—14 pounds.

List Price.....Per pound **$0.50**

Spauling Hammers

For Dressing Stone



Single Face Fig. 721

Double Face Fig. 722

Dimensions, Single Face	8-pound	16-pound
Length....inches	9	9½
Diameter of face....inches	2¼x1¾	2¾x1¾
Width of bit....inches	2⅛	2¼

Stock Sizes

5—6—8—10—12—14—16—20 pounds.

List Price . . . Per pound **$0.40**

Ship Mauls

Fig. 723

Also Known as Top Mauls

Dimensions	4-pound	5-pound	6-pound
Length....inches	8¼	8¾	9
Diameter small face....inches	⅝	⅞	1
Diameter large face....inches	1⅝	1¾	2⅛

List Price.....Per pound **$0.42**

Coal Wedges

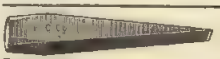
Fig. 724

Dimensions	2-pound	2½-pound	3-pound
Length....inches	8	8¾	9½

List Price.....Per pound **$0.20**

Frost Wedges

For Breaking Up Frozen Ground.



Dimensions	18-pound	20-pound	24-pound
Length....inches	16½	15½	15½
Diameter head....inches	2¾	2¼	3
Width of bit....inches	2⅝	3	3½

List Price.....Per pound **$0.25**

Blacksmiths' Hand Hammers listed elsewhere, see index.

Eureka Geared Forges

No. 143

No. 145

No. 147

The Champion Eureka Forges are equipped with cut-geared crank-driven blower, helical gearing being used to give smooth running and noiseless operation. The gear ratio gives 48 revolutions of the blast wheel to one turn of the crank, making a strong, steady, high pressure blast with smooth easy turning—crank turning either direction. The gear case is oil-tight and dust-proof.

No. 142 Forge, with Shield. Hearth 23x30 inches. Height 30 inches. Fan 10 inches. Weight 135 lbs. $35.00

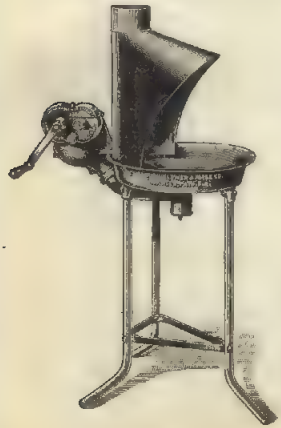
No. 143 Forge, same as No. 142 except with Half Hood. Weight 140 lbs. 40.00

No. 145 Forge, with Shield. Hearth is 18 inches. Height 30 inches. Fan 8 inches. Weight 70 lbs. 14.00

No. 146 Forge, same as No. 145, except with Half Hood. Weight 75 lbs. 16.00

No. 147 Forge, with Shield. Hearth 22 inches. Height 30 inches. Fan 8 inches. Weight 85 lbs. 24.00

No. 148 Forge, same as No. 147, except with Half Hood. Weight 90 lbs. 27.00



No. 146-S with Half Hood

Forges Nos. 145S and 146S

These Forges are designed for light and medium work on farms, plantations and in garages where a comparatively light weight Forge is desirable.

The fan is driven by cut helical gears running smooth and noiseless in a dust-proof oil-tight gear case.

The hearth is stamped from a single steel sheet of extremely heavy thickness, making a light weight low-priced rigid forge for general agricultural use.

The legs are bolted to the hearth with a heavy steel leg socket, and are strongly braced. 18 inch diameter Hearth—10 inch Fan Case.

No. 145-S with Shield. Weight 55 lbs. Price each $12.00

No. 146-S with Half Hood. Weight 60 lbs. Price each 14.00

No. 145-S with Shield

Bullock Warranted Anvils

Wrought Base, Solid Crucible Tool Steel Face

General Blacksmiths' Pattern

Farrier's Cliphorn Pattern

Our Bullock Anvil is strictly an American product, and because of this is sold on its merits alone and not upon tradition. While the principal features of manufacture are essentially the same as the Peter Wright, it varies in one important particular, i. e., the face *is made in one piece*, whereas the old English method was to weld the face on *in sections about six inches in length*, a fair sized anvil requiring several sections to complete the face.

With the single exception of the face, the Bullock anvil is made in exactly the same manner as the famous old Mousehole and Peter Wright, but with newer and better equipment.

The process of manufacturing the Bullock anvil is as follows The base or bottom part is formed by piling up scrap iron, carefully selected, of course and welding into a solid mass. While still hot it is placed in a die and blocked to shape, the power used being steam. The whole of the upper part including the horn and tail, is also forged from selected scrap Next the tool steel face is welded on, the hardy and pritchel holes punched the tail or heel squared and the horn finished to shape. The two pieces, base and upper part are then welded together at the waist The anvil is then thrown on a finishing block and finished so far as forging goes, with hand tools.

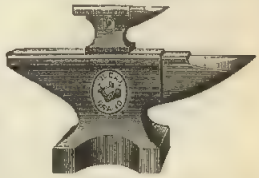
The Bullock is an anvil with horn and heel in perfect proportion, large base that does not require strapping, tempered edges to prevent chipping, level and true face of correct size, also hardy and pritchel holes and other mechanical details of correct accuracy. In addition to this it has the proper resilience between anvil and hammer and a real musical ring. Its proportions overall are correct, its design is graceful, and above all it is stable on the block. Everything considered it is

The Ideal Anvil for Particular Workmen

Size No.	Nominal Weight, Pounds	Variation in Weight, Pounds	Size of Face, Inches	Purpose	Hardy Hole	Farrier's Clip Horn Extra per Lb.	General Blacksmiths' Extra per Lb.
160	75	70 to 80	3½ x 12¼	Light repair work	⅝	$0.01	$0.00½
161	100	95 to 105	3½ x 13½	Farmers' size	⅞	.01	Base
162	125	120 to 130	3¾ x 15	General blacksmiths' and horseshoers', contractors' sizes for ordinary work	1	.01	Base
163	150	145 to 160	4 x 16		1¼	.01	Base
164	200	195 to 210	4¼ x 17½		1½	.01	Base
165	250	240 to 260	4½ x 19		1½	.01	Base
166	300	290 to 310	5 x 20		1¾	.01	Base
167	350	340 to 360	5½ x 22	Machine and heavy forge work	1¾	.01	Base
168	400	390 to 415	5½ x 24		1¾	.01	Base
169	500	475 to 525	6 x 26		1⅞	.01	$0.00½

Vulcan Anvils

Cast Iron Base—Tool Steel Face



These anvils are cheaper than our Bullock warranted anvils, but for occasional use will give satisfactory service.

The body or base is made of Lake Superior charcoal iron of superior mixture—no scrap used.

The face is one solid piece of tool steel thoroughly welded to body by special process.

Face is ground tempered and polished.

Horn is covered with and its extremity made entirely of tough untempered steel.

Number	Approximate Weight, Pounds	Size of Face, Inches	Hardy Hole	Pritchel Hole	Purpose	Price Each
3	30	2¾ x 7½	½	⅝		$ 6.75
4	40	3 x 7¾	⅝	⅝	Very light repair work	8.00
5	50	3 x 8¼	⅝	⅝		9.00
6	60	3¼ x 10½	⅝	⅝		9.75
8	80	3½ x 11½	⅝	⅝		13.00
10	100	3½ x 12½	⅝	⅝	Farmers and contractors use, light blacksmithing, etc	15.00
12	120	3¾ x 13	1	⅝		18.00
15	150	4 x 14	1	⅝		22.50

Peter Wright Anvils

Imported, English

Wrought Iron with Steel Face

Sizes 85 to 500 pounds, base price	Market
Sizes 71 to 84 pounds, add to base price, per pound	$0.01
Sizes 61 to 70 pounds, add to base price, per pound	.01½
Sizes 51 to 60 pounds, add to base price, per pound	.02
Sizes 50 pounds and lighter add to base price, per pound	.05
Farrier's pattern, 147 to 160 pounds, add per pound	.01

Champion Steel Rivet Forges (400 Series)

Equipped with the Famous Champion 400 Blower

No. 401 Forge with Shield. Also furnished with Half Hood and Closed Hood.

The 400 series of Champion Steel Rivet Forges are equipped with the famous "400" noiseless, high-speed geared blowers. The "400" blower is equal to a power machine and will produce a white heat blast which cannot be obtained with the regular hand blower. Operates with marvelous ease, produces a strong, regular and positive blast and will create a welding heat on 4-inch bar iron in ten minutes. Handle can be turned in either direction. Fitted with the highest possible grade of adjustable bearings, with cups and cones lathe turned from the solid bar, hardened as hard as glass, ground and polished to the highest finish, making them perfect and durable high-speed adjustable bearings.

This line of forges is especially intended for railroads, bridge and tank builders, structural steel workers, etc., who know it is always economical to buy the best. They are easily taken apart and set up again. Made of steel throughout, strong and light. Made in several sizes and styles as shown in list below. The No. 401 is the most popular forge.

No.	Price, Each	Style of Forge	Diam. Hearth, Inches	Diam. of Fan, Inches	Height of Forge, Inches	Apprx. Wt. Lbs.
401	$35.00	With Shield	18	9	30	135
402	38 00	With Half Hood	18	9	30	140
403	40 00	With Closed Hood	18	9	30	150
401½	40 00	With Shield	22	9	30	140
402½	43 00	With Half Hood	22	9	30	145
403½	45.00	With Closed Hood	22	9	30	155

Champion Steel Rivet and Toolmakers' Forges

Furnished with Shield, as shown, or Half Hood.

These forges have hearths 24 inches square to which are riveted the angle steel legs. They are equipped with the famous 400 blower, the same as furnished with the No. 401 forge, which is described in detail above, and is large enough to cover the entire surface of the hearth with a hot fire should it be necessary. The blower is noiseless and blast is produced by turning crank in either direction. For many kinds of work a hearth 24 inches square is preferable to one 18 inches in diameter, there being more room for fire, coal and tools. These forges are first quality in every respect and are very popular numbers. Hearth 24x24 inches, height 30 inches; fan 9 inches in diameter.

No. 404. Rivet Forge with Shield as illustrated. weight 180 pounds. Price.....$45.00

No. 405. Toolmakers' Forge with Half Hood Complete, weight 185 pounds. Price..... 49 00

Champion Steel Boilermakers' and Machinists' Forges

These forges have hearths 30 x 30 inches and the blower fan is 10 inches in diameter. The blower is the same as in the No. 401 forge, except that it is a size larger, and is powerful enough for almost any work that can be placed on the hearth. The forges are made of steel throughout with legs riveted to hearth and thoroughly braced, making them firm and rigid. The illustration shows the No. 407 forge which is furnished with half hood. The No. 406 is exactly the same except with shield. Hearth 30x30 inches; height 30 inches, fan 10 inches diameter.

No. 406. Boilermakers' Forge, with shield, weight 255 pounds. Price.....$55.00

No. 407. Machinists' Forge, with half hood, as illustrated. weight 275 pounds. Price..... 60.00

Champion Steel Horseshoers' and Blacksmiths' Forge

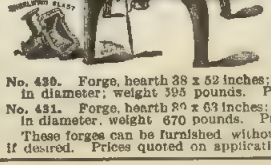
The hearth in this forge is made of unusually heavy steel plate with perpendicular sides 6 inches high, and can be bricked up to suit the needs of any blacksmith. Provided with the famous 400 blower and the Champion whirlwind blast tuyere iron without extra charge. No. 408 Forge can be furnished with tight and loose pulleys for turning blower with power. Height of forge 30 in.; fan 12 in. diam.

No. 408. Hearth 30 x 36 inches, half hood as illustrated; weight 300 lbs. Price.....$65.00

No. 408½. Same as No. 408 with tight and loose pulleys for power, weight 345 pounds. Price... 76.50

No. 409. Hearth 30 x 40 inches; half hood as illustrated; weight 310 pounds. Price..... 70.00

Champion Large Combination Forge



This is an extra heavy cast-iron forge, designed for use in railroad and large blacksmith shops, plow works, etc. The hearth is 6 inches deep and very heavy. It can be built up with fire brick and have every advantage of an all brick or stone forge. Equipped with a 400 blower, whirlwind blast tuyere iron, hood and water tank complete. Height of forge 26 inches.

No. 430. Forge, hearth 38 x 52 inches; fan 12 inches in diameter; weight 395 pounds. Price.....$80.00

No. 431. Forge, hearth 80 x 63 inches; fan 14 inches in diameter, weight 670 pounds. Price..... 90.00

These forges can be furnished without hood and blower if desired. Prices quoted on application.

Blacksmith's Anvil Tools

Highest grade, forged from well designed dies Uniform in size and weight. Properly heat-treated and tempered for the purpose intended. All scale is removed—the tools are sand blasted and finished in black paint—baked on

B. S. Top Swages. (Average Length 5 to 6½ inches)

For shaping, sizing and smoothing round forgings

Size, inches	¼	⅜	½	⅝	¾	⅞	1	1⅛	1¼	1⅜	1½	1¾	2	2½	3
Weight each, pounds	1½	1½	1¾	2¼	2½	2½	2½	3	3	4	4	4	4	6¼	7
Price each	$1.00	$1.00	$1.00	$1.05	$1.05	$1.20	$1.28	$1.35	$1.35	$1.50	$1.60	$1.60	$1.80	$2.20	$2.60

B. S. Bottom Swages. (Average Length 4 to 5½ inches)

We must know size of shank wanted, otherwise we send 1-inch shank, which is standard

For shaping, sizing and smoothing round forgings.

Size, inches	¼	⅜	½	⅝	¾	⅞	1	1⅛	1¼	1⅜	1½	1¾	2	2½	3
Weight each, pounds	2	2	2	2½	2½	2¾	2¾	2¾	2¾	3½	3¾	4½	5½	6½	
Price each	$1.00	$1.00	$1.00	$1.05	$1.05	$1.20	$1.20	$1.35	$1.35	$1.50	$1.60	$1.80	$2.20	$2.60	

For shanks larger than 1-inch double list prices.

B. S. Hardies. (Polished Bits).

For cutting off forgings

Size of shank, inches	½	⅝	¾	⅞	1	1⅛	1¼
Width of bit, inches	1½	1⅝	2	2	2¼	2½	2½
Length over all, inches	3½	4½	5	5½	5½	5½	5½
Weight each, pounds	½	¾	¾	1½	1½	2¼	2¼
Price each	$0.45	$0.50	$0 60	$0.70	$0.75	$0.95	$1.05

B. S. Top Fullers

For necking, grooving and drawing down forgings.

Size, inches	¼	⅜	½	⅝	¾	⅞	1	1⅛	1¼	1⅜	1½	1¾	2	2½	3
Weight each, pounds	2	2	2½	2½	2¼	2¼	3¼	5¼	3¼	3¾	4½	5	5	8	
Price each	$1.00	$1.00	$1.00	$1.05	$1.05	$1.20	$1.20	$1.35	$1.35	$1.50	$1.60	$1.80	$2.20	$2.60	

B. S. Bottom Fullers. (Average Length 4 to 5 inches).

For necking, grooving and drawing down forgings.

Size inches	¼	⅜	½	⅝	¾	⅞	1	1⅛	1¼	1⅜	1½	1¾	2	2½	3
Weight each, pounds	2	2	2	2½	2½	2¾	3	3½	3½	3½	3½	3¾	4¼	5½	6½
Price each	$1.00	$1.00	$1.00	$1.05	$1.05	$1.20	$1.20	$1.35	$1.35	$1.50	$1.60	$1.80	$2.20	$2.60	

We must know size of shank wanted—otherwise we send 1-inch shank. For larger shanks double list prices.

B. S. Cold Chisels

Width of bit, inches	1	1¼	1½	1⅝	1¾	1¾	2
Length, inches	6¾	6¾	6½	7	7¼	7¾	8
Weight each, pounds	1½	1½	2	2½	3	4½	5½
Price each	$0.60	$0.70	$0.80	$0.95	$1.10	$1.80	$2.25

B. S. Hot Chisels

Width of bit, inches	1	1¼	1½	1⅝	1¾	1¾	2
Length, inches	6½	6¾	7¼	8½	8½	8¾	9
Weight each, pounds	1½	1½	2	2½	2¾	3¾	5
Price each	$0.60	$0.70	$0.80	$0.95	$1.10	$1.80	$2.25

B. S. Flatters

For smoothing and finishing flat forgings.

Size of face, inches	2	2¼	2½	2¾	3	3¼	3½	4
Length over all, inches	4½	5	5	5	5½	5½	5½	6
Weight each, pounds	2¾	2½	3¼	4	4¾	5½	6¼	7½
Price each	$1.10	$1.35	$1.50	$1.70	$1.90	$2.40	$2.65	$3.80

B. S. Set Hammers

For setting down the metal in a forging to form a square corner at point where section changes.

Face, inches square	1	1⅛	1¼	1⅜	1½	1¾	2
Length, inches	5	5	5	5½	5½	5½	6
Weight, pounds	1	1½	1¾	2¼	3	3¾	5¼
Price each	$0.80	$0.80	$0.80	$0.95	$1.10	$1.25	$1.50	$1.90

B. S. Round Eye Punches. (Length about 8 inches).

Diameter of point, inches	¼	⅜	½	⅝	¾	⅞	1
Weight each, pounds	1½	1¾	1¾	1¾	2½	2¾	3½
Price each	$0.80	$0.80	$0.80	$0.80	$1.00	$1.05	$1.15	$1.35

B. S. Eye Center Punch

Length 6 inches, weight 2 pounds, price each. $1.35

B. S. Heading Tools

For holding bolts while forming the head. Lengths ranging from 12¼ to 14½ inches.

Diameter of hole, inches	¼	⅝	⅜	½	⅝	¾	⅞	1
Weight each about, lbs.	2½	2¾	2¾	2¾	2¾	3¾	3¾	4¾	4¾
Price each	$1.25	$1.25	$1.25	$1.25	$1.25	$1.60	$1.60	$1.80	$1.90

Toe Knives
Weight 8 lbs. to doz.
Price each $0.90

Buffers
Weight 6½ lbs. to doz
Price each $0.09

Pritchels
Weight 10 lbs to doz
Price each. $0.60

Blacksmiths' Hammer Handles listed elsewhere. See index.

Blacksmiths' Tongs, Etc. *(Tongs are measured overall)*

Drop Forged from Solid Steel—Uniform in Size and Weight—Good Design

Straight Lip Tongs

For Flat Thin Work

Heavy stock in jaws. Can be shaped by blacksmith to suit his individual needs.

Number	11	12	13	14	15	16
Length, inches	16	18	20	22	24	30
Weight, pounds	1⅝	2	2¼	2⅝	3	4½
Price, pair	$0.75	$0.80	$0.85	$0.90	$0.95	$1.10

With Notch in Jaws to Hold Squares

Number	V17	V18	V19	V20	V21	V22
Holds square	¼	⅜	½	⅝	¾	⅞
Length, inches	18	18	20	20	22	22
Weight, pounds	2¼	2½	2⅝	2¾	3	3
Price, pair	$0.95	$0.95	$1.00	$1.00	$1.20	$1.20

Number	V23	V24	V25	V26
Holds squares	⅞	1	1⅛	1¼
Length, inches	24	24	24	26
Weight, pounds	3¼	3½	3¾	3¾
Price, pair	$1.30	$1.30	$1.40	$1.60

Bolt Tongs

For Round Work

Opening behind jaws gives space for head of bolt.

Number	17	18	19	20	21
Holds rounds	¾	⅝	⅞	½	⅝
Length, inches	18	18	20	20	22
Weight, pounds	1¾	1¾	2	2¼	2¾
Price, pair	$0.95	$0.95	$1.00	$1.00	$1.20

Number	22	23	24	25	26
Holds rounds	¾	⅞	1	1⅛	1¼
Length, inches	22	24	24	24	24
Weight, pounds	2¾	3	3	3⅜	3¾
Price, pair	$1.30	$1.30	$1.30	$1.40	$1.40

Double Pick-Up Tongs

For Hot Work, Round or Flat

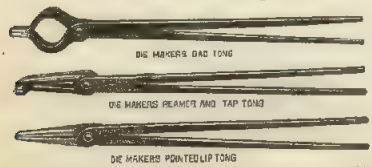
Number	27	28	29	30
Length, inches	18	20	22	24
Weight, pounds	2¾	2⅞	3	3⅛
Price, pair	$1.20	$1.30	$1.35	$1.50

Single Pick-Up Tongs

For hot work. Jaws are larger than double pick-up and will handle heavier work.

No. 31. Length 22 inches, weight 2½ pounds, pair $1.50

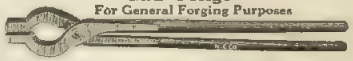
Die Makers Tongs



16-inch Gad Tongs, price, pair $1.25
16-inch Reamer and Tap Tongs, price, pair 1.25
16-inch Pointed Lip Tongs, price, pair 1.25

Gad Tongs

For General Forging Purposes



Number	32	33	34	35
Length, inches	18	20	22	24
Weight, pounds	2⅝	2¾	3	3¼
Price, pair	$0.90	$1.00	$1.15	$1.50

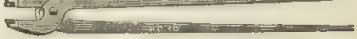
Horseshoers' Tongs

For Holding Horseshoes. Jaws Recessed on Inside

Number	36	37	38
Length, inches	12	14	16
Weight, pounds	1	1⅛	1¼
Price, pair	$0.75	$0.80	$0.85

Lathe Tool Tongs

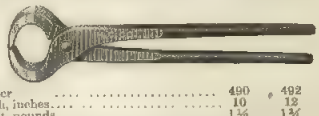
For Holding Bar Stock when Forging Lathe Tools



Number	39	40	41	42	43
Holds	¾x¾	⅝x⅝	1x1½	1x1½	1¼x⅞
Length, inches	16	18	20	22	24
Weight, lbs	2¼	2⅝	2⅞	3	4
Price, pair	$1.65	$1.75	$1.85	$2.00	$2.25

Blacksmiths' Pincers

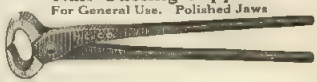
For General Use, Shop and Farm. Polished Jaws



Number	490	492	494
Length, inches	10	12	14
Weight, pounds	1¾	1¾	2
Price, per pair	$0.90	$1.00	$1.20

Nail Cutting Nippers

For General Use. Polished Jaws



Number	482	484
Length, inches	12	14
Weight, pounds	1¾	2
Price, per pair	$0.90	$1.15

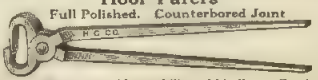
Farreirs' Pincers

Thin Polished Jaws for Removing Shoes

Number	243	244
Length, inches	13	14
Weight, pounds	2¾	2¾
Price, per pair	$1.95	$2.10

Hoof Parers

Full Polished. Counterbored Joint



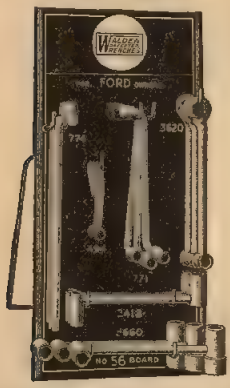
Flat lip is offset to avoid possibility of binding. Cutting lip is as light as practical.

No. 262. 12 inches. Price, each $2.40
No. 264. 14 inches. Price, each 2.90

WALDEN-WORCESTER SOCKET WRENCHES

DISPLAY BOARDS

No. 56
WRENCHES FOR FORD OWNERS



For display on counters, walls or in windows, attractively lithographed board *free* with the following wrenches.
This board carries three each of the following wrenches: 494, 774, 771, 2418, 3620, 5660.
Size of board 2 ft. x 1 ft.
Wrenches, hooks and board, packed for shipment. 24 lbs.
No. 56 complete with 18 wrenches **$14.70**

No. 39C
WRENCHES FOR CHEVROLET OWNERS

Arranged for use on counters, walls or in windows.
An attractive display board *free*, with the following wrenches.
This board carries three each of the following wrenches: 391, 494, 2418, 2716, 5660.
Size of board 2 ft. x 1 ft.
Wrenches, hooks and board, packed for shipment. 21 lbs
No. 39C complete with 15 wrenches **$11.85**

No. R80
WRENCHES FOR FORD CARS

Handsomely lithographed board *free* with the following wrenches.
This board carries three each of the following wrenches: VG3, 773, 1018, 1020, 1620, R1881, 2418, 2718, 3620, 3822, R4564, 5660, 5810, 6018, 6020, 6054.
Size of board 6 ft. x 2 ft.
Wrenches, hooks and board, packed for shipment. 102 lbs.
No. R80 complete with 48 wrenches **$47.70**

No. 39B
FOR CHEVROLET CARS

This attractive display board *furnished free* with the following wrenches.
This board carries three each of the following wrenches: 391, 395, 494, 2418, 2716, 2718, 2724, 5660, 6016, 6018.
Size of board 6 ft. x 2 ft.
Wrenches, hooks and board, packed for shipment. 80 lbs.
No. 39B complete with 30 wrenches **$23.25**

WALDEN-WORCESTER SOCKET WRENCHES

STEEL MERCHANDISING CABINET

No. 1100

FOR INTERCHANGEABLE WRENCHES, SOCKETS AND PARTS

A "merchandiser" in every sense of the word—all steel—substantial—convenient—attractive—carrying a selection of interchangeable handles, sockets and parts. An ideal cabinet for dealers who are selling to mechanics and car owners.

All parts and sockets are interchangeable with each other, enabling mechanics to make innumerable combinations to take care of unusual demands.

Sockets are chrome nickel, insuring strength and wear. Braces have solid steel grips and forged square ends for sockets.

The Tee handle wrenches have a sliding bar or handle so that they may be used as Tee or L wrenches.

The reversible back spin ratchet can be used in combination with Tee handles (long or short shank), offset handles or brace speed wrenches.

The assortment has been selected in proportion to the demand, with ample space for additional sockets or wrenches as the individual needs may require.

Contents

No.	
3—1119	Long Shank Speed Wrenches, 21 inches over all, 10-inch shank, with solid steel grips.
3—1115	Short Shank Speed Wrenches, 14⅛ inches over all, 4¼-inch shank, with two solid steel grips.
3—1127	Long Shank Tee Handles, 12-inch shank with 10-inch sliding cross bar.
3—1106	Short Shank Tee Handles, 6-inch shank with 8-inch sliding cross bar.
3—1113	Back Spin Reversible Ratchets, 2¾ inches over all, 1-inch diameter.
3—1111	Sliding cross bars, 10 inches long, ⅜-inch wire.
3— 712	Ratchet Wrenches.
3—1109	Plug Connectors.
3—1139	9-inch Extension Bars.
3—1110	Socket Connectors.
3—1125	Offset Handles.
3—1102	Universal Joints.

CHROME NICKEL SOCKETS

Hexagonal

2—225.
3 each 214, 219, 226, 231, 232, 234, 236, 240.
5 each 216, 218, 220, 222, 224, 228, 230.

Square

2 each 112, 114, 116, 118, 120, 122, 124, 128.

Quantity	No.	Each
2	112	$0.40
2	114	.40
2	116	.40
2	118	.45
2	120	.50
2	122	.55
2	124	.65
2	128	.40
3	214	.40
5	216	.40
5	218	.40
3	219	.40
5	220	.40
5	222	.45
5	224	.45
2	225	.50
3	226	.50
5	228	.50
5	230	.60
3	231	.60
3	232	.65
3	234	.65
3	236	.65
3	240	2.00
3	712	1.80
3	1102	1.00
3	1106	.35
3	1109	.35
3	1110	.75
3	1111	1.75
3	1113	1.30
3	1115	1.20
3	1119	.80
3	1125	1.40
3	1127	.60
3	1139	

113 Wrenches and Sockets for assortment No 1100....$76.90

Steel Cabinet (net price)..... 6.00

WALDEN-WORCESTER SOCKET WRENCHES

INTERCHANGEABLE SOCKET WRENCH SETS

No. 27

A complete heavy duty socket wrench set for use by mechanics or millwrights in station, garage or general factory and mill service. All parts nickel plated.

Contents

No.
712—11-inch Ratchet Wrench.
1143—Tee Handle and Extension Shank.
1125—Offset Handle.
1163—Brace Wrench.
1102—Universal Joint.
1109—Plug Connectors (2).
1108—Extension Top.
1139—9-inch Extension Bar.
16 Hex. Sockets—$\frac{1}{4}$, $\frac{5}{16}$, $\frac{3}{8}$, $\frac{7}{16}$, $\frac{1}{2}$, $\frac{9}{16}$, $\frac{5}{8}$, $\frac{11}{16}$, $\frac{3}{4}$, $\frac{13}{16}$, $\frac{7}{8}$, $\frac{15}{16}$, $1\frac{1}{16}$, 1, $1\frac{1}{8}$, $1\frac{3}{16}$, $1\frac{1}{4}$.
11 Square Sockets—$\frac{3}{8}$, $\frac{7}{16}$, $\frac{1}{2}$, $\frac{9}{16}$, $\frac{5}{8}$, $\frac{11}{16}$, $\frac{3}{4}$, $\frac{7}{8}$, 1, $1\frac{1}{8}$, $1\frac{1}{4}$.

THE ALL-STEEL TOOL BOX

in which this set is furnished is strong and substantial, yet light and compact, with a place for each part. It is designed for convenience and durability, with space provided for additional tools.

The leather grip handle makes it easy to carry the set from one job to another while the lock assures safety.

No.	Wt. per set		Per set
27	Set	21 lbs	**$26.00**

No. 16

A most desirable socket wrench set for owner's use and for general service. All parts nickel plated.

Contents

No.
712—11-inch Ratchet Wrench.
1130—9-inch Extension Bar
1102—Universal Joint.
1109—Plug Connectors (2).
16 sockets—Hex. $\frac{1}{4}$, $\frac{5}{16}$, $\frac{3}{8}$, $\frac{7}{16}$, $\frac{1}{2}$, $\frac{9}{16}$, $\frac{5}{8}$, $\frac{11}{16}$, $\frac{3}{4}$, $\frac{13}{16}$, $\frac{7}{8}$, $\frac{15}{16}$, $1\frac{1}{16}$, 1, $1\frac{1}{8}$, $1\frac{3}{16}$, $1\frac{1}{4}$.

THE ALL-STEEL TOOL BOX

in which this set is furnished is strong and substantial, yet light and compact, with a place for each part. It is designed for convenience and durability, with space provided for additional tools.

No.	Wt. per set		Per set
16	Set	10 lbs.	**$14.00**

No. 26

Especially well adapted for use in service stations, garages and repair shops, on all classes of automotive work. This set is the same as the No. 27 set, except that it does not contain the series of square sockets. All parts nickel plated.

Contents

No.
712—11-inch Ratchet Wrench.
1143—Tee Handle and Extension Shank.
1125—Offset Handle.
1163—Brace Wrench.
1102—Universal Joint.
1109—Plug Connectors (2).
1108—Extension Top.
1139—9-inch extension bar.
16 Hex. Sockets—$\frac{1}{4}$, $\frac{5}{16}$, $\frac{3}{8}$, $\frac{7}{16}$, $\frac{1}{2}$, $\frac{9}{16}$, $\frac{5}{8}$, $\frac{11}{16}$, $\frac{3}{4}$, $\frac{13}{16}$, $\frac{7}{8}$, $\frac{15}{16}$, $1\frac{1}{16}$, 1, $1\frac{1}{8}$, $1\frac{3}{16}$, $1\frac{1}{4}$.

THE ALL-STEEL TOOL BOX

in which this set is furnished is strong and substantial, yet light and compact, with a place for each part. It is designed for convenience and durability, with space provided for additional tools.

The leather grip handle makes it easy to carry the set from one job to another, while the lock assures safety.

No.	Wt. per set		Per set
26	Set	22 lbs.	**$20.00**

No. 25

Designed for garages, service stations and repair shops. Reasonable in price. Has extra heavy duty handles and interchangeable steel sockets which offer quick change possibilities and give a wide range of use.

Contents

No.		
1—**1125**	Offset handle.	
1—**1143**	Combination Tee Handle and Extension Bar.	
1—**1163**	Brace Wrench	
12 Sockets—Hexagonal.		

No.	Size.	No.	Size.	No.	Size
214	$\frac{7}{16}$ in.	**222½**	$\frac{13}{16}$ in.	**232**	1 in.
216	$\frac{1}{2}$ in.	**224**	$\frac{7}{8}$ in.	**234**	$1\frac{1}{16}$ in.
218	$\frac{9}{16}$ in.	**226**	$\frac{15}{16}$ in.	**236**	$1\frac{1}{8}$ in.
220	$\frac{5}{8}$ in.	**230**	$1\frac{1}{16}$ in.	**240**	$1\frac{1}{4}$ in.

THE ALL-STEEL TOOL BOX

in which this set is furnished is strong and substantial, yet light and compact, with a place for each part. It is designed for convenience and durability, with space provided for additional tools.

The leather grip handle makes it easy to carry the set from one job to another, while the lock assures safety.

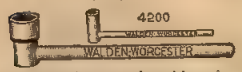
No.	Wt. per set		Per set
25	Set	13 lbs.	**$12.00**

WALDEN-WORCESTER SOCKET WRENCHES

OFFSET TYPES

SINGLE END OFFSET—1 SOCKET

4200 Series



The 4200 series meets a demand for an improved type of heavy duty offset wrenches. The sockets are so designed as to provide a reasonable depth of clearance for places where the bolt may extend through the nut. The outside diameter of the socket is held down as far as practical to permit of the greatest possible clearance in operation. The sockets are all heat treated, plain lacquer finish.

We call particular attention to the complete data chart with specifications shown below.

HEAVY DUTY OFFSET SOCKET WRENCHES 4200 SERIES											
4200 SERIES		ADJACENT SIZES		DIMENSIONS				WEIGHTS			
STOCK NO	SOCKET SIZE	S.A.E. hex-flat screws	U.S. STAND. NUTS	U.S. CAP SCREWS	HANDLES	O.D. SOCKET	LENGTH SOCKET	DIAMETER—HANDLE	COMPLETE	SOCKET ONLY	LIST PRICES
4214	7/16	1/4		1/4	3/8×6	3/4	2	1 1/8	64	28	.70
4216	1/2	5/16	1/4	5/16	1/2×8	13/16	2	5/8	8	33	.75
4218	9/16	3/8		3/8	1/2×8	7/8	2	1 5/32	86	38	.80
4219	19/32			5/16		9/16	2	1 5/32	94	44	.85
4220	5/8	7/16		7/16	5/8×10	1	2	1 5/32	123	50	.85
4222	11/16		3/8		5/8×10	1 1/16	2	1 5/32	130	57	.90
4224	3/4	1/2		1/2	5/8×10	1 1/8	2	1/4	140	64	.95
4225	25/32		7/16		5/8×12	1 3/16	2	1 1/4	145	71	1.00
4226	13/16			9/16	5/8×10	1 1/4	2	1 1/4	155	79	1.00
4228	7/8	9/16	1/2	5/8	5/8×10	1 5/16	2 1/4	1 3/8	140	50	1.10
4230	15/16	5/8			5/8×10	1 3/4	2 1/4	1 3/8	50	80	1.10
4231	1	5/16			5/8×10	1 3/4	2 1/4	1 3/8	150	80	1.30
4232	1	1 1/16		3/4	3/4×12	1 3/4	2 1/2	1 3/8	160	80	1.40
4234	1 1/16	3/4	5/8		3/4×12	1 3/4	2 1/2	1 1/2	200	75	1.85
4236	1 1/8			7/8	3/4×12	1 3/4	2 1/2	1 5/8	210	88	1.80
4238	1 3/16				3/4×12	1 3/4	3	1 5/32	250	125	1.95
4240	1 1/4	7/8	3/4		3/4×12	1 3/4	3	2	300	125	2.20
4242	1 5/16				3/4×12	1 3/4	3	2 1/4	350	165	2.30
4244	1 3/8			1	3/4×12	1 3/4	3	2 1/4	350	165	2.50
4246	1 7/16	1	7/8		3/4×12	1 3/4	3 1/2	2 1/2	475	150	3.00
4248	1 1/2			1 1/4	3/4×12	1 3/4	3 1/2	2 1/2	475	150	3.00
4250	1 3/16				3/4×12	1 3/4	3 1/2	2 5/8	550	245	3.50
4252	1 3/8	1/8	1		3/4×12	1 3/4	3 1/2	2 5/8	550	245	3.50
4254	1 5/16				3/4×12	1 3/4	3 1/2	2 5/8	600	285	4.00
4256	1 3/4				1×20	1 3/4	3 1/2	2 5/8	725	285	4.50
4258	1 5/16	1 1/4	1 1/8		1×20	1 3/4	3 1/2	2 5/8	725	285	4.50
4260	1 7/8				1×24	2 1/4	4 1/2	3 1/16	900	350	5.00
4264	2	1 5/8	1 1/2		1×24	2 1/4	4 1/2	3 1/16	950	400	5.00

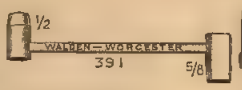
SINGLE END OFFSET—1 SOCKET

No.	Socket Size	Each
496	5/16	$0.50
497	3/8	.50
498	7/16	.50
494	1/2	.50
499	9/16	.50

DOUBLE END OFFSET—2 SOCKETS

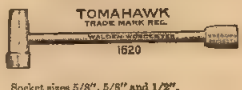
Socket sizes 1-1/16" and 1".
Length overall 10-3/4".
No. 762 Each $1.35

DOUBLE END OFFSET—2 SOCKETS



Socket sizes 1/2" and 5/8".
Length overall 8-3/16".
No. 391 Each $.80

DOUBLE END OFFSET—3 SOCKETS

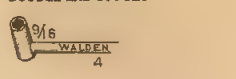


Socket sizes 5/8", 5/8" and 1/2".
Length overall 9-1/2".
This is the original triple socket wrench trade-mark "TOMAHAWK" having 1' rod connecting the 2 sockets.
No. 1620 Each

DOUBLE END OFFSET—2 SOCKETS

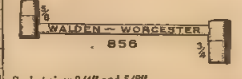
Socket sizes 9/16" and 3/4".
Length overall 9-3/16".
No. 2418 Each $.90

DOUBLE END OFFSET-



Socket sizes 1
Length over
No. 444

DOUBLE END OFFSET—2 SOCKETS

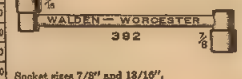


Socket sizes 3/4" and 5/8".
Length overall 10-1/8".
No. 856 Each $1.10

DOUBLE E...

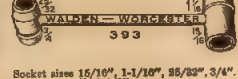
Socket sizes 15/16", 7/8" and 11/16".
Length overall 10-1/2".
No. 5660 Each $1.10

DOUBLE END OFFSET—2 SOCKETS



Socket sizes 7/8" and 13/16".
Length overall 10-5/8".
No. 392 Each $1.10

DOUBLE END OFFSET—4 SOCKETS



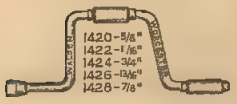
Socket sizes 15/16", 1-1/16", 25/32", 3/4".
Length overall 10-3/8".
No. 393 Each $1.80

WALDEN-WORCESTER SOCKET WRENCHES

BRACE AND SPEED TYPES

BRACE RIM WRENCHES

No. 1400 Series



Tire and Rim Wrenches are subject to abusive treatment many times, but our 1925 models are made heavier to meet any emergency.

No.	Size	Each
1420	5/8	$1 10
1422	11/16	1.10
1424	3/4	1.10
1426	13/16	1.10
1428	7/8	1.10

BRACE RIM WRENCHES

No. 1700 Series—Single Socket

FOUR SIZES, EACH 50 CENTS

No. 1720—5/8" No. 1724—3/4"
No. 1722—11/16" No. 1728—7/8"
No. 1706—7/8" Deep Socket (For Disteel Wheels.)

BRACE RIM WRENCHES

No. 1700 Series—Double Socket

TWO SIZES, EACH $.80

No. 1710 Double End Brace 3/4" and 7/8" Deep Socket
(Both sizes for Disteel Wheels.)
No 1715 Double End Brace 3/4" and 1"
(Both sizes for Budd Michelin Wheels.)

ADAPTION LIST

Car	Use Wrench
Buick	1424-1724
Cadillac	1420-1720
Chandler	1421-1724
Chevrolet	1424-1724
Chrysler	1424 1724
Cleveland	1424 1724
Dodge	1420 1720
Dort	1421 1720
Durant	1424 1724
Essex	1424-1724
Flint	1424-1724
Ford	1420-1720
Franklin	1424 1724
Gardner	1424 1724
Gray	1420-1720
H. C. S.	1424-1724
Haynes	1420-1720
Hudson	1424-1724
Hupmobile	1420-1720
Jewett	1424-1724
Jordan	1422-1722
Lincoln	1420-1720
Marmon	1424-1724
Maxwell	1424-1724
Nash	1420-1720
Oakland	1424-1724
Oldsmobile	1424-1724
Overland	1424-1724
Packard	1422 1722
Paige	1424-1724
Peerless	1420-1720
Pierce-Arrow	1422-1722
Reo	1424-1724
Rickenbacker	1424-1724
Rollins	1424 1724
Star	1424-1724
Studebaker	1420-1720
Stutz	1424-1724
Wills St. Claire	1424-1724
Willys-Knight	1424-1724

SHORT SHANK SPEED WRENCH

No.	Size	Length	Each
6064	1/2	13 5/8"	$ .80
6072	9/16	13 5/8"	.80

LONG SHANK SPEED WRENCH

Socket size 9/16".
Length overall 28-1/4".
No. 6218 **Each $1.20**

SPEED WRENCHES

No. 6000 Series

Length overall 10".
Brace socket speed wrenches are most effective when used on a series of nuts or bolts of the same size, upon work such as the removal and replacement of cylinder heads they effect remarkable time saving.

Also especially useful on the following places:

Crank case or oil pan
Cylinder head
Transmission cover
Transmission support
Clutch case support
Timing gear case cover
Rear axle housing
Intake Manifold
Exhaust Manifold.

No.	Size	Each
6014	7/16"	$0.90
6016	1/2"	.90
6018	9/16"	.90
6019	19/32"	.90
6020	5/8"	.90
6022	11/16"	.90
6024	3/4"	.90
6025	25/32"	.90
6026	13/16"	.90
6028	7/8"	.90

NUT AND BOLT SPEEDERS

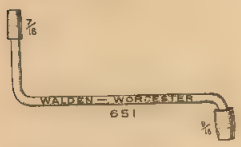
Socket sizes 1/2" and 1/2".
Length overall 20 1/4.
No. 6316 **Each $3.00**

Socket sizes 9/16" and 9/16".
Length overall 20 1/4.
No. 6318 **Each $3.00**

WALDEN-WORCESTER SOCKET WRENCHES

OFFSET TYPES

DOUBLE END OFFSET—2 SOCKETS



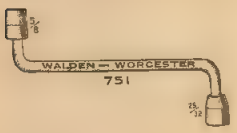
Socket sizes 7/16" and 9/16".
Length overall 10-3/16"
No. 651 Each $.80

L TYPE—2 SOCKETS

Socket sizes 1/2" and 9/16".
Shanks 4" x 4".
No. 395 Each $.70

Socket sizes 3/8" and 7/16".
Shanks 4" x 4".
No. 396 Each $.70

DOUBLE END OFFSET—2 SOCKETS



Socket sizes 5/8" and 25/32".
Length overall 9-7/8".
No. 751 Each $.80

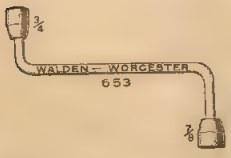
L TYPE—2 SOCKETS

Socket sizes 7/16" and 1/2".
Shanks 8" x 8".
No. 852 Each $.80

Socket sizes 9/16" and 11/16".
Shanks 8" x 8".
No. 752 Each $.80

Socket sizes 3/4" and 7/8".
Shanks 8" x 8".
No. 394 Each $.85

DOUBLE END OFFSET—2 SOCKETS



Socket sizes 7/8" and 3/4".
Length overall 9-1/16".
No. 653 Each $.80

TEE HANDLE TYPES

2700 Series

Handle 9" Shank 12"

This Tee Handle type socket wrench is our original design and has been popular with the mechanic and the trade in general for over twelve years. The loop type handle has always been a great favorite with the user on account of the special hand fitting design, permitting the operator to get a good grip without hurting hand when setting up tight.

No.	Size	No.	Size
2714	7/16	2722	11/16
2716	1/2	2724	3/4
2718	9/16	2725	25/32
2719	19/32	2726	13/16
2720	5/8	2728	7/8

2700 Series. All Sizes. Each $.85

UNIVERSAL JOINT TEE HANDLE WRENCHES

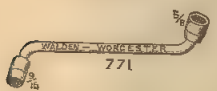
The "TeeFlex" series offers mechanics a tool with all the rugged reliability and serviceability of a Tee Handle Socket Wrench of rigid type with the added advantage of a universal joint, built integral with the tool. The "TeeFlex" series, therefore, can be operated in difficult and seemingly impossible places; on such work as taking off cylinder to base bolts, removing manifold (certain cars), removing body bolts, removing oil pan (certain cars), brake support.

1016-1/2"	Each $2.00
1018-9/16"	Each 2.00
1020-5/8"	Each 2.00
1022-11/16"	Each 2.00
1024-3/4"	Each 2.50
1028-7/8"	Each 2.50

WALDEN-WORCESTER SOCKET WRENCHES

WRENCHES FOR FORD CARS

FOR CARBURETOR FLANGE AND GENERATOR

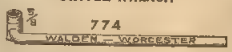


Socket sizes 9/16" and 5/8".
Length overall 9-7/8".

The 9/16" hex. end is properly designed to reach both flange bolt nuts with carburetor and intake manifold in place on engine. It allows carburetor flange bolts to be tightened in place or the carburetor to be taken off or put on without disturbing the intake manifold.
The 5/8 end for generator gives sufficient length of shank to clear breather plate and commutator. The other end is so designed that the end will clear both radiator shell and fan, thus permitting the generator cap screws to be tightened with ease and convenience.

No. 771 **Each $.80**

FOURTH CONNECTING ROD SWIVEL WRENCH



Socket size 5/8".
Length overall 13-3/4".
An innovation in socket wrenches for reaching the fourth connecting rod. The new feature —the swivel action of the socket on the handle—allows the use of the handle at many different angles.
The wrench is, therefore, especially well adapted for reaching the fourth connecting rod because it can be used with the crankshaft in any position.
The offset design of the wrench allows an increased angular swing of the handle. By turning the socket so that the large end is on the opposite side to the position in starting, this increased swing is made possible.
Also useful for both inlet and outlet water cylinder connection cap screws.

No. 774 **Each $.80**

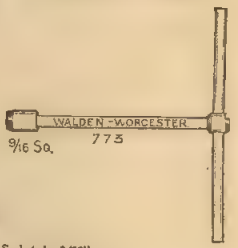
MAIN BEARING SWIVEL WRENCH

Socket size 9/16" sq.
Length overall 13-3/4".

The swivel action of the socket on the handle (illustrated below) permits using this wrench on the front main bearing and the center main bearing *without taking the motor out.* The offset design and the swivel action of the wrench gives it extra swing and leverage.

No. 775 **Each $.80**

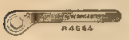
MAIN BEARING TEE HANDLE



Socket size 9/16" sq.
Length overall 10".
This wrench is so designed that it may be used on the center main bearing *with the motor assembled* and on the front main bearing *when the motor is out.*

No. 773 **Each $1.50**

RATCHET WRENCH



11/16" hex. opening.
Length overall 6-3/8".
Used on: Ford brake and reverse transmission bands.

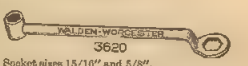
No. R4564 **Each $.55**

CONNECTING ROD WRENCH

Socket size 5/8".
Length overall 10-5/16".
Fits all connecting rod nuts including the fourth connecting rod.

No. 5810 **Each $.60**

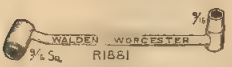
FOR SPARK PLUG AND CYLINDER HEAD



Socket sizes 13/16" and 5/8".
Length overall 11".
Used on: Cylinder head cap screws, spark plugs, water cylinder inlet, water cylinder outlet, differential oil plug drain, transmission drain plug.

No. 3620 **Each $.80**

DOUBLE END OFFSET—2 SOCKETS



Socket sizes 9/16" hex. 9/16" sq.
Length overall 9-7/16".

The 9/16" square socket end on this wrench, redesigned to take both the center and front main bearing on the Ford car. The socket has been so put as to enable the operator to get a good grip without hurting hand when setting up tight.
The 9/16" hex. socket on the other end has a very thin wall for clearance and is intended for wrist pin use only. It is not guaranteed for general use.
Used on: Front main bearing, center main bearing, wrist pin clamp screw, running board bracket, running board to fenders, front spring clamp bolt center.

No. R1881 **Each $1.20**

UNIVERSAL JOINT TEE HANDLE

Socket size 5/8".
Length overall 13-1/4".
Used on: Connecting rod, cylinder head, water cylinder inlet connection.

No. 1620 **Each $2.00**

FOR FLY WHEEL CAP SCREW

Socket size 11/16".
Length overall 11-3/4".
Used on: Fly wheel cap screws.

No. 3822 **Each $.70**

For prices, see page 1474

WALDEN-WORCESTER SOCKET WRENCHES

TEE HANDLE WRENCHES

4300 Series

This is a Tee Handle wrench of extra strength with extra depth sockets, heat treated for heavy duty work. The sliding bar can be used as an L or Tee as the case may require. Plain lacquer finish.

We call particular attention to the information chart listed below.

HEAVY DUTY TEE-HANDLE SOCKET WRENCHES 4300 SERIES

4300 Series		10 Point Socket		DIMENSIONS				WEIGHTS		
STOCK NO.	SOCKET SIZE	S.A.E. Hexagon & Square	U.S. Std. NUTS	U.S. Std. SCREWS	HANDLE SIZE	"OFFSET" SHANK DIAMETER	O.D. SOCKET	SOCKET LENGTH	COMPLETE	SOCKET ONLY	LIST PRICE
4314	3/16	1/4		1/2	9x0.8	.15	3/8	2	1.31	.28	1.25
4316	1/4	5/16	1/4	5/8	9x0.8	.15	1/2	2	1.37	.33	1.55
4318	5/16	3/8		3/8	9x0.8	.15	1/2	2	1.37	.38	1.65
4319	3/8		5/16		9x0.8	.15	1/2	2	1.43	.50	1.55
4320	5/16	3/8		1/2	9x0.8	.15	1/2	2	1.56	.50	1.55
4322	11/16		3/8		9x0.8	.15	9/16	2	1.68	.57	1.65
4324	3/4	1/2		1/2	9x0.8	.15	5/8	2	1.75	.64	1.70
4325	25/32		3/16		9x0.8	.15	5/8	2	1.88	.79	1.75
4326	13/16			5/8	9x0.8	.15	5/8	2	2.06	.79	1.75
4328	7/8	3/4	1/2	5/8	9x1.0	.12	7/8	2	2.31	.91	1.80
4330	15/16	5/8			9x1.0	.12	15/16	2	2.37	.91	1.85
4331	31/32		3/16		9x1.0	.12	15/16	2	2.43	.93	2.15
4332	1	11/16		3/4	9x1.0	.12	1	2	2.43	1.10	2.25
4334	1 1/16	3/4	5/16		9x1.0	.12	1 1/16	2	2.62	1.12	2.70
4336	1 1/8			7/8	9x1.0	.12	1 1/16	2	2.62	1.20	3.00
4338	1 3/16				9x1.0	.12	1 1/8	3	2.75	1.31	3.15
4340	1/4	7/8	3/4	1	9x1.2	.12	1 3/16	3	3.06	1.31	3.50
4342	5/16				9x1.2	.12	1 1/4	3	3.43	1.40	3.80
4344	1 3/8			1 1/8	9x1.2	.12	1 5/16	3	3.43	1.43	4.05
4346	1 7/16	1	7/8		9x1.2	.12	1 3/8	3	3.56	1.68	4.50
4348	1 1/2			1 1/4	9x1.2	.12	1 3/8	3	4.68	1.85	4.95
4350	1 5/16				9x1.2	.12	1 7/16	3	5.37	2.50	5.95
4352	1 5/8	1 1/8	1		9x1.2	.12	1 1/2	3	5.37	2.50	5.40
4354	1 11/16				9x1.2	.12	1 5/8	3	5.56	3.05	5.85
4356	1 3/4				9x1.2	.12	1	3	6.31	3.06	6.00
4358	1 15/16	1 1/4	1 1/8		9x1.2	.12	1	3	6.68	3.06	6.30
4360	1 1/8				9x1.2	.12	1	3	7.25	3.56	6.75
4364	2	1 5/16	1 1/4		9x1.2	.12	1	3	7.68	3.93	7.20

DRAIN PLUG SERVICE SET

The hexagon and square sockets and plugs in this set were especially selected for draining and re-filling crank cases, transmissions and differential housings. It will do away with a lot of make-shift equipment heretofore used, thereby saving considerable time and also preserving the life of the head of the plugs themselves.

This particular assortment will take care of better than 90 per cent of the passenger cars and trucks being built. The sliding bar handle can be used as a Tee or Offset as the case may require. specially useful in all oil and service stations and equally convenient and necessary for regular garage use.

Contents:

1 No. 1124 Tee Handle having a 4-inch shank with cross bar for use with sockets and plugs.
7 Hexagon Sockets—1/2, 9/16, 11/16, 1, 1 1/16, 1 1/8, 1 1/4.
9 Square Sockets—5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16.
8 Plugs—7/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4.

Packed in substantial tool box 12 1/2 x 5 1/2 x 2 5/8 inches. Weight of set complete, 4 lbs., 8 ozs.

QUINTET
TRADE MARK REG.

TIRE AND RIM WRENCH

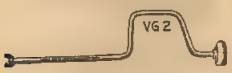
Length over all, 14 inches.

A very substantial brace with 12-inch sweep. On shank of brace is a holder for five interchangeable sockets which are held by ball-friction, so the sockets will not drop off. Sockets include standard sizes 5/8, 11/16, 3/4 and 7/8. Any socket may be replaced from regular stock. The longer shank on brace provides ample clearance for all standard tires and rims.

WALDEN-WORCESTER SOCKET WRENCHES

WRENCHES FOR FORD CARS

LONG SHANK BRACE GRINDER



Length overall 18-11/16".
Fork end flexible and will reach all valves including one under dash board.

No. VG2 — Each $.96

LONG SHANK BRACE GRINDER

Length overall 18-3/16".
A valve grinder which is semi-universal in that it has a swivel end with two prongs which can be used on valves for Ford cars.

No. VG4 — Each $1.25

SHORT VALVE GRINDER

Weight 8 oz.
The original wire handle valve grinder redesigned with 5/8" bar handle which swivels on cone bearing. The fork end fits the head perfectly.

No. VG3 — Each $.55

WHEEL ASSEMBLY WRENCH

A Brace (speed wrench), with two sockets, each socket having two broached openings to take four parts; front hub cone and axle nut, hub cap and rear axle nut.
Dimensions: Extreme length, 18-5/8", 9/16" diameter, 6" leverage, 12" sweep, swivel handles on each end adjoining socket.
When assembling cars at railroad station this wrench will save at least one third of your time. Only one wrench to handle. Around the repair shop this wrench will speed up your work.

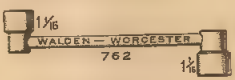
No. 1490 — Each $2.75

SINGLE END OFFSET—1 SOCKET

Socket size 1/2".
Length overall 5-1/16".
Used on: Front spring clamp bolt nut, differential drive gear cap screw, differential housing bolt and nut, rear spring clamp bolt nut, crank case oil pan, coil box to dash.

No. 494 — Each $.50

DOUBLE END OFFSET—2 SOCKETS



Socket sizes 1-1/16" and 1".
Length overall 10-3/4".
Used on: Rear spring perch to housing, steering gear wheel nut.

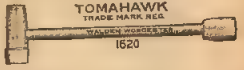
No. 762 — Each $1.35

DOUBLE END OFFSET—2 SOCKETS

Socket sizes 9/16" and 3/4".
Length overall 9-3/16".
Used on: Spindle pivot nut, spindle tie rod clevis connecting rod bolt nut, radius rod bolt and nut (rear) differential case nut, differential case stud nut, brake shoe support bolt and nut, universal ball cap screws, muffler head to frame bolt nut, muffler rod nut, main bearing (rear) intake and exhaust manifold to cylinder block clamp nut, cam shaft bearing set screw, commutator case support bolt, crank case arm bolt and nut, fan bracket bolt, fan bracket support bolt, battery bracket to frame bolt, transmission drive plate screws, head lamp bracket.

No. 2418 — Each $.80

DOUBLE END OFFSET—3 SOCKETS



Socket sizes 5/8", 5/8" and 1/2".
Length overall 9-1/2".
Used on: Drive shaft roller bearing housing cap screws, hub brace rod support, muffler rod nut, cylinder head cap screws, steering tube flange bolt nut, running board nut, motor support front, water cylinder inlet connection, water cylinder outlet connection, fender to running board, dash bracket to dash.

No. 1620 — Each $.75

DOUBLE END OFFSET—3 SOCKETS

Socket sizes 15/16", 7/8", 11/16".
Length overall 10-1/2".
Used on: Front radius rod nut, spindle pivot with oiler, tire rod, steering arm nut, spring clip nut, spring hanger nut, front wheel flange nut, front spring perch nut, drive shaft castle nut, differential oil drain plug, rear spring clip nut, rear spring hanger nut, brake shoe support nut, rear wheel to brake drum, battery clamp bolt and nut, body bracket connecting bolt.

No. 5660 — Each $1.10

UNIVERSAL JOINT TEE HANDLE

Socket size 9/16".
Length overall 13-1/4".
Used on: Intake manifold to cylinder block clamp nut, exhaust manifold to cylinder block clamp nut, universal ball cap nut, commutator case support nut, carburetor flange (on cars without self starter).

No. 1018 — Each $2.00

WALDEN-WORCESTER SOCKET WRENCHES

WRENCHES FOR FORD CARS

TEE HANDLE TYPES

Socket size 9/16", handle 6-3/8", shank 12". Weight 1 lb 6-1/2 oz.

Used on: Commutator case support, crank case to lower base, cylinder cover, fan adjustment, magnet cap screw, radiator support, universal ball cap, cap screws.

No. 2718 **Each $.65**

Socket 5/8", handle 6-3/8", shank 12", Weight 1 lb. 7-1/2 oz.

Used on: Cylinder head cap screws, drive shaft roller bearing, water inlet.

No. 2720 **Each $.55**

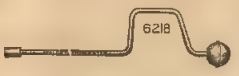
SHORT SHANK SPEEDER

Socket size 1/2".
Length overall 13-5/8".

Used on: Crank case lower cover, differential drive gear, muffler bolt, rear axle housing bolt and nut, steering tube flange nut.

No. 6064 **Each $.80**

LONG SHANK SPEEDER



Socket size 9/16".
Length overall 28-1/4".

Used on: Radiator support nut, front fender iron (side).

No. 6218 **Each $1.20**

SPEED WRENCH

Socket size 9/16".
Length overall 19".

Used on: Ball and socket bolt nut, intake manifold to cylinder block, exhaust manifold to cylinder block, cylinder to lower base, fan bracket bolt, magnet cap screws, transmission cover bolt and nut, transmission drive plate screws.

No. 6018 **Each $.90**

NUT AND BOLT SPEEDERS

Socket sizes 1/2" and 1/2".
Length overall 20 1/4".

Used on: Rear axle housing bolt and nut.

No. 6316 **Each $3.00**

Socket size 5/8".
Length overall 19".

Used on: Cylinder head cap screws, battery cable terminal to floor.

No. 6020 **Each $.90**

Socket sizes 9/16" and 9/16".
Length overall 20-1/4".

Used on: Ball socket bolt and nut, crank case arm bolt and nut (side), muffler support bolt and nut, steering post bracket bolt and nut, steering yoke clamp bolt and nut, transmission cover bolt and nut.

Socket size 11/16".
Length overall 19".
Used on: Truck, rear axle housing split.
... 5022 **Each $.90**

No. 6318 **Each $3.00**

DIRECTORY

Front Axle	
Adjusting Cone	1490
Radius Rod Nut	5660
Spindle Arm Bolt with Oiler	5660
Spindle Bolt Nut	2418
Tie Rod Bolt	5660-2722
Tie Rod Bolt Nut	5660
Spindle Arm Nut	1490
Ball and Socket Bolt Nut	6018-6318-2418
Spring Hangers	5660
Spring Clips	2418-5660
Front Spring Clamp Bolt	494
Front Spring Center Bolt	R1881
Front Spring Perch	5660
Radiator Hold Down Nut	6218-2418
Steering Arm Nut	5660
Steering Pitman Arm	2418
Motor	
Fan Support Nut	2418
Fan Adjusting Nut	2718-2418-771
Commutator Support	771
Generator Support	771
Motor Support, front	2718-2418
Cover to Timing Gears	2418-2718-6018
Water Outlet	3620-771-774
Water Inlet	771-774-1020
Cylinder Head Cap Screws	3620-1620-6020-1020-2720
Intake Manifold	2418-6018-1018
Exhaust Manifold	2418-6018-1018
Cover to Valve Guide	1018-2418
Valves	VG3-VG3-VG4
Front and Center Main Bearing Cap Screws	R1881-773-775
Rear Main Bearing	2418
Connecting Rod Bearing	774-5810-1020
Piston Pin Clamp Screw	R1881
Motor Support, rear	2718-2418-1018
Oil Pan to Case	494-6064
Cylinder to Lower Base	2418-6018-6318
Crank Case Drain Plug	3020-5660
Crank Case Front Bearing Clamp	1620-2720
Cylinder Cover Cap Screws	2718-6018-6318
Spark Plugs	3820
Fly Wheel Cap Screws	3822
Magneto Cap Screws	2718-2418
Brake and Reverse Transmission Bands	R4564
Low Speed Adjusting Nut	3820
Brake and Reverse Support Bolt	2418-R1881
Clutch and Lever Screws	2718-2418
Transmission Cover Bolt and Nut	2718-6018-2418
Universal Ball Cap Screws	1018-2418-2718
Steering Gear	
Steering Gear Foot Castle Nut	2418
Steering Post Bracket Bolt and Nut	2418-2718
Steering Tube Flange Bolt Nut	6064-1620-494
Steering Gear Wheel Nut	762
Rear Axle	
Radius Rod Bolt and Nut	2418
Differential Drive Gear Cap Screws	494-1620
Drive Shaft Castle Nut	5660
Differential Drain Oil Plug	5660-3020
Rear Axle Nut	1490
Drive Shaft Roller Bearing Housing Cap Screw	1620-771
Rear Spring Clip Nut	5660
Rear Spring Hanger Nut	5660
Rear Spring Clamp Nut	494-1620
Rear Spring Center Tie Bolt Nut	R1881
Brake Shoe Support Bolt and Nut	5660-2418-2722-6022
Rear Axle Housing Bolt and Nut	494-6316-1020
Rear Wheel to Drum	5660-2722
Spring Perch to Housing	762
Miscellaneous	
Head Light Bracket Nut	2418
Battery Bracket to Frame Bolt	2418-2718
Battery Cable Terminal to Floor	1620-1020-2720
Battery Clamp Bolt and Nut	5660-3822
Coil Box to Dash	1620-494-6064
Body Bracket Connecting Bolts	1620-5660-6022
Dash Bracket to Dash Bolt	6064-494
Fender Iron Bolt and Nut	6218-2418-2718
Fender to Running Board	1620-494
Muffler Support	2418 2718
Muffler Head Bolt Nut	1620
Running Board Truss Rod	5660

For prices, see page 1474

WALDEN-WORCESTER SOCKET WRENCHES

No. 1452

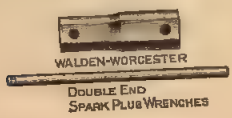
The new Walden service station rim wrench, equipped with ⅝, ¹¹⁄₁₆, ¾ and ⅞-inch sockets. A substantial brace with 12-inch sweep, permitting sufficient pressure. If additional pressure is desired, turn handle at right angles to socket, making it an offset wrench with a 14-inch handle. Weight, 3 lbs.

DOUBLE POWER SPEED WRENCHES

No. 7000 SERIES

The loop on the handle is the grip for extra leverage in releasing or final tightening, as the wrench may be used. An offset wrench is many times necessary, but this double power speed wrench will prove sufficient.

DOUBLE END SPARK PLUG WRENCHES



Pressed steel and case-hardened, two sizes in one. ¹⁄₁₆-inch over size of spark plug. No. 2937, ⅞ and 1⅛-inch. No. 3137, ¹³⁄₁₆ and 1⅛-inch.

LONG SHANK BRACE GRINDER

Length over all, 18-⅞ inches.

A valve grinder which is semi-universal in that it has a swivel end with two prongs which can be used on valves for Ford cars or can be used as a screw driver on cars which have valves with slotted heads.

BRACE LEVER WRENCHES

No. 1720 ..... ⅝ in.
No. 1722 ..... ¹³⁄₁₆ in.
No. 1724 ..... ¾ in.

No. 1728 ..... ⅞ in.
No. 1705 for Disteel wheels.

NOS. 1710 AND 1715

No. 1710, ¾ and ⅞-inch socket extra deep for Disteel wheels. No. 1715, ¾ and 1-inch with extra deep sockets for Budd Michelin wheels.

No. 6072

Short shank expander with ⅞-inch socket. Weight, 1¼ lbs.

No. 771

Ford carburetor and generator wrench. ⅜ and ⅝-inch sockets. Weight, 1 lb.

For prices, see page 1474

WALDEN-WORCESTER SOCKET WRENCHES

TYPE AND STOCK NUMBERS

SOCKET SIZE (WHITWORTH STANDARD)	NUT & BOLT THREAD SIZE: S.A.E. NUTS & CAP SCREWS U.S.S. NUTS & BOLT HEADS	NUT & BOLT THREAD SIZE: U.S.S. CAP SCREWS	OFFSETS: 1-SOCKET	1-SOCKET	2-SOCKETS	3-SOCKETS	4-SOCKETS	2-SOCKETS	2-SOCKETS	2-SOCKETS	TEES			BRACES		SPEEDERS				INTERCHANGEABLE SOCKETS: SQUARE	INTERCHANGEABLE SOCKETS: HEXAGON
1/4																						
5/16			496																			
3/8			497						396												112	
7/16	1/4	1/4	498	4214				651	396	852	2714	4314				6614	6014	6214	7014	114	214
1/2	5/16	1/4 5/16	494	4216	391	1420 444			395	852	2716	4316	016			6064	6016	6216	7016	116	216
9/16	3/8	5/16	499	4218	24.8	444		681 751	395	752	2718	4318	1018			6072	6018	6218	7018	118	218
19/32				4219							2719	4319				6619	6019	6219	7019		219
5/8	7/16	3/8		4220	634 321	1020 444		721 751			2720	4320	1020	1720	1420	6620	6020	6220	7020	120	220
11/16		3/8		4222		5660				752	2722	4322	022	1722	1422	6622	6022	6222	7022	122	222
3/4	1/2	1/2		4224	886 2418		393	653		394	2724	4324	1024	1716 1718	1424	6624	6024	6224	7024	124	224
25/32		7/16		4225			393	751			2725	4325				6625	6025	6225	7025		225
13/16		9/16		4226	392						2726	4326			1426	6626	6026	6226	7026		226
7/8	9/16	1/2 3/8		4228	392	5660		653		394	2728	4328	1028	1716 1718	1428	6628	6028	6228	7028	128	228
15/16	5/8			4230		5660	393					4330									230
31/32		9/16		4231								4331									231
1	11/16	5/8		4232	762							4332		1715						132	232
1 1/16	3/4	5/8		4234	762		393					4334									234
1 1/8		7/8		4236								4336								136	236
1 3/16				4238								4338									
1 1/4	7/8	3/4 1		4240								4340								140	240
1 5/16				4242								4342									
1 3/8		1 1/8		4244								4344									
1 7/16	1	7/8		4246								4346									
1 1/2		1 1/4		4248								4348									
1 5/8				4250								4350									
1 3/4	1 1/8	1		4252								4352									
1 11/16				4254								4354									
1 3/4				4256								4356									
1 13/16	1 1/4	1 1/8		4258								4358									
1 7/8		1 1/4		4260								4360									
2	1 5/8	1 1/4		4264								4364									

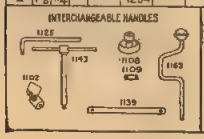
ENLARGED copies of this chart (on heavy paper) for posting in stores, stock rooms or garages will be furnished upon request. In ordering specify chart No. AD 9

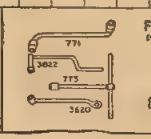
It pays to have the right wrench for the job — this chart will assist you in your selection.

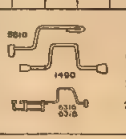
How This Chart Will Assist You in Selecting Wrenches

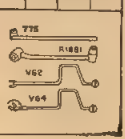
To arrive at stock number of wrench wanted, first decide size and type of nut, bolt or cap screw for which wrench is intended.

Locate this size in table at left of chart the corresponding socket size will be found at extreme left in the first column. Then follow through on the same line to the right until column showing type of wrench needed is reached. The number there indicated is the wrench you require



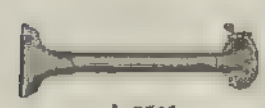




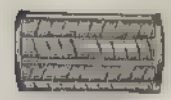


PARTS FOR FORD CARS

All parts illustrated correspond with the standard Ford repair parts of corresponding numbers. The letter "A" prefixed to numbers is merely to designate Automobile Department.


A-2501
A-2502

A-2504


A-2508-09
A-2508-09B

A-2509
A-2509B

A-2506

A-2510

A-2510A

A-2510B

A-2512C

A-2513C

A-2514B

A-2518

A-2519

A-2519A

A-2520B

A-2521B

A-2524C

A-2526-B

A-2528
A-2528A

A-2529

A-2531B

A-2532

A-2548

A-2549

A-2551

A-2557
A-2558

A-2559

A-2562

A-2563

A-2564

REAR AXLE

Nos.			Per 100
A-2501	Axle housing (right) 1915-24	1575 00	$800 00
A-2502	Axle housing (left) 1915-24	1575 00	800 00
A-2503E	Axle housing bolt and nut 5/16x1 5/16 1913-24	4 95	5 00
A-2503F	Axle housing bolt nut 1909-24 (Order No. A-AHN-5/16)	(Shown on page 2658)	
A-2504	Rear axle case gasket 1919-24	3 30	3 00
A-2505	Axle shaft fits 56 inch standard tread 1912-24 (See page 2646 for price.		
A-2506	Axle shaft washer 1909-24	3 30	2 00
A-2508	Axle shaft roller bearings 1909-24	144 00	75 00
A-2508-09	Axle shaft roller bearing complete with right sleeve 1909-24	225 00	105 00
A-2508-09B	Axle shaft roller bearing complete with left sleeve 1909-24	189 00	105 00
A-2509	Axle shaft roller bearing sleeve, Right 1909-24	30 75	15 00
A-2509B	Axle shaft roller bearing sleeve, Left, 1909-24	30 75	15 00
A-2510	Axle housing cap 1909-19	5 70	5 00
A-2510A	Axle outer roller bearing steel washer 1909-24	3 00	2 00
A-2510B	Axle outer roller bearing felt washer 1909-24	5 25	5 00
A-2512C	Differential case, left (no bushing used) 1914-24	300 00	150 00
A-2513C	Differential case, right (no bushing used) 1914-24	174 00	90 00
A-2514B	Differential case, stud and nut 1915-24	10 50	8 00
A-2515	Differential case, stud nut 1909-24 (Order No. A-ACN-3/8 shown on Page 2657)		
A-2518	Differential drive gear 40 teeth 1909-24	480 00	250 00
A-2519	Differential drive gear screw 1909-24	4 95	3 00
A-2519A	Differential gear lock ring 1909-24 (two pieces)	3 30	2 00
A-2520B	Differential gear 24 teeth 1909-24	237 00	90 00
A-2521B	Differential gear key 1911-24	9 75	5 00
A-2524C	Differential pinion 12 teeth 1915-24	75 00	35 00
A-2526B	Differential spider 1909-24	135 00	75 00
A-2528	Differential thrust washer, white metal 1909-24	33 00	15 00
A-2528A	Differential thrust plate, bronze 1909-24	75 00	50 00
A-2529	Differential thrust plate, steel 1909-24	19 50	15 00
A-2531B	Differential thrust plate pin 1917-24	2 40	2 00
A-2532	Differential housing oil plug 1909-24 (Order No. A-3080)		
A-2540	Drive shaft housing front bushing (babbitt) (Order No. 2581)		
A-2545	Rear axle grease cup. (Order No. A-8GC) page 2574		
A-2548	Radius rod nut 1909-24	8 25	5 00
A-2549	Radius rod lock nut 1909-24	6 75	5 00
A-2551	Radius rod bolt and nut 1909-24	13 50	8 00
A-2551B	Radius rod bolt nut, 1909-24 (Order No. A-ACN1/2)	(Shown on page 2657)	
A-2557	Hub cam shaft, right 1909-24	30 00	15 00
A-2558	Hub cam shaft, left 1909-24	30 00	15 00
A-2559	Hub cam shaft bushing 1909-24	9 75	5 00
A-2562	Cam shaft lever 1909-24	21 00	10 00
A-2563	Cam shaft lever pin 1909-24	2 10	2 00
A-2564	Lever clevis pin 1909-24	4 20	2 00

PARTS FOR FORD CARS

All parts illustrated correspond with the standard Ford repair parts of corresponding numbers. The letter "A" prefixed to numbers is merely to designate Automobile Department.

REAR AXLE

Nos.			Per 100
A-2566	Hub brake shoe 1909-24	57 00	$ 35 00
A-2567	Brake shoe support bolt and nut 1909-24	12 00	8 00
A-2568	Brake shoe support nut 1909-24 (Order No. A-ACN½)	(Shown on Page 2657)	
A-2570B	Brake shoe coil spring 1913-24	4 95	3 00
A-2571	Universal joint assembly 1909-24	336 00	150 00
A-2573	Joint knuckle (female) 1909-24	120 00	60 00
A-2574	Joint knuckle pin 1909-24	3 30	2 00
A-2575	Joint ring complete 1909-24	120 00	50 00
A-2577B	Universal joint housing 1914-24	198 00	100 00
A-2578	Joint housing plug 1909-24	7 50	5 00
A-2579	Ball joint grease cup 1909-24	28 50	15 00
A-2582	Drive shaft tubing 1911-24	1425 00	700 00
A-2583	Drive shaft roller bearing housing 1911-24	300 00	140 00
A-2584B	Drive shaft roller bearing stud and nut 1912-24	18 00	10 00
A-2586	Drive shaft roller bearing housing set screw 1911-24	9 75	5 00
A-2587	Drive shaft roller bearing 1911-24	225 00	100 00
A-2588	Drive shaft roller bearing distance plate 1911-24	4 95	5 00
A-2589	Drive shaft ball race 1911-24	42 00	25 00
A-2589B	Drive shaft ball-bearing assembly 1911-24	165 00	90 00
A-2590	Drive shaft ball retainer 1911-24	4 20	3 00
A-2591	Drive shaft ball thrust collar 1911-24	48 00	25 00
A-2592	Drive shaft ball-bearings, 1911-24 (Order No. A-AA-2⅝, page 2600-5)		
A-2593	Drive shaft roller bearing sleeve 1911-24	270 00	150 00
A-2595B	Drive shaft only (tapered) 1911-24	540 00	300 00
A-2596	Drive shaft sleeve 1911-24	132 00	60 00
A-2597B	Drive shaft pinion 11 teeth 1911-24	189 00	100 00
A-2598	Drive shaft castle nut 1911-24	12 75	8 00
A-2598B	Drive shaft pinion key 1911-24	8 25	5 00

FRONT AXLE

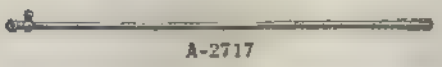
			Per 100
A-2691	Front axle only 56 in. tread 1909-24	1725 00	$900 00
A-2694	Spindle body (right) 1911-24	300 00	150 00
A-2694B	Spindle body (right), (less cones and washers) (used in place of 2694 where roller bearings are used) 1911-24	285 00	150 00
A-2695	Spindle body (left) 1911-24	330 00	150 00
A-2695B	Spindle body (left), (less cones) (used in are used place of 2965 where roller bearings 1911-24	285 00	150 00
A-2696B	Spindle arms (right) with hole for speedometer 1911-15	81 00	45 00
A-2696C	Spindle arm (right) 1919-24	99 00	45 00
A-2696D	Spindle arm (left) 1911-24	99 00	45 00
A-2697	Spindle arm nut 1911-22 (Order No. A-2548)		
A-2704	Stationary cone 1909-24	30 00	15 00
A-2705	Adjustable cone, right thread 1909-24	27 00	15 00
A-2706	Adjustable cone, left thread 1909-24	27 00	15 00
A-2707	Spindle nut, right thread 1909-24	14 70	5 00

PARTS FOR FORD CARS

All parts illustrated correspond with the standard Ford repair parts of corresponding numbers. The letter "A" prefixed to numbers is merely to designate Automobile Department.

A-2708 A-2709 A-2710

A-2713 A-2714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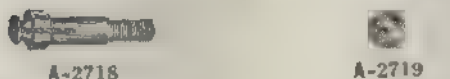
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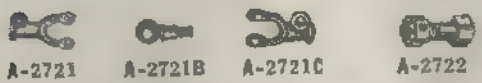
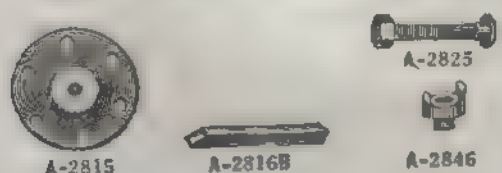

A-2721 A-2721B A-2721C A-2722

A-2725B A-2728

A-2736 A-2737 A-2741

A-2742 A-2803 A-2804 A-2805

A-2806 A-2807 A-2808 A-2809


A-2815 A-2816B A-2825 A-2846

A-2827 A-2828 A-2829

A-2847 A-2853 A-2856

Nos.			Per 100
	FRONT AXLE		
A-2708	Spindle nut, left thread 1909-24	10 80	$ 5 00
A-2709	Spindle washer 1909-24	3 30	2 00
A-2710	Spindle bolt with oiler 1910-24	38 25	20 00
A-2711	Spindle bolt nut 1909-24 (Order No. A-ACN½)	(Shown on page 2657)	
			Per 100 Pair
A-2713	Spindle body bushing 1909-24	39 00	20 00
			Per 100
A-2714	Spindle arm bushing 1909-24	4 95	5 00
A-2717	Spindle connecting rod 1909-24	405 00	175 00
A-2718	Spindle connecting rod bolt with oiler 1909-24	30 00	15 00
A-2719	Spindle connecting rod bolt nut 1909-24 (Order No. A-ACN-⅞)	(Shown on page 2657)	
A-2721	Spindle connecting rod yoke 1909-18	78 00	40 00
A-2721B	Spindle connecting rod yoke ball 1919-24	39 00	20 00
A-2721C	Spindle connecting rod yoke 1919-24	76 50	40 00
A-2722	Steering yoke clamp bolt and nut 1909-18	10 50	8 00
A-2725B	Steering gear, connecting rod 1909-24	156 00	80 00
A-2728	Ball socket cap 1909-24 (Order No. A-ACN-⅝)	(Shown on page 2657	
A-2729B	Ball socket bolt and nut 1909-24 (Order No. A-2722		
A-2733	Front radius rod 1909-19	(For prices see page 2646)	
A-2733B	Front radius rod 1919-24	(For prices see page 2646)	
A-2734	Front radius rod nut 1909-19 (Order No. A-2548)		
A-2736	Front radius rod ball cap 1909-24	19 50	10 00
A-2737	Front radius rod ball nut socket 1911-24	38 25	20 00
A-2741	Radius rod ball cap stud, and nut 1911-24	9 75	6 00
	WHEELS		Per 100
A-2742	Radius rod ball cap spring 1911-24	5 40	3 00
A-2800	Front wheel (Order No. A-1303, 1909-24	(Shown on page 2465)	
A-2803	Front hub assembly less flange bolts and nuts with ball-bearing 1909-24	315 00	160 00
A-2804	Outer race 1909-24	19 50	10 00
A-2805	Inner race 1909-24	30 00	15 00
A-2806	Outer ball retainer 1909-24	3 30	2 00
A-2807	Inner ball retainer 1909-24	4 05	3 00
A-2808	Dust ring 1909-24	7 50	5 00
A-2809	Front and rear hub felt washer 1909-24	8 25	5 00
A-2810	Large balls, 12 only required for inside of front hub 1909-24 (Order No. A-AA-2⅜)	(For Prices see page 2660)	
A-2811	Small balls, 11 only required for outside of front hub 1909-24 (Order No. A-AA-2⅜)	(For prices see page 2660)	
A-2814C	Rear wheel, 1912-22 (Order No. A-1303½)	(Shown on page 2465,	
A-2815C	Rear hub assembly 1912-24 less flange bolts and nuts	240 00	125 00
A-2816B	Rear hub key 1912-24	5 40	3 00
A-2818	Rear hub brake drum	98 28	40 00
A-2819	Hub cap 1909-24 (Order No. A-3HC)	(Shown on page 2467)	
A-2825	Hub bolt and nut complete, 1911-24) Same as Ford No. 2825 and 2825B combined.	3 60	6 00
A-2825B	Hub bolt nut 1911-24	2 70	3 00
A-2827	Hub flange 1911-21	39 00	20 00
A-2828	Rear hub lock nut 1912-24 (Order No. A-ACN-⅝)	(Shown on page 2657)	
A-2833	Front hub bearing cup (Inner) 1919-24	(For prices see page 2645)	
A-2834	Inside cone and roller assembly 1919-24	(For prices see page 2645)	
A-2836	Front hub bearing cup (Outer) 1919-24	(For prices see page 2645	
A-2837	Outside cone and roller assembly, right hand 1919-24	(For prices see page 2645)	
A-2838	Outside cone and roller assembly, left hand 1919-24	(For prices see page 2645)	
A-2841	Front hub dust cap assembly 1919-24	(For prices see page 2645	
A-2845B	Demountable rim only—Hayes 1919-23 (Order No. A-H116)	(Shown on page 2466)	
A-2846	Demountable rim clamp 1919-20 (Order No. A-71C)	(Shown on page 2470)	
A-2846B	Demountable rim clamp—Kelsey 1919-23 (Order No. A-71C)	(Shown on page 2470)	
A-2847	Demountable rim bolt 1919-24 (Order No. A-5A	(Shown on page 2470)	
A-2848B	Demountable rim nut—Kelsey 1919-23 (Order No. A-8N)	(Shown on page 2470)	
A-2853	Front cross member 1909-24	171 00	90 00
A-2856	Front corner bracket (left) 1909-24	28 50	15 00

PARTS FOR FORD CARS

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A-2901 A-2902B

A-2909

A-3001

A-3003B

A-3004B

A-3005

A-3007

A-3008

A-3010

A-3009B

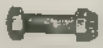
A-3009C

A-3011

A-3012

A-3013

A-3013B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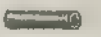
A-3015

A-3018

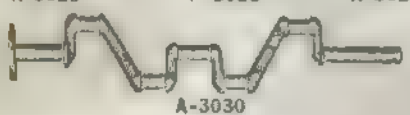

A-3022

A-3022½

A-3025

A-3026

A-3029


A-3030

A-3032

A-3033

A-3038

A-3039

A-3040

A-3041

A-3043A

A-3045

A-3047B

A-3048B

A-3044

A-3046

GASOLINE TANK—TOURING CAR

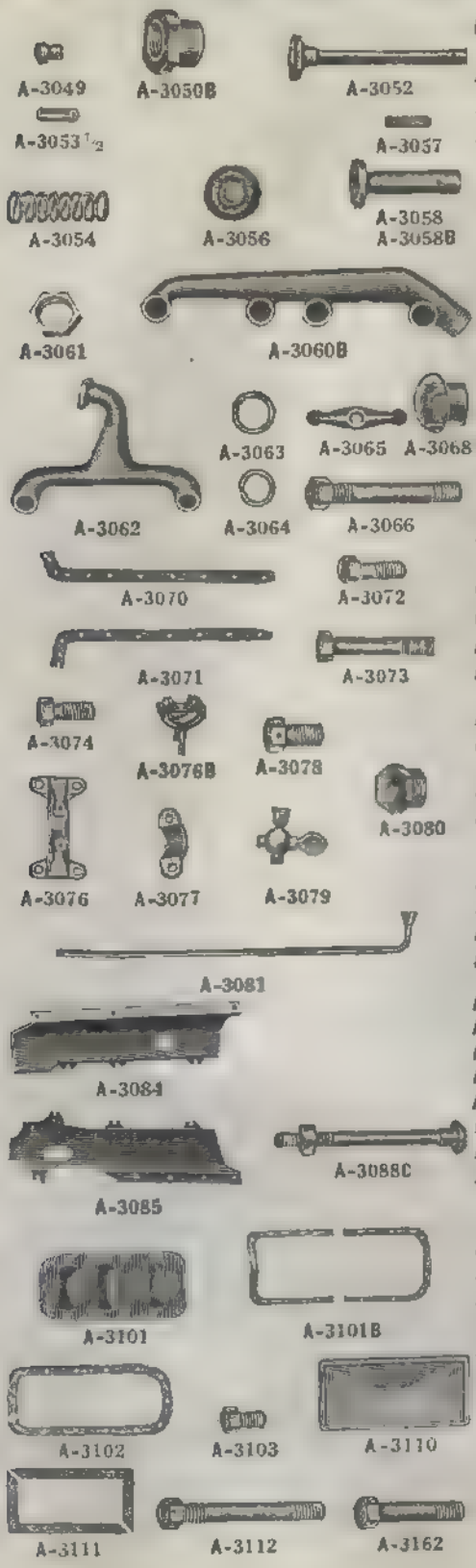
Nos.			Per 100
A-2901	Filling Plug 1909-24	18 75	$10 00
A-2902B	Sediment bulb 1909-24 with pet cock	195 00	90 00
A-2903	Tank bolt and nut 1909-24 (Order No. A-3074)		
A-2908	Pet cock 1909-24 (Order No. A-3079)	----	---- ----
A-2909	Feed pipe 1909-24 Touring and Roadster, also Coupe 1909-24	49 50	25 00

MOTOR

			Per 100
A-3000C	Cylinder Blocks 1909 to 1924	6000 00	2500 00
A-3001	Cylinder head 1909-24	1200 00	600 00
A-3002	Cylinder head gasket 1909-24	(See page 2625 for price).	
A-3003B	Cylinder head cap screw, 1/4x3¼ ins.; 1918-24	9 45	5 00
A-3004B	Cylinder head outlet connection 1917-24	63 00	30 00
A-3005	Cylinder head outlet connecting gasket 1909-24 (Order No. A-843)	(Shown on page 2627)	
A-3006	Cylinder head outlet hose 1909-24 (Order No. A-3RH-2)	(Shown on page 2571)	
A-3007	Cylinder head outlet hose clip, 2 inch diameter, 1909-24	9 75	5 00
A-3008	Cylinder head outlet connecting screw 1909-24	6 45	5 00
A-3009B	Cylinder front cover 1909-19	200 10	100 00
A-3009C	Cylinder front cover 1919-24	200 10	100 00
A-3010	Cylinder cover bolt and nut 1909-24 (Order No. A-4808)	----	----
A-3011	Cylinder cover cap screw 3/8x11/16 inch, 1909-24	6 00	3 00
A-3012	Cylinder cover felt 1909-24	7 50	5 00
A-3013	Cylinder cover liner 1909-19	4 05	2 00
A-3013B	Cylinder cover liner paper starter type 1919-24	4 05	2 00
A-3014	Cylinder cover and crank case bolt and nut 1909-24 (Order No. A-2722)	----	---- ----
A-3015	Cylinder water inlet conn. 1909-24	60 00	30 00
A-3016	Cylinder inlet conn. screw 1919-24	5 55	3 00
A-3018	Cylinder water inlet gasket 1909-24 (Order No. A-829)	(Shown on page 2627)	
A-3020	Piston complete 1909-24 (Order No. A-3LW)	(Shown on page 2629)	
A-3020C	Piston complete 1909-24 (Order No. A-3LW-0025)	(Shown on page 2629)	
A-3020D	Piston complete 1909-24 (Order No. A-3LW-03125)	(Shown on page 2629)	
A-3022	Piston pin 1909-24	60 00	30 00
A-3022½	Piston pin bushing 1909-24	38 25	Per 100 Pair 20 00
A-3023	Piston ring 1909-24 (Order No. A-1LJ)	(Shown on page 2631)	Per 100
A-3023B	Piston ring 1909-24 (Order No. A-1LJ-31)	(Shown on page 2631)	
A-3024	Connecting rod 1909-24	See page 2645 for price.	
A-3024A	Connecting rod shim	3 60	2 00
A-3025	Connecting rod cap bolt and nut 1909-24	15 75	10 00
A-3026	Connecting rod cap bolt nut 1909-24	7 50	5 00
A-3029	Connecting rod clamp screw 1909-24	5 70	3 00
A-3030	Crank shaft 1909-24	1500 00	800 00
A-3032	Crank shaft, front bearing cap 1909-24	84 00	40 00
A-3033	Crank shaft, center bearing cap 1909-24	84 00	40 00
A-3034	Crank shaft bearing bolt (center and front) 1909-24	16 50	10 00
A-3036	Crank shaft bearing bolt (Rear) 1909-24	16 50	10 00
A-3035	Crank shaft, bearing bolt nut, 1909-24 (Order No. A-ACN-½)	(Shown on page 2657)	
A-3038	Crank shaft, bearing liner center and front 1909-24	1 95	1 00
A-3039	Crank shaft, rear bearing liner 1909-24	1 95	1 00
A-3040	Crank shaft starting pin	8 25	5 00
A-3041	Cam shaft 1909-24	675 00	250 00
A-3043A	Cam shaft center bearing (old style) not babbitted	47 25	25 00
A-3044	Cam shaft rear bearings 1909-24	30 00	15 00
A-3045	Cam shaft bearing ring 1909-24	4 95	3 00
A-3046	Cam shaft bearing set screw 1909-24	9 75	5 00
A-3047B	Large time gear, on cam shaft 1919-24	189 00	90 00
A-3048B	Small time gear, on crank shaft 1919-24	120 00	60 00

PARTS FOR FORD CARS

All parts illustrated correspond with the standard Ford repair parts of corresponding numbers. The letter "A" prefixed to numbers is merely to designate Automobile Department.



Nos.	MOTOR		Per 100
			Per 100
A-3049	Cam shaft gear dowel pin 1909-24	3 60	$ 2 00
A-3050B	Cam shaft gear lock nut 1909-24	22 50	10 00
A-3052	Valve 1909-24	26 25	15 00
A-3052B	Valve (1/64 over size stem) 1909-24	27 00	15 00
A-3053½	Valve bushing 1909-24; 7/8 in. O D X 2 ins. long	37 50	20 00
A-3054	Valve spring 1909-24	6 75	5 00
			Per 100 Sets
A-3056	Valve spring seat 1909-24 (8 to a set)	12 00	5 00
A-3057	Valve spring seat pin 1909-24 (8 to a set)	10 50	5 00
			Per 100
A-3058	Push rod 1909-24	22 50	10 00
A-3058B	Push rod (1/64 over size stem) 1909-24	19 50	10 00
A-3060B	Exhaust manifold 1913-24	270 00	125 00
A-3061	Exhaust pipe flack nut 1909-24	39 00	20 00
A-3062	Inlet pipe 1909-24	210 00	100 00
A-3063	Inlet and exhaust pipe gasket 1909-24 (Order No. A-104RG)	(Shown on page 2626)	
A-3064	Inlet and exhaust pipe gland 1909-24	1 95	1 00
A-3065	Inlet and exhaust pipe clamp 1909-24	16 50	10 00
A-3066	Inlet and exhaust clamp stud and nut 1909-24	13 50	8 00
A-3066B	Inlet and exhaust clamp stud nut 1909-24 (Order No. A-AHN 3/8)	(Shown on page 2658)	
A-3068	Breather pipe 1909-24	19 50	10 00
A-3070	Crank case and cylinder gasket, Left 1909-24 (FELT)	7 50	5 00
A-3071	Crank case and cyl. gasket, Right 1909-24 (FELT)	7 50	5 00
A-3072	Crank case and cylinder cover cap screw 3/8x1 in., 1909-24 (Order No. A-3ACS-1)	(See page 2657 for price.)	
A-3073	Crank case arm bolt and nut (side) 1909-24	14 40	8 00
A-3074	Crank case arm bolt and nut (top) 1909-24	9 75	8 00
A-3076	Crank case front frame bearing 1909-24	114 00	60 00
A-3076C	Crank case front bearing and spring clip nut 1921-24 (Order No. A-2548)		
A-3077	Crank case front bearing cap 1909-24	26 25	10 00
A-3078	Crank case front bearing screw 1909-24	8 25	5 00
A-3079	Crank case oil cock 1909-24	33 00	15 00
A-3080	Crank case drain cup plug 1909-24	9 45	5 00
A-3081	Crank case oil tube 1909-24	39 00	20 00
A-3084	Engine pan (right) 1909-24	69 00	30 00
A-3085	Engine pan (left) 1909-24	69 00	30 00
A-3088C	Engine pan and hood board bolt and nut 1/4x3 3/8 1909-24	5 25	3 00
A-3101	Crank case lower cover 1912-24	66 00	35 00
A-3101B	Crank case lower cover reinforcement 1912-24	48 00	25 00
A-3102	Crank case lower cover gasket 1912-24 (FELT)	19 50	10 00
A-3103	Crank case lower cover screw 1912-24	4 95	3 00
A-3110	Cylinder valve cover 1912-24	30 00	15 00
A-3111	Cylinder valve cover gasket, 1912-24 (FELT)	6 75	5 00
A-3112	Cylinder valve cover screw 1912-24	5 85	3 00
	COMMUTATOR		Per 100
A-3162	Commutator case sup. bolt 1912-19 (Order No. A-3112)		

PARTS FOR FORD CARS

All parts illustrated correspond with the standard Ford repair parts of corresponding numbers. The letter "A" prefixed to numbers is merely to designate Automobile Department.

A-3165

COMMUTATOR

Nos.			Per 100
A-3165	Commutator brush only 1912-24	38 25	$20 00
A-3221	Commutator case with fibre 1912-24	120 00	50 00
A-3222	Commutator shield 1912-24	3 90	2 00

A-3222

A-3254

A-3255B

A-3262B

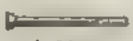
A-3270

A-3260

A-3261B

A-3266

A-3271


A-3278

A-3272

A-3279

MAGNETO

			Per 100
A-3252	Magneto spool supply screw 1909-24 (Order No. A-3371)		
A-3254	Magnet bolt 1909-24	6 00	3 00
A-3255B	Magnet bolt washer 1911-24	2 01	1 00
A-3260	Magneto contact assembly 1909-24	42 00	20 00
A-3261B	Magneto contact nut 1909-24	1 95	1 00
A-3262B	Magneto contact screw and spring assembly 1919-24	19 50	10 00
A-3266	Magneto contact fibre screw 1909-24	1 95	1 00
A-3270	Fly-wheel cap screw 1909-24	17 25	10 00
A-3271	Fly-wheel dowel pin 1909-24	9 75	5 00
A-3272	Magneto coil support shim 1909-24	9 75	5 00
A-3278	Magneto clamp screw 1911-24	4 05	2 00
A-3279	Magneto contact washer 1909-24	1 95	1 00

A-3304

A-3309

TRANSMISSION

			Per 100
A-3304	Transmission reverse gear bushing 1909-24	79 50	40 00
A-3309	Transmission slow speed gear bushing 1909-24	66 00	30 00
A-3314½	Transmission triple gear flanged bushing 1911-24	42 75	20 00
A-3317	Transmission driven gear 1909-24	144 00	70 00
A-3318	Transmission driven gear key 1909-24	6 00	3 00
A-3320C	Transmission driven gear sleeve bushing 1909-24	37 50	20 00
A-3321	Transmission driving plate assembly 1909-24	675 00	300 00
A-3323	Transmission driving plate screw 1909-24 (Order No. A-3371)		
A-3328	Transmission thrust plate, small 1909-24	17 25	10 00
A-3329	Transmission thrust plate, large 1909-24	17 25	10 00
A-3331	Transmission gear shaft 1909-24	300 00	125 00
A-3332	Transmission clutch disc drum 1909-24	240 00	125 00
A-3333	Transmission clutch disc drum key 1909-24	9 75	5 00
A-3334	Transmission clutch disc drum set screw 1909-24	11 25	5 00
A-3336	Transmission clutch push ring 1909-24	70 50	35 00
A-3337	Transmission clutch finger 1909-24	33 00	15 00
A-3337½	Transmission clutch finger screw 1909-24	9 75	5 00
A-3338	Transmission clutch finger pin 1909-24	1 95	1 00
A-3340	Transmission clutch spring 1909-24	55 50	25 00
A-3342	Transmission clutch spring thrust ring pin 1909-24	5 70	3 00
A-3344	Transmission clutch shift 1909-24	96 00	45 00

A-3314½

A-3317

A-3318

A-3320C

A-3328

A-3329

A-3333

A-3337½

A-3331

A-3334

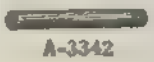
A-3337

A-3338

TRANSMISSION COVER

A-3362	Transmission cover bolt and nut 1909-24 (Order No. A-2722)		

A-3340

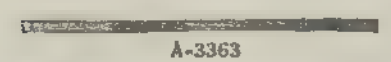

A-3342

A-3344

A-3362

PARTS FOR FORD CARS

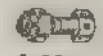
All parts illustrated correspond with the standard Ford repair parts of corresponding numbers. The letter "A" prefixed to numbers is merely to designate Automobile Department.


A-3363

A-3367

A-3368

A-3371


A-3372

A-3375

A-3377B

A-3378

A-3400

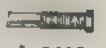
A-3402D

A-3403

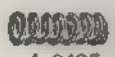
A-3405

A-3406B

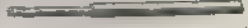
A-3411


A-3419

A-3420


A-3425

A-3426


A-3427

A-3428

A-3429

A-3432

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A-3440

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A-3443

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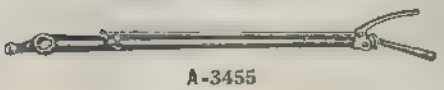
A-3450

A-3452


A-3455

TRANSMISSION COVER

Nos.			Per 100
A-3363	Transmission cover gasket (front) length 15½ ins, 1909-24 (felt)	5 25	$ 5 00
A-3367	Transmission cover door screw 1909-24	3 30	2 00
A-3368	Universal ball cap (rear) 1909-24	60 00	30 00
A-3371	Universal ball cap screw 1909-24	5 40	3 00
A-3372	Universal ball cap bolt and nut 1909-24 (Order No. A-2722)		
A-3375	Transmission cover screw 1909-24 (Order No. A-3072)		
			Per 100 Pair
A-3377	Transmission cover gasket, (pair) 1909-24 (felt)	19 50	10 00
A-3378	Transmission cover sloping door 1911-24, 9⅛ in. long	30 00	15 00

TRANSMISSION CONTROL

			Per 100
A-3400	Transmission clutch release ring 1909-24	39 00	20 00
A-3402D	Clutch lever and shaft 1913-24	60 00	30 00
A-3403	Clutch lever screw and nut 1909-24 (Order No. A-3973)		
A-3403B	Clutch lever screw nut 1909-24 (Order No. A-AHN-⅜	(Shown on page 2658)	
A-3405	Clutch lever pin 1909-24	1 95	1 00
A-3406B	Clutch release fork, right or left 1913-24	30 00	15 00
A-3406C	Clutch release fork pin 1913-24 (Order No. A-3405)		
A-3409	Clutch release fork clamp screw 1909-14 (Order No. A-3371)		
A-3411	Clutch lever clevis pin 1909-24 (Order No. A-2564)		
A-3413	Transmission band assembly 1909-24	117 00	60 00
A-3416	Transmission band lining 1909-24 (Order No. A-3UCL)	(Shown on page 2568.)	
A-3419	Transmission band adjusting screw 1909 24	22 50	10 00
A-3420	Transmission band adjusting screw nut 1909-24	8 25	5 00
A-3422B	Transmission band brass rivets 1909-17	(See page 2567 for price.)	
A-3423B	Transmission band brass rivets 1909-24	(See page 2567 for price.)	
A-3425	Transmission band spring 1909-24	6 00	3 00
A-3426	Transmission band adjusting nut 1909-24	9 00	5 00
A-3427	Slow speed shaft 1909-24	30 00	15 00
A-3428	Slow speed notch 1909-24 on slow speed shaft	17 25	25 00
A-3429	Slow speed notch pin 1909-24	1 95	1 00
A-3432	Speed lever 1909-24	22 50	10 00
A-3433	Speed lever clevis pin 1909-24 (Order No. A-2564)		
A-3434	Reverse pedal 1909-24	100 50	50 00
A-3436	Brake and reverse pedal support	28 50	15 00
A-3437	Brake and reverse sup. bolt and nut 1909-24	12 75	8 00
A-3439	Brake pedal 1909-24	96 00	50 00
A-3440	Clutch pedal 1909-24	96 00	50 00
A-3441	Pedal pin 1909-24 (Order No. A-3405)		
A-3442	Clutch pedal support 1909-24	28 50	15 00
A-3443	Clutch pedal sup. bolt and nut 1909-24	12 75	8 00
A-3446	Slow speed conn. lock nut 1909-24 (Order No. A-AHN-⅜)	(Shown on page 2658)	
A-3447	Slow speed conn. clevis 1909-24	19 50	10 00
A-3450	Controller shaft bracket 1909-24	30 00	15 00
A-3452	Controller shaft bracket bolt and nut 1909-24	9 75	5 00
A-3455	Hand brake lever assembly 1909-24	210 00	100 00

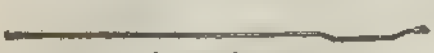
PARTS FOR FORD CARS

All parts illustrated correspond with the standard Ford repair parts of corresponding numbers. The letter "A" prefixed to numbers is merely to designate Automobile Department.

A-3458

A-3459

A-3460


A-3468-A-3469

A-3462

A-3465

A-3470 A-3471

A-3472

A-3506B

A-3511

A-3513C

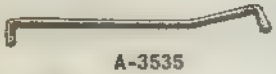
A-3517

A-3520

A-3530

A-3531

A-3534B


A-3535

A-3539B

A-3536

A-3537

A-3541

A-3545

A-3547

A-3548

A-3602D

A-3626C
A-3627C
A-3628B

TRANSMISSION CONTROL

Nos.			Per 100
A-3456	Hand brake lever pin 1909-24 (Order No. A-3429)		
A-3456B	Hand brake lever pin 1909-24 (Order No. A-2574)		
A-3458	Hand brake lever pawl 1909-24	9 45	$5 00
A-3459	Hand brake lever pawl pin 1909-24	1 95	1 00
A-3460	Hand brake lever pawl rod 1909-24	19 50	10 00
A-3462	Hand brake lever pawl lift assembly 1909-21	19 50	10 00
A-3465	Hub brake lever on controller shaft 1909-24	28 50	15 00
A-3466	Hub brake lever pin 1909-24 (Order No. A-3405		
A-3467	Hub brake lever clevis 1909-24 (Order No. A-3447)		
A-3468	Hub brake pull rod (right) 1909-24	60 00	30 00
A-3469	Hub brake pull rod (left) 1909-24	60 00	30 00
A-3470	Hub brake rod support, right 1909-24	19 50	10 00
A-3471	Hub brake rod support, left 1909-24	19 50	10 00
A-3472	Hub brake rod support bolt and nut 1909-24	3 90	2 00

STEERING GEAR

			Per 100
A-3506B	Steering gear driving pinion washer 1909-24	5 70	$3 00
A-3511	Steering gear wheel nut 1909-24	17 55	10 00
A-3513C	Steering tubing, flange, screw and nut 1913-24	6 00	3 00
A-3517	Steering gear pinion 12 teeth 1909-24	28 50	15 00
A-3520	Steering gear drive pinion key 1909-24	4 95	3 00
A-3523	Steering gear post castle nut 1909-24 (Order No. A-ACN-½)	(Shown on page 2657)	
A-3530	Lead rod lever 1909-24	19 50	10 00
A-3531	Throttle rod lever 1909-24	19 50	10 00
A-3534B	Commutator pull rod 1912-24	19 50	10 00
A-3535	Carburetor pull rod 1909-24	19 50	10 00
A-3536	Ball and socket joint 1909-24	19 50	10 00
A-3537	Ball and socket joint nut 1909-24	3 30	2 00
A-3539B	Steering post bracket with bushing Touring 1911-24	150 00	75 00
A-3540	Steering post bracket bolt and nut long 1909-24 (Order No. A-3073)		
A-3541	Steering post bracket bolt and nut short 1911-24 (Order No. A-3074)		
			Per 100 Pair
A-3545	Steering post bracket bushing 1909-24	45 00	20 00
			Per 100
A-3547	Steering gear ball arm 1909-24	85 50	40 00
A-3548	Steering gear ball arm key 1909-24	5 70	3 00

BODY PARTS

			Per 100
A-3602F	Body bracket connecting bolt nut 1916-24 (Order No. A-ACN-3/16)	(Shown on page 2657)	
A-3626C	Floor board with plate (First) 1915-24	99 00	$50 00
A-3627C	Floor board with plate (Second) 1915-24	99 00	50 00
A-3628B	Floor board with plate (Third) 1915-24	159 00	65 00
A-3629X	Touring rear stay strap assembly complete 1920-24 (Order No. A-ARS,) page 2519		

PARTS FOR FORD CARS

All parts illustrated correspond with the standard Ford repair parts of corresponding numbers. The letter "A" prefixed to numbers is merely to designate Automobile Department.

A-3634G

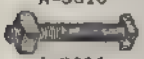
A-3653B

A-3810

A-3813

A-3815

A-3818B


A-3811

A-3813B

A-3819B

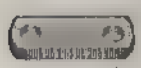
A-3818

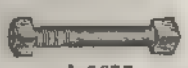
A-3819

A-3820

A-3821

A-3823


A-3835


A-3837

A-3840

A-3843

A-3844

A-3845

A-3847

A-3847B

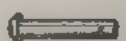
A-3848

A-3848B

A-3900

A-3901

A-3902

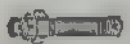

A-3905A

A-3906

A-3908

A-3909

A-3926


A-3929

A-3931½

A-3934

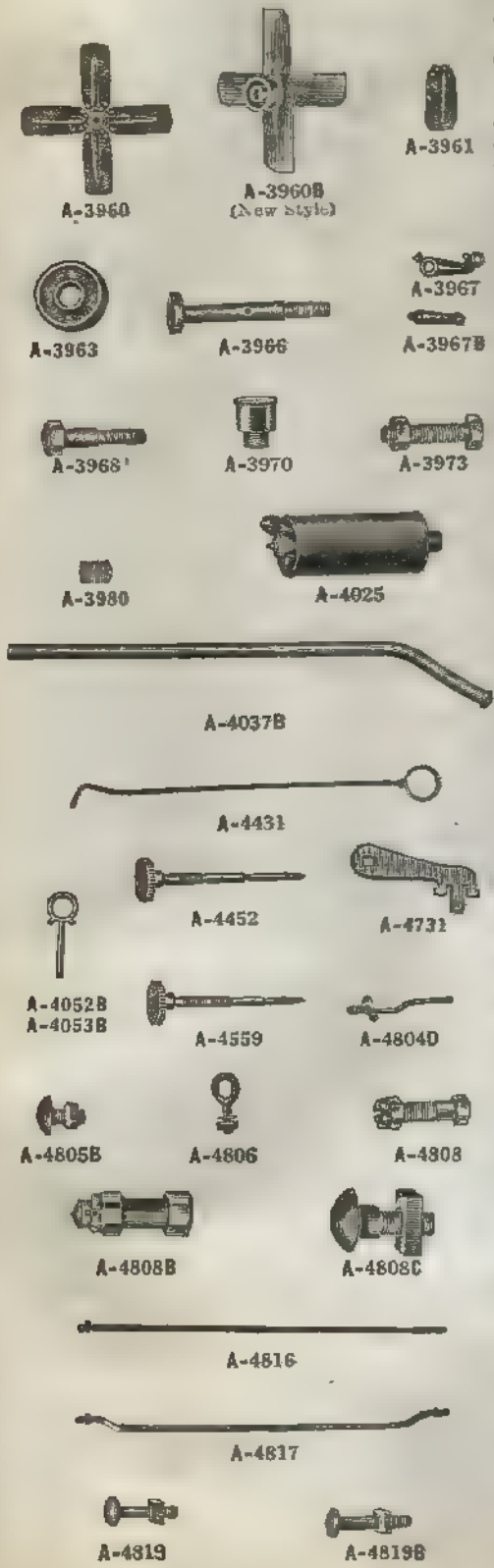
A-3939

A-3945

Nos.	BODY PARTS		Per 100
A-3634G	Dash board, 1917-24	480 00	$250 00
A-3642	Dash bracket bolt 1917-20 (Order No. A-3074)		
A-3653B	Dash to body bracket bolt, 1915-24	7 80	3 00
A-3665	Gas lamp bracket nut 1909-16 (Order No. A-2568)		
A-3800	Front spring 1909-24 (Order No. A-2000 shown on page 2358)		
A-3808	Front spring clip without nut and cotter pin 1909-24 (See page 2360 for price)	42 00	20 00
A-3809	Front spring clip nut 1909-24 (Order No. A-ACN½)	(Shown on page 2657)	
A-3810	Front spring clip bar 1921-24	45 75	25 00
A-3811	Front spring tie bolt and nut 1909-24	9 00	6 00
A-3813	Front spring hanger 1909-24	30 00	15 00
A-3813B	Front spring hanger 1923	45 00	25 00
A-3815	Front and rear spring hanger nut 1909-24 (Order No. A-ACN-⅞)	(Shown on Page 2657)	
A-3818	Front spring perch (right), 1909-19	153 00	80 00
A-3818B	Front spring perch (right), 1919-24	100 50	50 00
A-3819	Front spring perch (left), 1909-19	153 00	80 00
A-3819B	Front spring perch (left), 1919-24	100 50	50 00
A-3820	Front spring perch bushing 1909-24	6 45	5 00
A-3821	Front spring perch nut 1909-24 (Order No. A-ACN-⅝)	(Shown on Page 2657).	
A-3821B	Front spring perch nut, 1921-1923 (new style)	10 50	5 00
A-3823	Front spring leather 1909-24	10 50	5 00
A-3824	Rear spring 1909-24 (Order No. A-2001 shown on page 2358)		
A-3833	Rear spring clip, without nut and cotter pin 1909-24 (See page 2463 for price)		
A-3834	Rear spring clip nut 1909-24 (Order No. A-ACN-⅝)	(Shown on Page 2657)	
A-3835	Rear spring clip bar 1909-24	10 50	5 00
A-3837	Rear spring tie bolt and nut 1909-24	8 25	4 00
A-3840	Rear spring hanger 1909-24	39 00	25 00
A-3843	Rear spring perch 1909-24	76 50	40 00
A-3844	Rear spring perch bushing 1909-24	8 25	5 00
A-3845	Rear spring perch nut 1909-24	10 80	5 00
A-3847	Front spring clamp assembly with bolt and nut 1909-16	15 75	10 00
A-3847B	Front spring clamp assembly with bolt and nut 1916-24	16 50	10 00
A-3848	Rear spring clamp assembly with bolt and nut, 1909-17	16 50	10 00
A-3848B	Rear spring clamp assembly with bolt and nut 1918-24	16 50	10 00
A-3851	Rear spring clip without nut and cotter pin 1909-24 (Order No. A-3853)		
	STARTING CRANK		Per 100
A-3900	Starting crank only 1909-24	82 50	40 00
A-3901	Starting crank handle 1909-24	37 50	20 00
A-3902	Starting crank handle bolt 1909-24	15 75	10 00
A-3905A	Starting crank ratchet pin 1909-24 (for cotter pins)	7 50	5 00
A-3906	Starting crank ratchet 1909-24	39 00	20 00
A-3908	Starting crank spring 1909-24	5 70	3 00
A-3909	Starting crank handle spring 1915-24	4 05	2 00
	RADIATOR-THERMO SYPHON		Per 100
A-3924X	Touring car top to wind shield strap assembly. 1915-24 (Order No. A-7TS Page 2519)		
A-3926	Radiator cap 1909-24	28 50	15 00
A-3929	Radiator stud and nut 1909-19	15 00	8 00
A-3930	Radiator stud spring 1909-22 (Order No. A-2742)		
A-3931½	Radiator stud washer nut 1909-24	5 70	3 00
A-3934	Radiator rod nut 1909-24 (Order No. A-AHN-⅜)	(Shown on Page 2658	
A-3939	Outlet connection pipe 1909-24	48 00	25 00
A-3940	Outlet connection cock 1909-1924 (Order No. A-3079)		
A-3945	Outlet connection hose clip 1909-24 (Order No. A-1-1¾ hose clamp)	(Shown on Page 2572).	

PARTS FOR FORD CARS

All parts illustrated correspond with the standard Ford repair parts of corresponding numbers. The letter "A" prefixed to numbers is merely to designate Automobile Department.



Nos.			
	RADIATOR FAN		Per 100
A-3960	Fan and pulley assembly, for all models Ford cars prior to 1924	210 00	*$125 00*
A-3960B	Same as Nos. 3961C, 3962B and 3984 assembled; Fan and pulley assembly (New Style) for 1920-24 cars	180 00	*95 00*
A-3961	Fan blade 1909-20	15 75	*10 00*
A-3961-B	Fan blade, rivets 1909-24	75	*40*
A-3963	Fan drive pulley, steel lower 1909-24	48 00	*25 00*
A-3963-B	Fan drive pulley 1909-24	57 00	*30 00*
A-3966	Fan shaft 1909-20	45 00	*25 00*
A-3967	Fan bracket 1909-16	78 00	*40 00*
A-3967B	Fan bracket 1917-24	57 00	*30 00*
A-3968	Fan bracket bolt 1909-24	19 50	*10 00*
A-3970	Fan grease cup 1909-24	19 50	*10 00*
A-3973	Fan adjustable screw and nut 1909-24 (Order No. A-3403)		
A-3973B	Fan adjusting screw nut 1909-24 (Order No. A-AHN-$\frac{3}{8}$)	(Shown on page 2658)	
A-3980	Fan pulley plug 1920-24	5 70	*3 00*
A-3983	Fan shaft belt washer	3 90	*2 00*
A-3986	Fan shaft nut 1920-24 (Order No. A-ACN-$\frac{7}{16}$)	(Shown on page 2657)	
	MUFFLER		Per 100
A-4025	Muffler assembly 1909-20	420 00	*225 00*
A-4031	Muffler rod nut 1909-20 (Order No. A-AHN-$\frac{5}{16}$)	(Shown on Page 2658)	
A-4033	Muffler head retainer bolt and nut 1911-24 (Order No. A-4819B)		
A-4034	Muffler bracket bolt and nut (Order No. A-3074) 1909-24		
A-4037C	Long exhaust pipe 1920-24	261 00	*140 00*
A-4041	Muffler head to frame bolt nut 1921-24 (Order No. A-4808B)		
A-4041B	Muffler head to frame bolt nut 1921-24 (Order No. A-3074)		
	HOOD		Per 100
A-4052B	Hood clip 1917-24	10 50	*5 00*
A-4053B	Hood clip spring 1917-24	4 05	*2 00*
	PARTS FOR HOLLEY CARBURETOR		Per 100
A-4130B	Carburetor flange bolt nut (Order No. A-AHN-$\frac{3}{8}$)	(Shown on Page 2658)	
A-4431	Carburetor priming rod 1909-24	9 75	*5 00*
A-4451A	Holley carburetor float with lever, 1914-21	(See Page 2586 for price)	
	FORD SPARK COIL		Per 100
A-4731	Switch plug 1909-21	9 75	*5 00*
	FENDERS, 56 inch Tread.		**Per 100**
A-4804D	Rear fender iron (right and left) Touring Car 1913-24	28 50	*15 00*
A-4805B	Rear fender iron bolt and nut Touring Car 1915-24	8 25	*5 00*
A-4806	Fender eye bolt, nut and washer, 1909-24 (old No. A 2935)	17 25	*9 00*
A-4808	Front fender iron bolt and nut (side) 1910-24	11 55	*6 00*
A-4808B	Front fender iron bolt and nut (bottom) 1910-24	9 75	*6 00*
A-4808C	Front fender apron to frame bolt and nut, 1915-24	6 75	*4 00*
	RUNNING BOARDS AND SHIELDS		Per 100
A-4816	Running board truss rod-front, with nuts 1909-24	66 00	*35 00*
A-4817	Running board truss rod-rear, with nuts 1909-24	66 00	*35 00*
A-4819	Running board to rear fender bolt and nut 1909-20	7 50	*4 00*
A-4819B	Running board to rear fender bolt and nut 1921 to 1924	9 00	*5 00*
A-4820	Running board to front fender bolt and nut Order No. A 4808C		
A-4820C	Running board to front fender bolt and nut (Order No. A-4805B)		
	CONTACT POINTS		
A-5008-9	Vibrator with tungsten point. Vibrator bridge with tungsten point (Order No. A-73PS) 1914-24 Page 2498.		
	AMMETER		
No. A-5016	1919-23 Order No. A-27F, catalog page 2587.		
	BENDIX DRIVE		
No. A-5020	Bendix key, 1919-23	3 90	*2 00*
	PLAIN HEADLIGHT LENS		
A-6576X	(See page 2478 for price).		
	PARTS FOR MODEL T ONE-TON TRUCKS		
A-1003B	Axle housing bolt nut 1918-24 (Order No. A-2719)		

FENDER BRACES

Rear.

Steel, black enameled. Designed to protect fenders from sagging. Hooks over the outside edges of fenders. Equipped with lock nut which fits against turnbuckle to prevent loosening. Length 64 inches; diameter rod ⅜ inch.

No.	A-126R
1 to 12, Each	2 25
12 or more, Each	2 16
Last, Each	$1 00

One in paper bag; wt each 1½ lbs.

A-R-G. For Ford Cars.

Front.

Steel; black enameled finish. A fender brace that rigidly and permanently prevents front fenders rattling or cutting tires. Adds greatly to the car's appearance; does not touch lamps or radiator; holds license tag up out of mud.

Per Doz

No. A-15FB—Complete with necessary bolts and rivets to attach $66 00

Half doz in wood box; wt per doz 85 lbs

A-R-G. For Ford Cars, Rear.

Steel; black enameled. Especially designed to protect rear fenders on all model Ford cars.

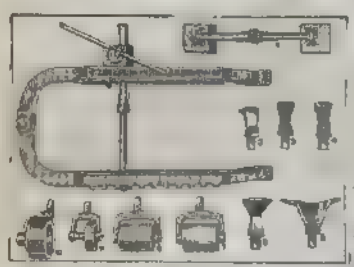
Fastens to chassis of car by regular body bolt through rear channel iron, one rivet in splash shield of fender and two in flange holds fender absolutely rigid. So formed as not to interfere with the use of any shock absorber Eliminates vibration and rattling.

Per Doz Sets

No. A-16FB—Complete with necessary rivets for attaching $66 00

Packed loose; wt per set of two 5½ lbs

FENDER STRAIGHTENERS



STILES ROLLS-EM-OUT

The device consists of an adjustable yoke constructed from two malleable iron arms hinged and slotted as shown in illustrations and through which the tension adjustment bar passes.

By means of this tension bar, the distance or spread between the arms is controlled and operated on the principle of an arbor press.

No matter what type of fender, whether flat, extreme roll or how badly crushed, the Stiles Rolls-Em-Out fender straightener set includes special shaped straightening tools to press and roll out the worst abrasions. Special attachment is included for rebeading Ford fenders. Doors, bodies, cowls, hood covers, etc., can be repaired as easily as fenders when damaged parts can be made available for application of the device.

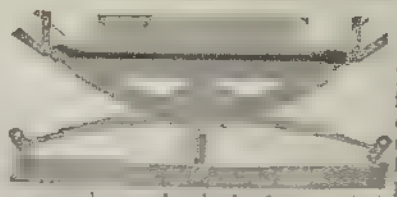
Each

No. A-55RFS—Outfit consists of malleable iron yoke and ten attachments; affording every combination necessary ..... ✦$126 00

One set in wood box; wt per set 45 lbs.

✦F. O. B. Missouri Factory Only.

CROSS MEMBER BRACES



For All Model Ford Cars.

Steel, black enameled. Designed to hook over fender braces, reinforces cross member, prevents radiator sagging, keeps front fender braces tight, prevents spring clips from coming loose also body from twisting caused by weak cross member. To install on late model Fords, turn up pointed part of front fender, install brace turn points of front fenders down over brace.

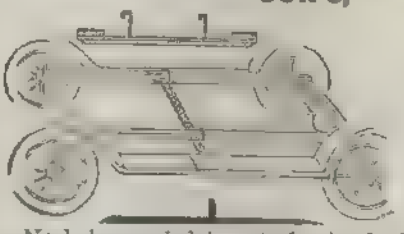
Per Doz

No. A-199—Length over all 26 ins; diam ½ in $13 50

Packed loose; wt per doz 24 lbs.

AUTO BODY BRACES

DOW'S,



For Ford Cars.

Supports the running boards, keeping them on a perfect level regardless of the weight or strain they are subjected to. It also holds the fenders firmly in place, preventing all noise and rattle.

No holes needed to attach, simply fasten the brace to the chassis and tighten the wooden absorbers which are furnished.

Each

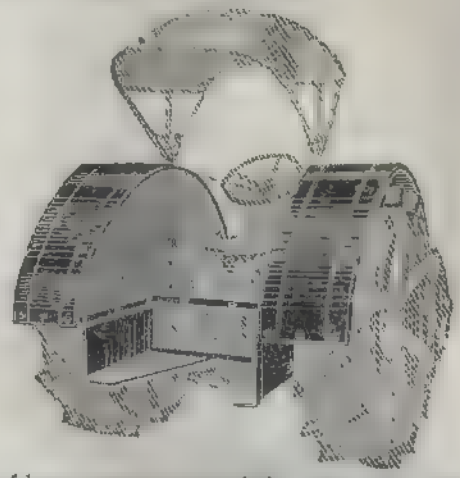
No. A-1DBB—Made of 1½x1½x¼ in. angle steel; ½ in. round steel hooks; wt each 15 lbs $4 20

No. A-2DBB—Made of 1"x1"x⅛ in. angle steel; ⅜ in. round steel hooks; wt each 10 lbs 3 15

Packed loose.

TRACTOR EQUIPMENT

MOTOLINE REGULAR FENDERS AND PLATFORM



Made of heavy gauge rust-resisting, auto sheet steel; edges rolled over heavy wire. Steel platform is very low, a few inches above the draw bar cap; well braced. Apron joined to top of fender by rolling in process. Fenders have a clearance of full 5 inches above top of drive wheel lug. By removing four bolts, platform can be removed allowing use of side-hill hitches and other such attachments.

Per Set

No. A-79MF—Painted gray; fenders and platform complete ..... ✦60 00 *$24 00*

Crated; wt per set 190 lbs

MOTOLINE CANOPY—Model T.

Each

No. A-83MC—Three bow ash frame; covered with water repellent duck, Khaki colored. Can be attached to junior fenders or regular fenders without drilling ..... ✦19 50 *$8 75*

One in bdle; wt each 12 lbs.

✦F. O. B. New York Factory Only.

REAR FENDER BRACES AND BUMPERS

MARQUETTE

T steel, black baked enamel finish. Attaches to body of car and to lower side of rear fenders. Designed to protect rear of car, saves the fenders by bracing them and protects tire carrier. Complete with necessary bolts, nuts, lock nuts and flat leather washers for attaching.

For 1924 and Earlier Model Ford Cars, Except 4 Door Sedans.

No.	A-10B
Old No.	A-65B
1 to 9, Each	9 45
10 to 29, Each	8 85
30 or more, Each	8 10
List Price, Each	$4 50

For 1923 and 1924, 2 and 4 Door Ford Sedans.

No.	A-30B
Old No.	A-66B
1 to 9, Each	9 96
10 to 29, Each	9 24
30 or more, Each	8 55
List Price, Each	$4 75

10 in crate; wt each 15 lbs.

DISPLAY STANDS

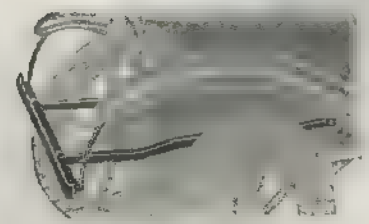
FOR MARQUETTE REAR FENDER BRACES AND BUMPERS

Steel, black baked enamel finish. Stand is made so that you can either show the bumper on the floor by itself or up against and partly under the rear of the car on display, showing the bumper as it looks installed

No. A-67DS—One given free with order for 10 bumpers and brace combinations. ..... + Free

FRONT FENDER BRACES AND BUMPERS

MARQUETTE



T steel, black baked enamel finish. Easily attached to body of car and lower side of front fender. Provides solid bracing of fenders and affords full protection to front of cars. Complete with necessary bolt, nuts, lock nuts and flat leather washers for attaching.

For all model Ford cars.

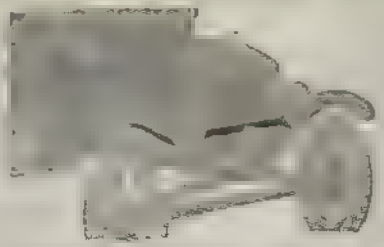
No.	A-80B
1 to 9, Each	10 50
10 to 29, Each	9 75
30 or more, Each	9 00
List	$5 00

5 in carton; wt per carton 107 lbs.

+F. O. B. Minnesota Factory Only.

FENDER BRACES

HERCULES, For Ford Cars.



Steel, black enameled. Designed to brace fenders, to prevent sagging and cutting of tires, eliminating squeaks and rattles. Equipped with crank holder which keeps starting crank in firm upright position; hump in center prevents rattling of mudguards. Easily attached by removing fender iron bolt only. Each

No. A-17—Length 30 ins, width 1¼ ins, ⅛ in thick .. $4 95

One doz in bdle; wt each 3¼ lbs

RONSON, For Ford Cars.

Steel, black enameled. Especially designed to permanently brace fenders to prevent sagging and cutting of tires. Front brace is made in one piece, rear brace is made adjustable to fit all model cars. Complete with necessary bolts for attaching. Size brace ¾x⅛ inch.

Nos.	Front A-75F	Rear A-76R
Length, ins	64¾	65
Per 100	$111 00	118 50

One doz in bdle; wt per doz 25 lbs.

SNAP-ON, Fronts.

For Ford Cars.

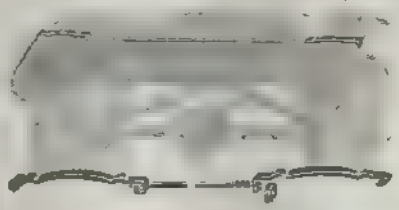
Steel black enameled. Designed to protect fenders from sagging, eliminating squeaks and rattles.

Per Doz

No. A-80F—Length 49 ins; diam rod ⅜ in 18 00 *$9 00*

One doz in bdle; wt per doz 27 lbs.

SNAP-ON, Rear.



For Ford Cars.

Steel black enameled. Designed to protect fenders from sagging, eliminating squeaks and rattles.

Per Doz

No. A-81R—Length 47¾ ins; diam rod ⅜ in 18 00 *$9 00*

One doz in bdle; wt per doz 25 lbs.

FEND-R-BRACE

Front.

Steel, black enameled. Curved to fit over headlamps. Designed to protect fenders from sagging. Hooks over the outside edges of fenders. Equipped with lock nut which fits against turnbuckle to prevent loosening. Length 64 inches; diameter rod ⅜ inch.

No.	A-125F
1 to 12, Each	2 25
12 or more, Each	2 16
List, Each	$1 00

One in paper bag; wt each 1½ lbs.

RADIATOR AND ENGINE COVERS

FROST KING, ASBESTOS LINED

Imitation waterproof leather top, genuine asbestos center; good quality felt lining. Equipped with upper and lower curtains that fasten with glove fasteners.

RADIATOR AND ENGINE COVERS COMPLETE

For Ford Cars.

†Prices on application.

	Each
No. A-38 F-C—Style C door, for 1917 to 1923 Models	$7 25
No. A-37 F-C—Style C door, for 1916 and earlier Models	7 25

RADIATOR COVERS ONLY

For Ford Cars.

Prices on application.

	Each
No. A-39 F-C—Style C door, for 1917 to 1923 Models	$4 00
No. A-36 F-C—Style C door, for 1916 and earlier Models	4 00

One in cardboard box; wt each about 4 lbs.

RADIATOR AND HOOD COVERS

For Ford Cars.

The radiator cover consists of upper and lower curtains, equipped with glove fasteners; when driving in severe weather the bottom curtain may be closed.

Hood cover is made full large with reinforced handle openings.

Dull finish imitation leather, lined with heavy brown Kersey.

For Models 1917 to 1923 Inclusive.

No.	**A-551**
Each	$6 90

For 1924 Models.

No.	**A-552A**
Old No.	A-551-24
1 to 12 Each	$7 35
12 or more, Each	6 90

For Chevrolet Superior Model Cars.

No.	**A-552**
Each	$14 70

One in cardboard box; wt each 4 lbs.

FROST KING, FOR ALL CARS OTHER THAN FORDS

†Prices on application.

	Black Diamond Quality		DeLuxe Quality Specify Color Desired	
	R & E Cover	Rad. Only	R & E	Rad. Only
BUICK Model D-44, D-45, 1916. D-47 are alike Model L-44 to L-50, 1918, are alike Model H-44 to H-49, 1919, and K-44 to K-49, 1920 1921, 1922, 1923 all 6 cyl models	$11 00	$5 50	$16 50	$8 25
1922 4 cyl 1923 4 cyl	9 50	4 75	13 50	6 75
CADILLAC— Model 59, 1920 and 1921 Model 61, 1921, 1922-1923	12 00	6 00	18 00	9 00
CHEVROLET Model 4-90, 1916-17-18-19-20-21-22 are alike	8 50	4 25	12 50	6 25
Superior Model 1923	9 00	4 50	13 00	6 50
Model F B, 1922-1923	11 50	5 25	15 00	7 50
DODGE 1916 1917-18-19-20-21-22 are alike	8 50	4 25	12 50	6 25
1923	9 00	4 50	13 00	6 50
DURANT 1922-23 4 cyl	9 00	4 50	13 00	6 50
1922-23 6 cyl	12 00	6 00	18 00	9 00
ESSEX All models 1919-20-21 1922-23	10 50	5 25	15 00	7 50
HUDSON 1918-19-20-21 Super 6 are alike 1922-23	11 00	5 50	16 50	8 25

	Black Diamond Quality		DeLuxe Quality Specify Color Desired	
	R & E Cover	Rad. Only	R & E	Rad. Only
JORDAN 1917-18-19, 7 Pass 1920, 4 and 5 Pass Brougham Model E P 20 1920, 7 pass and 1921 series VI 1923-24 all models	$12 00	$6 00	$18 00	$9 00
LINCOLN 1921-22	13 50	6 75	20 00	10 00
NASH 6-cyl. 1918-19-20-21 All models alike 6-cyl 1922-23 Truck 1 and 2 ton Model 9018 4-cyl 1921-22-23	12 00 9 00	6 00 4 50	18 00 13 00	9 00 6 50
OVERLAND Model 1920-21-22-23, 4-cyl.	8 50	4 25	12 50	6 25
PACKARD Single 6, 1921-22-23	13 50	6 75	20 00	10 00
REO Speedwagon, late 1920-21-22-23 Light 6 cyl 1919-20-21-22-23	12 00 10 50	6 00 5 25	18 00 15 00	9 00 7 50
STUDEBAKER 1920, Big 6 1921-22-23 Big 6 1922-23 Light 6 1922-23 Special 6	12 00 11 00	6 00 5 50	18 00 16 50	9 00 8 25
WILLYS KNIGHT 1920-21-22, all models	10 50	5 25	15 00	7 50

†F. O. B. Ohio Factory Only.

MOTOR CAR HEATERS

ARVIN DELUXE

For 1925 and Earlier Ford Cars.

Sheet steel, black japanned finish. Consisting of a one piece jacket that clasps snugly over the exhaust manifold in such a way as to catch all radiating heat. This heat is forcefully driven back into the car by the driving effort of the fan and the forward motion of the car.

	Each
No. A-29—Length heating jacket 21 inches; radiating plate 5½x3½ inches	3 45
One in carton with directions for installing; wt each 2 lbs.	*$1 75*

ARVIN DELUXE, For Dodge Cars.

Sheet steel, black japanned finish. Heater consists of jacket which clasps over the exhaust manifold and 7¾ inches of flexible steel tubing for connecting to radiating plate.

	Each
No. A-30—Length heating jacket 17¾ inches; radiating plate 5½x3½ inches	10 05
One in carton; wt each 5 lbs.	*$5 00*

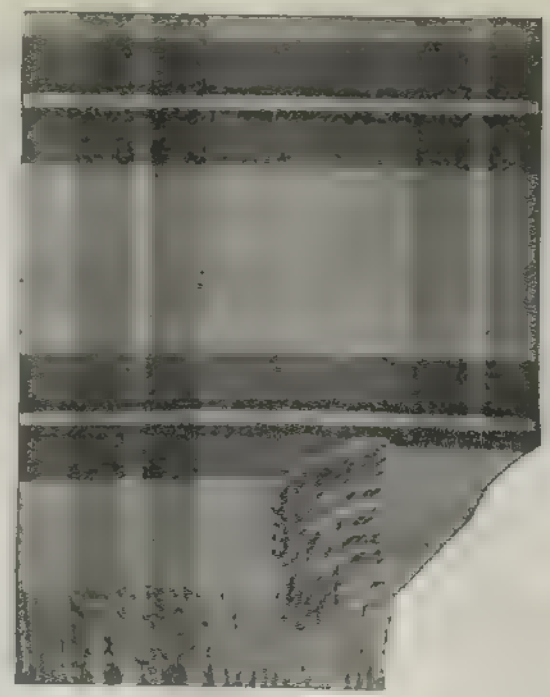
ARVIN DELUXE, For Maxwell Cars.

Sheet steel, black japanned finish. Heater consists of jacket which clasps over the exhaust manifold and 4¼ inches flexible steel tubing for connecting to radiating plate.

	Each
No. A-31—Length heating jacket 17⅞ inches; radiating plate 5½x3½ inches	10 05
One in carton; wt each 4½ lbs.	*$5 00*

AUTOMOBILE AND STEAMER ROBES

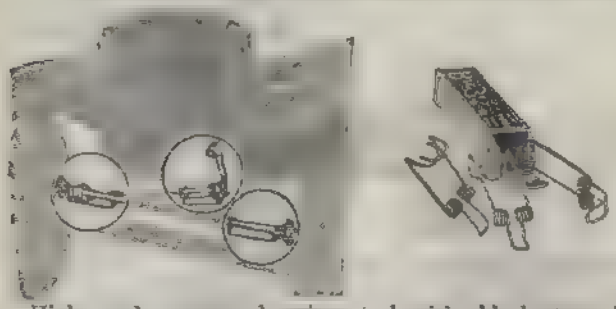
CHASE



	Each
No. A-18—Saco, size 52x72 ins; cotton and wool mixed; red, black, white drop box pattern	$7 50
No. A-1028—Gorham, size 52x70 ins; cotton and wool mixed; dark green and gray; red, green and white stripe	11 55
No. A-543—Arkwright, size 54x76 ins; cotton and wool mixed; navy ground; brown, green, red and white plaid	18 00
No. A-542—Arkwright, size 54x76 ins; cotton and wool mixed; seal ground, victoria, yellow, green and white plaid	18 00
No. A-526—Aberdeen, size 54x76 ins; cotton and wool mixed, oxford ground; crimson, seal and white plaid	22 50
No. A-520—Aberdeen, size 54x76 ins; cotton and wool mixed; drab and white ground; navy, light blue and yellow plaid	22 50
No. A-4—Oxford, size 54x76 ins; cotton and wool mixed, seal and dark green ground; yellow and white plaid; seal wool back	25 50
No. A-103—Kenmore, size 54x76 ins; all wool; light drab and green ground; light blue and white plaid	25 50
No. A-101—Kenmore, size 54x76 ins; all wool vicuna and brown ground; purple and white plain	25 50
No. A-424—Pasedena, size 60x8; ins; cotton and wool mixed; oxford ground; navy green and white plaid	30 00
No. A-421—Pasedena, size 60x80 ins; cotton and wool mixed; navy and drab ground; green, light blue and white plaid	31 05
No. A-550—Glendale, size 60x80 ins; all wool; shaded brown and white plaid	34 50
No. A-555—Glendale, size 60x80 ins; all wool; red ground; black, green and white plaid	34 50
No. A-604—Edinboro, size 60x80 ins; all wool; dark brown ground, green, red and gray plaid	57 00
No. A-111—Kenilworth, size 60x80 ins; wool and camel's hair; vicuna ground; brown, olive and white plaid, camel hair back	60 00
Packed loose.	

D 10

STEERING ANTI-RATTLERS



High grade, tempered spring steel wirie, black enameled. Designed to prevent rattle and reduce wear.

STEERING GEAR SETS

For Ford Cars.

Per Gro Sets

No. A-3—Set consists of 3 springs, 1 for steering arm and 2 for steering rod $156 00

One set in cardboard box; 12 sets in counter display box; wt per gro sets 78 lbs.

STEERING ARM ANTI-RATTLERS

For Ford Cars.

Per Gro

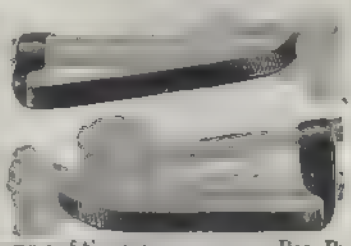
No. A-5—Steering arm anti-rattler only $78 00

One in cardboard box; 12 boxes in cardboard counter display box; wt per gro 3¼ lbs.

ANTI-RATTLERS

CHAMPION, For Ford Cars

Made of carbon spring steel, black enameled. Takes the rattle and wear out of spindle arm bolts and steering rod socket joints; keeps the bolts in place if a nut is lost, thus eliminating the cause of frequent accidents; takes the road wobble out of the front wheels; diminishes wear on the front castings and improves the steering of the car.



Per Pr

No. A-15C—Length 12 ins; ⅛ in. thick; ¾ in. wide 1 95 *$1 00*

Two doz pr in carton; wt per pr 1¾ lbs

BRAKE LEVER SPRINGS

UNIVERSAL

For Ford Cars.

High grade tempered steel wire. Designed to replace flat steel spring in brake lever handle, holding all parts firm, eliminating all noises.

Per Card

No. A-79—25 mounted on counter display card $5 55

One card in paper bag with instructions for applying

WINDOW ANTI-RATTLERS

For Closed Cars.

A rubber button so made that when fastened to the frame it turns in and down against the glass forming a wedge. As the screw it works on is off center and can be set at any tension desired by adjusting screw, it holds them firmly in place.

Per Card of 3 Doz

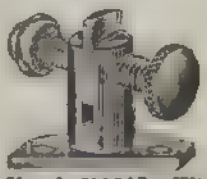
No. A-BWAR—Wt per doz ½ lb 12 00 *$5 40*

Three doz on display card.

WINDOW ANTI-RATTLERS

SEGAL

For Closed Cars.



Brass, nickel plated. Swivel base permits adjustment to any angle or position. Automatic locking clutch which prevents working loose, permits ventilation and locks window. Complete with screws for attaching.

Per Doz

No. A-6018AR—Wt per doz 2 lbs 3 90 *$4 50*

One doz in cardboard box.

For Closed Cars.

Full nickel plated, rubber-tipped, has lock nut which prevents coming loose. Prevents the annoying rattling of windows in closed cars. Complete with nickel plated screws for attaching.

Per 100

No. A-50WA—Small size; wt per doz ½ lb $39 00

One in carton; 25 in display box.

For Closed Cars, With Special Built Winter Tops.

Heavy brass, heavily nickel plated; vacuum rubber tip which creates a suction and resilient.

Per 100

No. A-53—Heavy size; wt per doz 1½ lbs $49 50

No. A-52—Junior size; wt per doz 1 lb 52 50

One doz in carton.

HOOD SILENCERS

JORGENSEN

Black rubber, made with vacuum cup at one end and slot at other into which the hood fastener fits. Designed so that the vacuum cup creates a suction that holds them tight against the car hood with a vicelike grip.

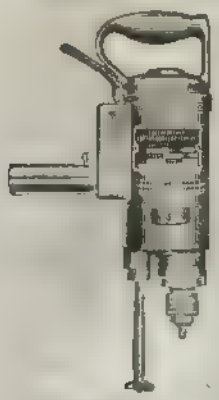
Nos.	A-1J	A-3J
Length, ins	1¼	1½
Wt per doz sets	5	4
Less than 12 sets, Per Set	$1 95	2 25
12 sets or more, Per Set	1 80	2 10

One set of 4 in cardboard box; 12 sets in counter display box.

Name of Car	Model	Silencer No.
Apperson Phaeton	1923	A-1J
Bay State	1923	A-1J
Buick	1917-22	A-1J
Chandler	1918-21	A-1J
Dodge	1923 & Earlier	A-1J
Dort 4	1920-21	A-1J
Dupont	1923 & Earlier	A-1J
Haynes	1923	A-1J
Hupmobile	1921-23	A-1J
Jordan	1921	A-1J
Lexington	1922-23	A-3J
Liberty	1921	A-1J
Maxwell	1923 & Earlier	A-1J
Mercer	1922 & Earlier	A-3J
Mercer	1923	A-1J
Nash 4, 6	1919-21	A-1J
Oakland	1923 & Earlier	A-1J
Overland	1922 & Earlier	A-1J
Paige-Arrow	1923	A-1J
Premier	1923	A-1J
Rickenbacker	1923 & Earlier	A-3J
Stephens	1923	A-3J
Studebaker	1923 & Earlier	A-3J
Velie	1923	A-1J

COMBINATION DRILL AND VALVE GRINDERS

GARAGE SPECIAL—PORTABLE, SINGLE SPEED



For Either Alternating or Direct Current.

Body made from aluminum alloy; for drilling in metal or wood and valve grinding. Offset of spindle from side of frame 1⅛ inches for close corner work; equipped with spade handle; oscillating spindle for valve grinding. Especially adapted to use in garages, service stations and light work in machine shops. Will operate on direct or alternating current; improved universal motor, heat treated alloy steel gears; ball-bearings; improved ventilation with air intake so located that clean air is drawn through motor. No load R. P. M. 600; length over all 13 inches; diameter gear case 3⅝ inches; complete with chuck to take straight shank bits. Capacity shown over number: 10 feet heavy duplex electric cable with attachment plug

Model G. S., Size ½ Inch Capacity.

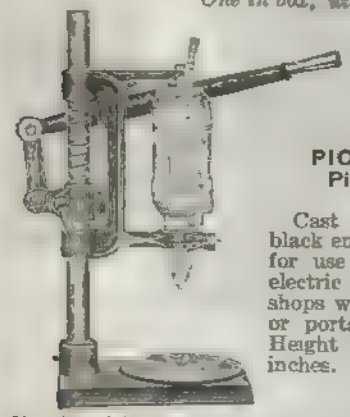
			Each
No. A-GS-½-110—110 volts	184	35	*$65 00*
No. A-GS-½-220—220 volts	+193	35	*68 00*
No. A-GS-½-32—32 volts	+193	35	*68 00*

Model G. S., Size ⅜ Inch Capacity.

			Each
No. A-GS-⅜-110 110 volts	170	10	*$60 00*
No. A-GS-⅜-220 220 volts	+179	10	*63 00*
No. A-GS-⅜-32 32 volts	+179	10	*63 00*

One in box; wt each 18 lbs.

DRILL STANDS



PIONEER, For Use With Pioneer Electric Drills.

Cast iron and steel construction, black enameled. Especially designed for use in connection with Pioneer electric drills in garages and other shops where both bench and outside or portable drilling is to be done. Height 24 inches; size base 10x14 inches.

			Each
No. A-1-¼—For ¼ in. drill	+81	00	*$30 00*
No. A-2-⅜—For ⅜ in. drill	+94	50	*35 00*
No. A-3-½—For ½ in. drill	+94	50	*35 00*
No. A-4-⅝—For ⅝ in. drill	+94	50	*35 00*

Crated; wt each 75 lbs.

WOODRUFF KEYS

ASSORTMENTS—Regular.

Special high grade steel, accurately machined to exact size.
100 assorted sizes in a box.

	Per Doz Boxes
No. A-1R—Wt per doz boxes about 18 lbs	$42 00

For Ford Cars.

Special high grade steel, accurately machined to exact size.
12 assorted sizes in a box.

	Per Doz Boxes
No. A-1F—Wt per doz boxes about 3 lbs	$9 00

+F. O. B. Kentucky Factory Only.

ANTI-RATTLING BALL SOCKETS

APCO, For Ford Cars. For Steering Rod.

Hard brass casting, black enameled finish.

Designed to replace steel cap on both ends of steering gear connecting rod. Adjustment is secured by means of a screw plug in the base of the shell. Eliminates steering gear rattling and vibration, makes steering easier, and saves wear and tare.

No.	**A-1BS**
1 to 9 pairs, Per Pair	$0 69
10 to 99 pairs, Per Pair	66
100 or more pairs, Per Pair	60

One pair in carton; wt per doz pair 4¼ lbs.

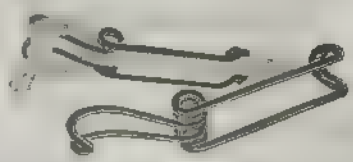
APCO, For Ford Cars. For Radius Rod.

Same as No. A-1BS, except of larger and heavier construction, and is for use on radius rod.

No.	**A-3BS**
1 to 9, Each	$0 69
10 to 99, Each	66
100 or more, Each	60

One in cardboard box; wt per doz 10 lbs

BRAKE ROD ANTI-RATTLERS



LITTLE BRATS

Eliminates rattles in Ford brake rods, adds to safety of construction. Two "Brats" are used on each brake rod; at rear of rod, the loop end slips over hub brake expander lever and other around the rod; at front, loop slips over brake shift lever, other ends around rod.

Made of high grade tempered spring wire, with baked japan finish; intended for Fords but will fit majority of other makes of cars also.

	Per Doz Sets
No. A-1LB—Wt per doz sets 10 lbs	$7 95

One doz sets in attractive counter display box.

ANTI-RATTLERS OR STEER AIDS

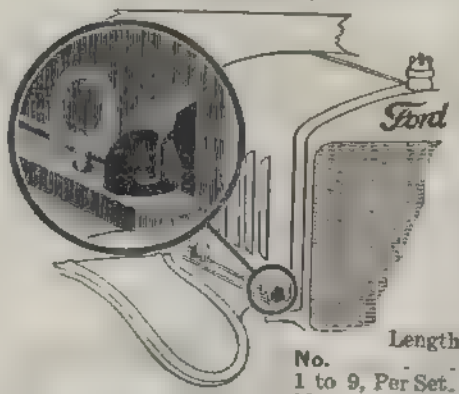
Especially Adapted to Ford, Dodge and Maxwell Cars.

A simple device that fastens on the steering rod, which does away with all rattle and noise in the steering rod; they keep wheels in alignment, cut down front tire wear, saves bushings and reduces skidding.

	Per Doz Pair
No. A-10AR—Oil tempered steel wire, baked japan finish	$7 95

One doz pair in cardboard box; wt per doz pairs about 9 lbs.

HOOD SILENCERS
JORGENSEN, For Ford Cars.



Black rubber. Slips over the head of the hood, where it fits snugly into place and forms a live rubber cushion between the edge of the hood and the sill, on which the hood rests, eliminating hood rattles.

Length 1⅛ ins.

No.	A-4F
1 to 9, Per Set	0 98
10 or more, Per Set	90
List, Per Set	$0 45

One set of 4 in carton; 10 cartons in counter display carton; wt per set ½ lb.

HOME TOWN PLATES
WESTERN

Steel, baked enamel finish. Letters are 1½ inches high embossed.

When ordering give name of town and color of plates wanted. Width 3 inches; length to accomodate name of town, city or state.

	Each
No. A-25—Lots of 25 plates	✦$0 96
No. A-50—Lots of 50 plates	✦ 75
No. A-100—Lots of 100 plates	✦ 63
No. A-200—Lots of 200 plates	✦ 60
No. A-500—Lots of 500 plates	✦ 54
No. A-1000—Lots of 1000 plates	✦ 42
Packed in cartons; wt each ½ lb.	Per Pair
No. A-26SC—Clamps for attaching Home Town Plates	✦$0 24

One pair in pkg; wt per pair ½ lb.

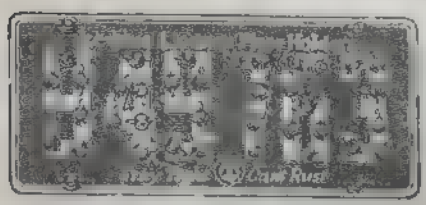
LICENSE BRACKETS
NEVEROUT, For Ford Cars.

Heavy stamped steel, black enameled; complete with bolts, nuts, lock washers and leather washers. Fastened by the two nuts at front of spring clips (as shown in illustration).

	Per Doz Sets
No. A-97—Length over all 4½ ins	$4 95

One in cardboard box; wt per doz sets 3 lbs.

LICENSE PLATE HOLDERS
STEVENS



Steel, nickel plated. Holder consists of screw with slotted head, wing nut, leather washer, flat washer and lock washer. Holds license plate securely and prevents rattling.

Forty mounted on a counter display card 7x16 inches.

	Per Card of 40
No. A-7LPH—Wt per card 2½ lbs	$4 80

One card in carton.

✦F. O. B. Minnesota Factory Only.

CRANK RATCHET PINS
JIFFY

High carbon steel pin, with steel spring clip, which clamps over crank shaft and holds the pin securely in place.

	Per 100
No. A-4J-RP—Length over all 1¼ ins	$19 50

Packed loose; wt per 100 about 3¾ lbs.

CRANK SHAFT STARTING PINS
For Ford Cars.

Carbon steel, equipped with steel, stattight clip spring; can be applied without removing the fan and radiator assembly.

	Each
No. A-16SP—For models 1909-20; lgth over all 2¾ ins	$0 27
No. A-17SP—For models 1920 24; lgth over all 3½ ins	27

Packed loose.

STEEL TAPER PINS
Taper ¼ inch to the foot.

Nos.	Per 100	List Per 100	Size	Length Ins	Diam Lge end Ins	Approx Fractional Size Ins
A-01	Prices on application.	$2 05	0	1	.156	5/32
A-0½		2 55	0	1¼	.156	5/32
A-0¾		2 80	0	1¾	.156	5/32
A-11		2 25	1	1	.172	11/64
A-1½		2 75	1	1¼	.172	11/64
A-1¾		3 00	1	1¾	.172	11/64
A-21		2 35	2	1	.172	11/64
A-2¾		3 10	2	1¾	.193	5/16
A-22		3 60	2	2¼	.193	5/16
A-2½		3 85	2	2½	.193	5/16
A-31		2 55	3	1	.219	7/32
A-3¼		3 30	3	1¼	.219	7/32
A-3¾		4 50	3	2¾	.219	7/32
A-42		3 75	4	2	.250	¼
A-43		4 75	4	3	.250	¼
A-5½		4 75	5	2¼	.289	19/64
A-53		6 15	5	2¾	.289	19/64

100 in cardboard box

STEEL TAPER PIN ASSORTMENTS

Consists of 43 pins as follows:

Quantity	Size	Length ins	Quantity	Size	Length ins
5	00	¾	5	2	1½
5	0	1	4	3	1¾
10	1	1	4	4	2
5	1	1¼	5	5	2

	Per Ass't
No. A-9TP—Complete as described above	$0 99

One ass't in cardboard box, wt per ass't about 2½ lbs.

CRANK PIN TOOLS
ADJUSTABLE
For Automobiles, Trucks, ractors and Stationery Engines.

Steel, blued finish; feed screw the only ajustment to operate. The carriage holds blade rigidly parallel with hardened jaw plates at all diameters, which insures a straight round pin being generated. Can be used under the car, eliminating the tearing down of motor to remove shaft. Eight standard blade lengths supplied with each toolso full width of bearing and fillet may be cut. Cutting blade always on crank pin center radially opposite hardened steel jaw plate at all diameters.

	Each
No. A-1—For 1¼ to 2¼ inch shaft; wt each 7 lbs	$180 00
No. A-2—For 2 to 3 inch shaft; wt each 11 lbs	210 00

One in wood box.

GEAR SHIFT BALLS

ONYX

Round, unbreakable, genuine Pedrara Onyx, highly polished. Mined from the famous California Onyx Region. Adds to the attractiveness of car and is much better to handle than the ordinary iron or composition ball regularly furnished on cars. Especially designed to fit cars shown in chart below. Diameter 1¾ inches.

Nos.	A-1	A-2	A-3	A-4	A-5	A-6	A-7
Each			4 50	$2 00			

Nos.	A-8	A-9	A-10	A-11	A-12	A-13
Each	4 50	4 50	4 50	4 50	4 50	4 50
	$2 00	2 00	2 00	2 00	2 00	2 00

10 in cardboard box; wt each 6 ozs.

Car	Year	Nos.
Allen		A-4
Anderson		A-2
Apperson		A-2
Auburn		A-7
Buick		A-1
Cadillac		A-5
Case	19-20	A-6
Case	23	A-5
Chandler	24	A-5
Chandler	20-23	A-1
Chevrolet	22	A-5
Chevrolet	23	A-1
Cleveland	to 23	A-12
Cleveland	23	A-5
Cole, Chummy		A-6
Cole		A-7
Columbia		A-2
Comet		A-6
Crawford		A-2
Daniels		A-2
Daniels, M. D	21	A-7
Davis		A-1
Dodge		A-3
Dogmar		A-2
Dorris		A-7
Dort	to 22	A-12
Dort	23	A-5
Durant		A-1
Elcar	18	A-6
Elcar	19-21	A-12
Elgin		A-12
Essex		A-4
Franklin	to 22	A-11
Franklin	From 22	A-5
Gardner		A-12
Gardner	23	A-5
Grant		A-2
Haynes	22-23	A-6
H. C. S.	to 23	A-7
H. C. S.	24	A-10
Hudson Super Six		A-4
Huffman		A-4
Hupmobile		A-2
Interstate		A-6
Jackson	17-21	A-4
Jewett		A-6
King	17-20	A-2
LaFayette		A-5
Leach		A-2
Lexington		A-7
Liberty	17-19	A-2
Lozier		A-3
Locomobile		A-6
Maxwell		A-2
Monroe		A-12
Moon 6-40	23	A-6
Moon	19-22	A-2
Nash		A-3
National		A-2
Oakland		A-1
Oldsmobile	23	A-3
Overland		A-3
Paige	to 21	A-10
Paige	22-23	A-6
Patterson		A-2
Peerless		A-2
Pierce Arrow		A-2
Pilot		A-6
R. & V. Knight		A-2
Reo		A-2
Revere		A-2
Roamer		A-6
Saxon		A-4
Sheridan		A-7
Star		A-5
Stevens	23	A-5
Studebaker	18 & 19 to 25	A-8
Stutz		A-1
Tulsa, 4 cyl		A-6
Velie		A-2
Westcott		A-3
Wills St. Claire		A-3
Willys-Kt		A-3
Winton, 6		A-7

4F. O. B. California Factory Only.

TIRE LOCK CHAINS

Highest grade ½ inch steel cable with drop forge ends, covered with genuine harness leather and arranged so the ends can be secured with a padlock.

	Each
No. A-532—Length 32 ins	$1 95

Packed loose; wt each 1½ lbs.

NOWELD

A hardened, thief-proof, substantially made chain which cannot be cut.

Strong weldless chain made of ⅜ inch wire, covered with the best Fabrikoid and arranged so that the two ends can be secured with a padlock. The Fabrikoid covering makes them easy to handle and obviates scratching the car enamel.

Used effectively whether tires are carried on back of machine or running board.

Nos.	A-30NW	A-36NW
Length, ins	30	36
Wt per doz, lbs	16	19
Per Doz	$24 00	27 00

Half doz in carton.

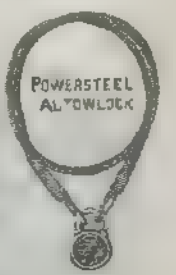
BULL DOG

Strong weldless steel chain covered with leatherette and arranged so that the two ends can be secured with a padlock. One ring is passed through the other, so that the chain can be drawn up as tight as desired, or arranged to encircle two tires. The covering makes it pleasant to handle and obviates scratching of the paint-work of the car.

	Per Doz
No. A-1TC—Length 42 ins	$22 50

Half doz in cardboard box; wt per doz 10 lbs.

POWERSTEEL



Highest grade steel wire rope, covered with an exceptionally strong fabric; heavy brass lock with steel key. This lock will be found very convenient for many purposes.

	Each
No. A-2PS—Length of rope 4 ft	6 15
Packed loose; wt each 2 lbs.	*$2 50*

SAFE GUARD LOCKS

An ideal lock for safe guarding robes, coats, tires and whatever else may be left in the car. Nickel plated steel 1¼x1¾ inches, with two steel keys and case hardened chain.

	Per Doz
No. A-25—With 25 in. chain; wt per doz 6 lbs	$39 00

Half doz in cardboard box.

TIRE CLAMPS

HERCULES

For Ford and other small cars.

Consists of strong black enameled malleable casting, that takes the place of regular rim wedge on tire carrier. In the lower end of casting is hinged a strong steel band that goes around tire and fits on to rim band of carrier.

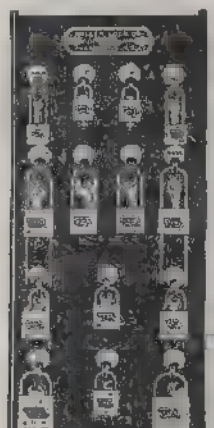
To attach, remove present rim wedge, slip one end of protector over exposed stud, swing hinged band up at back of tire and pass padlock through both ends of protector.

Without Padlock.

No.	**A-3**
1 to 11, Each	2 01
12 or more, Each	1 80
List, Each	*$1 00*

Packed loose; wt per doz 12 lbs

AUTOMOBILE PADLOCK ASSORTMENTS



MILLER

Assortment consists of 14 padlocks 2 each: Nos. 40, 40LS, 41, 41LS, 42, 44SS and 44CS. Mounted on steel panel 21 inches high and 9¼ inches wide; dark green finish.

The panel is supplied with hinges and screws ready to hang. Rear of panel carries a sheet showing suggested resale prices, selling arguments, list of Dealers helps, etc. It is an attractive store fixture of permanent value.

Per Ass't

No. A-940—Complete as described above. $25 50

One ass't in cardboard box; wt per box 7½ lbs.

PADLOCKS FOR NO. A-940 ASSORTMENT

	Per Doz
No. A-40—Wt per doz 1⅝ lbs	$12 75
No. A-40LS—Wt per doz 1¾ lbs	15 75
No. A-41—Wt per doz 3 lbs	16 50
No. A-41LS—Wt per doz 3⅜ lbs	18 90
No. A-42—Wt per doz 5¼ lbs	21 00
No. A-44CS—Wt per doz 4¼ lbs	30 00
No. A-44SS—Wt per doz 6 lbs	24 00

Nos. A-40, A-40LS, A-41 A-41 LS and A-44CS, one doz in cardboard box; Nos. A-42 and A-44SS, one-half doz in cardboard box.

AUTOMOBILE LOCKS

FOR TIRE CARRIERS ON 28 MAKES OF CARS

Heavy cast brass case, polished; formed nickeled steel rod shackle; spring lever tumblers; numerous key changes; two corrugated, nickeled steel keys with each lock. Adjustable to 1½ inches, insuring a perfect fit of the lock on the tire carrier.

The only lock that will completely protect tires on the new tire carrier on the Buick, Overland, Oakland, Chevrolet, Ford Coupe or cars having that particular tire carrier.

Per Doz

No. A-1098A—Size case 1⅝ in; diam shackle ¼ in $30 00

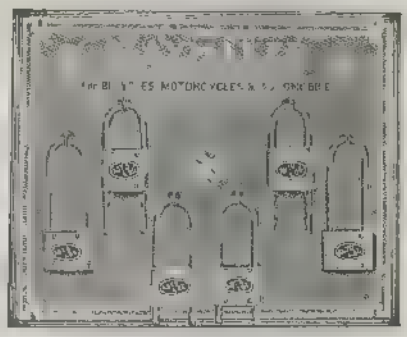
One doz on display board wt; per doz 4⅛ lbs.

Per Doz

No. A-1098—Size case 1⅝ ins; diam of shackle ¼ in $29 25

One doz in cardboard box; wt per doz 4 lbs.

AUTOMOBILE STEERING WHEEL LOCKS



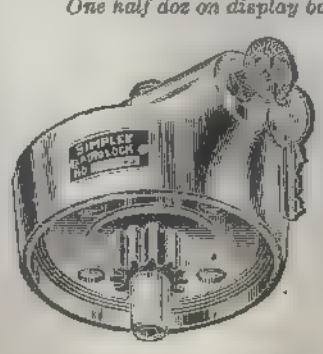
FRAIM—SLAY MAKES

A very substantial and practical lock for locking throttle and spark plug lever to steering wheel or some other part of the frame. Can be used on any style automobile.

Per Doz

No. A-1EAL—Heavy polished brass case 2⅛ ins. wide, 1½ ins. long; adjustable steel shackle 5⅜ ins long, self locking; double locking bolts; two corrugated steel keys. Length over all 6 ins $27 00

One half doz on display board; wt per doz 16 lbs.



SIMPLEX RIGID

For Ford Cars.

Constructed of case hardened drop-forged steel, nickel plated. Will withstand chisels, hacksaws, files, hammers, etc.

Locks the front wheels preventing the car being driven or towed.

Each

No. A-18F—Wt each 1¾ lbs $9 45

One in carton.

STEERING WHEELS

LOWERY, TILTING WHEEL

A-200

A-201

Approved by the Underwriters Laboratories and Insurance Companies allow lower rates where they are used.

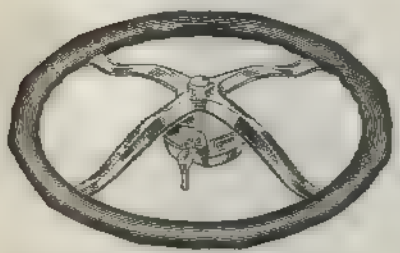
Tilting feature allows ample room to get in and out of car, locking as a protection against theft. Equipped with quarter turn yale locking cylinder conveniently placed on top of lock. Key removable in locked or unlocked position. 17 inch corrugated genuine black walnut rim, polished aluminum spider.

		Each
No. A-200—For Ford Cars; Spinning Type; wt each 10 lbs	28 50	*$15 00*
No. A-201—For Chevrolet Cars; Spinning Type with horn button; wt each 7½ lbs	28 50	*15 00*

One in carton.

SIMPLEX

RIGID, STATIONARY LOCKING TYPE



For Ford Cars.

Approved by the Underwriters Laboratories, and Insurance Companies allow lower rates where they are used.

Case-hardened, drop-forged steel throughout; locks front wheels rigid in one of four positions; assembled into a 17 inch genuine walnut corrugated steering wheel, with a specially designed polished aluminum spider. Equipped with Yale lock to which no master keys are made

No.	**A-98**
Less than 12, Each	18 00
12 or more, Each	17 25
List Price, Each	*$10 00*

One in carton.

SEWELL, All Wood.

Approved by the Underwriters, Laboratories and Insurance Companies Allow Lower rates where they are used.

17 inch corrugated genuine walnut rim. Spider made of laminated wood, each layer is crossed, giving strength, and each layer extends across the wheel in one piece, entering the rim in four places. Equipped with a four-pin tumbler, case-hardened, Russwin lock, hexagon shape; nickel plated housing. Electric horn button on top of the wheel with all wires concealed.

With Lock, Spinning Type.

	Each
No. A-100 Wt each 9 lbs	36 00
	$18 50

Without Lock.

	Each
No. A-101—Wt each 5 lbs	21 60
One in carton.	*$10 00*

STEERING WHEELS

STANDARD

Pure virgin aluminum spider, highly polished; 17 inch corrugated imitation walnut wood rim, highly polished.

For Ford and Gray.

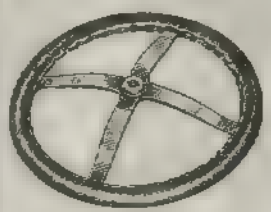
No.	**A-12SWA**
Less than 12, Each	$6 00
12 or more, Each	5 55

Fifteen in carton; wt each 2½ lbs.

For Chevrolet and Star.

No.	**A-13**
Less than 12, Each	$6 75
12 or more, Each	6 45

Ten in carton; wt each 2½ lbs.



For Ford Cars.

Stationary; 17 inch.

Aluminum spider; corrugated rim; highly polished. Properly machined to fit the standard Ford steering column. Each

No. A-14SWA—Genuine walnut rim $8 25

One in cardboard box; wt each 6 lbs.

SHELLERITE

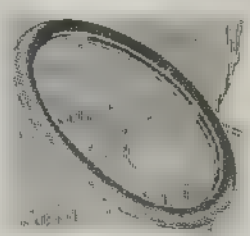
Corrugated, composition shellerite rim; inserted aluminum spider. Rim will not warp, crack or fade. These wheels are now standard equipment on many cars. Size 17 inches.

	1 to 9 Each	10 or more Each	List Each
No. A-55FSF—For Ford cars	10 50	9 75	*$5 00*
No. A-56FSD—For Dodge cars	10 50	9 75	*5 00*
No. A-57FSC For Chevrolet and Star cars	10 50	9 75	*5 00*

One in carton; wt each 4½ lbs.

STEERING WHEEL COVERS

RID-GED GRIP



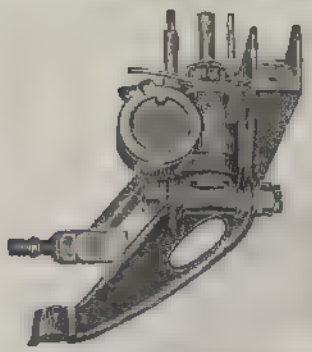
Black para gum. Easily applied; non-skid feature on the inner circumference prevents slipping and creeping on rim and holds the cover in place.

On all Ford regular and lock wheels, as on several other makes, the spokes or arms of steering wheel project over the edge of steering wheel rim. To eliminate the grip bridging over the end of steering wheel spokes, there are four loop beads on one side of cover. To make cover lay snug to the wheel, with overlapped spokes, cut out the rubber at inner edge of the loop beads, this allowing the cover to fit around projected spoke end when applied.

	1 to 9 Each	10 or more Each	List Each
No. A-1516—Medium size for standard size Ford steering wheel and others of like size	3 75	3 45	*$1 75*
No. A-1718—Large size for 17 and 18 in. wheels including the Ford lock wheel	3 75	3 45	*1 75*

Ten in carton; wt each 12 ozs.

WORM STEERING GEARS



SPRAGUE, For Ford Cars.

Ford cars. Easily attached without injuring any parts of the equipment. Responds to the slightest turn of the steering wheel. Road shocks do not change the course of car.

A complete set of instructions for attaching furnished with each gear.

No.	A-2SSG
Each	45 00
List, Each	*$20 00*

Packed loose; wt each 20 lbs.

STEERING COLUMN BRACES

TURKO

For Ford Cars.

Semi-steel. Prevents excessive vibration, loosening of the column caused by pulling on the steering wheel when getting in and out of car

Easily attached without use of drill or screws, fits snugly around steering column and clamps to instrument board. Complete with instructions for attaching.

	Black Enameled	Nickel Plated
Nos.	A-44B	A-44N
Each	2 25	2 70
List Price, Each	*$1 00*	*1 25*

One in cardboard box; wt each 2 lbs.

WHEEL BEARINGS

SCOTT R. COPPINS

For Ford, Chevrolet and Maxwell Front Wheels.

Highest grade steel balls, race and cone. The cone together with the balls are readily removed from the cup but still the balls cannot be separated. Complete with dust and felt washer.

Set consists of 4 pieces or 2 pair.

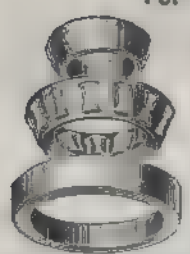
No.	A-7BB
1 to 12 sets, Per Set	$8 25
12 or more sets, Per Set	7 80

One set in cardboard box; wt per set 3½ lbs.

ROLLER BEARINGS

SHAFER SELF-ALIGNING

For Ford and Chevrolet 490 Cars.



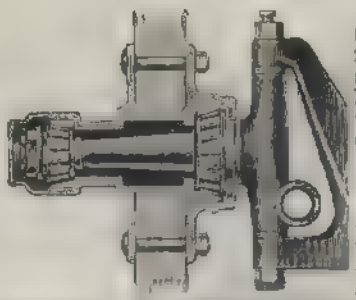
Highly tempered steel. Takes place of old bearings in front wheels. Shafer bearings are furnished interchangeable into the Ford and Chevrolet 490, without machining or modification of either bearings, hubs or axles. The cone surface contact represents a ball segment, the concone rollers operate between these two segments on an approximate 20° angle. Designed on same principle as tapered bearings on high priced cars. When dissembled the retainer holds rolls in their place on the cone making mounting easier and less liable for misadjustment.

No.	A-6SRB
1 to 6, Per Set	12 00
6 or more, Per Set	11 25
List Price, Per Set	*$6 00*

One in cardboard box; wt per set 2 lbs.

ROLLER BEARINGS

TIMKIN, For Fords and Chevrolet 490 Models Prior to 1922



Highly tempered steel; replaces old bearings in front wheels, interchangeable into Ford and Chevrolet 490 cars, prior to 1922. without modification of either bearings, hubs or axles, Designed on the same principle as tapered bearings used on high priced cars. When dissembled the retainer holds the rolls in their place on cone making mounting easier and less liable for misadjustment. Set consists of one pair of tapered roller bearings and enclosure for right and left front wheels.

	Per Set
No. A-1001—Set consists of four bearings to replace the following Ford Nos.: one 2837, two 2836, one 2838, two 2834, two 2833 and two 2841	14 40
	$5 70

One set in cardboard box; wt per set 8 lbs.

	Each
No. A-1002R—Right hand bearings to replace the following Ford Nos.: one 2837, one 2836, one 2834, one 2833 and one 2841	6 75
	$2 85
No. A-1003L—Left hand bearings to replace the following Ford Nos.: one 2838, one 2836, one 2834, one 2833 and one 2841	6 75
	$2 85

One in cardboard box; wt each 1½ lbs.

ROLLER BEARING PARTS FOR FORD CARS

		Each
A-2833—Front hub bearing cup (inner) 1919-24	1 20	*$0 50*
A-2834—Inside cone and roller assembly 1919-24	3 00	*1 10*
A-2836—Front hub bearing cup (outer) 1919-24	1 05	*40*
A-2837—Outside cone and roller assembly, right thread 1919-24	1 80	*75*
A-2838—Outside cone and roller assembly, left thread, 1919-24	1 80	*75*
A-2841—Front hub dust cap assembly 1919-24	27	*10*

FRONT WHEEL

For Ford and Chevrolet 490 Cars.

Interchangeable with the ball-bearings supplied in Ford and Chevrolet front hubs without machining or modification of either bearings, hubs or axles.

Ring cone and rollers forged from high carbon chrome alloy steel, giving a uniform hardness throughout. Roller separator is a high carbon steel stamping complete in one piece of such design that the rollers are always held in proper position, making the bearing self-aligning and easily adjusted.

	Per Set
No. A-10RB—For one-set four bearings	$11 25

Twenty-five sets in cardboard box.

CONNECTING RODS

For Ford Cars.

High carbon steel, natural finish. Complete with bolts and nuts for holding cap. Bearings are put in under air pressure eliminating blow holes.

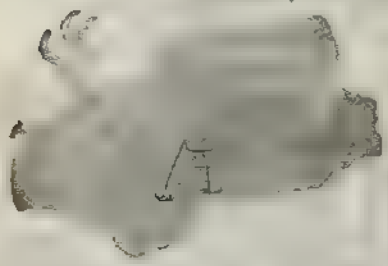
	Each
No. A-3024—Wt per doz 20 lbs	$2 55

Packed loose.

p 10

CRANK CASE REPAIR ARMS

HUDSON, For Ford Cars.



Can be easily and quickly installed without removing the engine and tearing it apart. All that is necessary is to loosen our bolts and slip the Hudson repair arm into place and bolt up. Plain cast iron; height 6 inches.

	Each
No. A-2FCA—Fits all Model Ford Cars with or without self starter	$3 60

Packed loose; wt each about 2 lbs.

CRANK CASE SUPPORTS

TURKS

For Ford Cars.

Malleable iron, heavily ribbed; simplifies the replacement of broken crank supports. Quickly and easily attached.

	Each
No. A-70—Wt each 1¼ lbs	1 35 $0 75

Packed loose.

APCO

Fits all model Ford Cars.

Made from boiler plate steel. Can be easily and quickly installed without removing the engine.

No.	A-30FCA
Wt each, lbs	2
1 to 9, Each	$1 44
10 to 49, Each	1 35
50 or more Each	1 26

Packed loose.

AXLE SHAFTS

DIAMOND "B"

HEMPEL MACHINE CO. MAKE

Made of special alloy high carbon hot rolled steel heat treated in the bars. All shafts are machine straightened therefore giving them a perfect balance.

Bearings spaces have a highly ground finish are guaranteed to fit with allowances made for wear. Keyways and threads are also accurate. The shafts are put through a micrometer inspection before they are packed for shipment.

For Ford Cars.

No.	A-2505
Tread, ins	56
Less than 25, Each	2 25
25 or more, Each	2 10
List Price, Each	$1 50

Packed loose; wt each 7½ lbs.

For Ford Trucks.

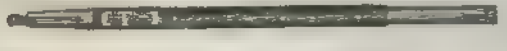
No.	1013
Each	$12 00

HEMPEL MACHINE CO. MAKE

	Each
No. A-DE-1—For Dodge cars	$4 50

Packed loose; wt each 10 lbs.

HEMPEL MACHINE CO. MAKE



	Each
No. A-CT-1—For Chevrolet cars, model 490	$3 45

Packed loose; wt each 8 lbs.

Note—We can furnish axle shafts for practically every make of car. When ordering specify make, model and year of car.

CRANK HOLDERS

Made of extra heavy best quality harness leather; exceptionally well sewed; socket is of one piece leather. Length over all 21 inches.

	Per Doz
No. A-10CH—Length socket 4¼ ins	$6 45

Packed loose; wt per doz 5 lbs.

FRONT RADIUS RODS

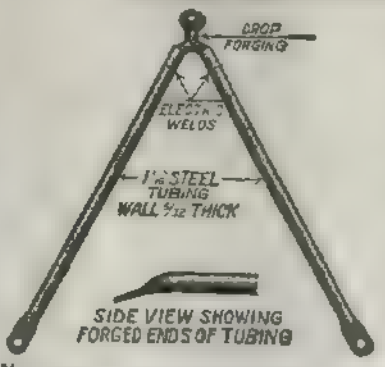
REGULAR, For Ford Cars.

Extra heavy steel tubing, with drop forgings at each end and at angle. Fits any model Ford car.

No.	A-2733
Less than 25, Each	$3 45
25 or more, Each	3 24

Packed loose; wt each 8 lbs.

For 1920 And 21 Model Ford Cars.



New Type, Attaches beneath the Axle.

An extra strong rod made of heavy Bessemer butt-welded straight steel tubing. The "Y" drop-forging is of unusual strength, and open ends of tubing are forged into shape to secure an extra strong construction at these points.

No.	A-2733B
Less than 25, Each	$3 45
25 or more, Each	3 24

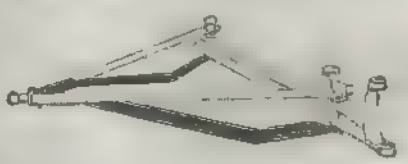
Six in bundle; wt each 6½ lbs.

FRONT RADIUS ROD SUPPORTS

PERFECTION, For Ford Cars.

Interchangeable. Fits all Model Ford Cars.

In attaching to 1920 and 1921 models it necessitates bending of bar about 1/16 of an inch.



Made of steel angle 1x1x⅛ inches. For reinforcing the radius rod and to brace the front axle, preventing it from bending. Will not rattle nor become loose; easily and quickly attached.

	Each
No. A-1P—Wt each 7 lbs	$1 86

Half doz in bdle.

NEW STYLE

For Ford Cars Equipped with New Type Radius Rods.

Made of heavy 1x1x⅛ in. steel angle, equipped with patented twin hook bolt which holds it securely in position at crotch; supports held firmly to spring perch by ⅜ inch U bolts.

	Each
No. A-2P—Wt each 5 lbs	$2 25

Half doz in bundle.

Gifts for Christmas

Order Early

Finest Toy Wood Violins

Imported three-quarter size toy wood Violin. Nicely stained, with strings tuned and pulled. Horse hair bow. Violin has hinged top to protect the finish. Bow has hook above mounted. Violin in cardboard carrying box.

48 C 3650 Postage 15c extra $2.30

$2.39

21 Inches Long

48 C 3651 Postage 15c extra $1.47

$1.47

17 Inches Long

48 C 3652 Postage 15c extra 98¢

98¢

The New King of Musical Toys

A Wonderful Imported Toy Saxophone

The best reproduction of a real saxophone ever offered as a toy

48 C 3688 Postage 15c extra $1.79

$1.79

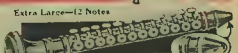
SPECIAL ASSORTMENT

59¢

Toy Mandolin

48 C 3656 Postage 5c extra

Extra Large—12 Notes



$1.00

19-Inch Clarinet

48 C 3612 Postage 10c extra $1.00

79¢

10-Key Clarinet

48 C 3610 Postage 10c extra 79¢

79¢

Made in France

48 C 3649 Postage 10c extra

$1.10

Slide Trombone

48 C 3624 Postage 10c extra 98¢

98¢

Fine Toy Pianos

We have selected these Pianos here because we believe that for size and real worth they are the best values to be had at

Real Mahogany Piano 20-Key

48 C 3702 Postage 20c extra $7.98

$7.98

Schoenmut's Piano 18-Key

48 C 3700 Postage 20c extra $4.98

$4.98

48 C 3602 Postage 10c extra $1.98

$1.98

48 C 3606 Postage 10c extra 98¢

98¢

48 C 3605 Postage 10c extra 49¢

49¢

Real Mahogany 5-Key Piano

48 C 3697 Postage 15c extra 79¢

79¢

17-Key Piano

48 C 3690 Postage 20c extra $1.79

$1.79

Small Piano Stool

48 C 3709 Postage 10c extra 39¢

39¢

48 C 3695 Postage 10c extra 98¢

98¢

Xylophone

Drums

Calfskin Head

48 C 3670 Postage 15c extra $1.93

$1.98

Sheepskin Head

48 C 3678 Postage 15c extra $1.47

$1.42

Metal Head Drum

48 C 3677 Postage 5c extra

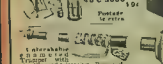
48¢

Canary Whistle

48 C 3600 Postage 5c extra

19¢

Lutherphone



48 C 3681 Postage 5c extra

27¢

Bright 14½-In. Trumpet

48 C 3698 Postage 15c extra

59¢

Has 9 Keys—18 Notes

Hohner Accordion

48 C 3662 Postage 5c extra

33¢

Horn

Hunters' Horn

48 C 3682 Postage 5c extra

33¢

It Is Easy to Order from Ward's. See Page 329

Gifts for Christmas

Order Early

Lifelike French Bull 98¢

Real Sheepskin 98¢

Growing Grizzly 98¢

Imported Finest Quality Growling Bears

"Sheggy Mane" Never Balks Toy Horse White Harness 87¢

Real Fur French Leaping Rabbit 59¢

"Meow" "Meow" 69¢

Kitty Has Real Fur

Imported Bears Very Low Priced

Three Sizes

For Your Little Boy Blue 98¢

Skye Terrier 27¢

He Leapses You Pull Him 43¢

Peter Rabbit

Baby's All Steel Wagon 29¢

Big Value

Usually $5.98 Sells for $10 Made in Europe

The Three Bears Papa, Mama and Baby

25¢ Felix The Cartoon Cat

Famous Wheeler Duck Family 93¢

48¢

Rooster in Loop 59¢

Real Fur Monkey 10 Inches Long 22¢

Hurrying Hiram 23¢

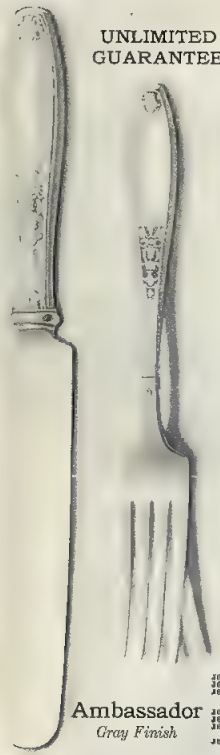
36-Inch Train to Pull Along the Floor

Wiggly Old Hound Dog 39¢

98¢

1847 ROGERS BROS.

UNLIMITED GUARANTEE



Ambassador
Gray Finish

SPOONS

		Doz
J8840	Tea Spoons	½ doz. in box $4.25
J8841	Dessert Spoons	" " 8.20
J8842	Table Spoons	" " 8.50

MEDIUM KNIVES and FORKS

		Doz
J8847	Knives, solid handle, 10 doz. in box	$5.80
J8843	Knives, hollow handles	" " 13.80
J8872	Knives, hollow handles, stainless blade	" " 15.00
J8848	Forks, flat handles	" " 8.50

KNIFE and FORK SETS—Each set in box

J8844	16 Hollow handle Dinner Knives 16 Flat handle Forks	1 SET (32 pcs) $11.15
J8845	6 Hollow handle Dessert Knives 6 Flat handle Forks	1 SET (12 pcs) $10.85
J8846	6 Steak Knives 6 Flat handle Forks	1 SET (12 pcs) $7.15

CARVING SETS—In velvet lined boxes

J8587—	1 Small size Carving Knife 1 Small size Fork	1 SET (2 pcs) $4.40

FANCY PIECES—Velvet lined boxes

		Doz
J8831	Iced Tea Spoons	½ doz. in box $7.00
J8843	Soup Spoons	" " 9.10
J8847	Salad Forks	" " 8.80
		Each
J8833	Butter Spoon	1 in box $1.85
J8681	Cold Meat Fork	" " 1.17
J8687	Sugar Shell	" " .79
J8686	Cream Ladle	" " 1.35
J8852	Berry Spoon	" " 1.80

SPECIAL GIFT CHESTS, 26 PIECES

Each in 13x10½ in. velvet lined display box.

6 Dinner Knives	1 Sugar Shell	6 Table Spoons
6 Tea Spoons	6 Flat handle Forks	1 Butter Knife

J8839—With solid handle Knives, SET (26 pcs) $15.20
J8880—With hollow handle Knives, SET (26 pcs) $19.20

SPECIAL SERVICE TRAY SET, 26 PIECES

Each with 16¾x13 in. handled velvet lined serving tray

6 Hollow handle Dinner Knives with stainless steel blades		
6 Flat handle Forks	1 Butter Knife	6 Table Spoons
6 Tea Spoons	1 Sugar Sh.	

J8900—1 set in box . . . . SET (26 pcs) $20.80

UNLIMITED GUARANTEE

Anniversary
Gray Finish

SPOONS

		Doz
J8400	Tea Spoons	½ doz. in box $4.25
J8401	Dessert Spoons	" " 8.20
J8402	Table Spoons	" " 8.50

MEDIUM KNIVES and FORKS

		Doz
J8403	Knives, solid handles, ½ doz. in box or roll	$5.80
J8406	Knives, hollow handles	" " 13.80
J8407	Knives, hollow handles, stainless blade	" " 15.00
J8404	Forks, flat handles	" " 8.50

KNIFE and FORK SETS—Each in box

J8412—	16 Hollow handle Dinner Knives 16 Flat handle Forks	1 SET (32 pcs) $11.15

FANCY PIECES—Velvet lined boxes Doz

J8412—	Iced Tea Spoons	½ doz. in box $7.00
J8403	Soup Spoons, round bowl	" " 9.10
J8408	Salad Forks	" " 8.80
		Each
J8410	Butter Knife	1 in box $0.89
J8411	Sugar Shell	" " .79
J8414	Cold Meat Fork	" " 1.17
J8413	Cream Ladle	" " 1.35
J8414	Berry Spoon	" " 1.80

GIFT CHESTS, 26 PCS.—*In velvet lined box*

6 Dinner Knives	1 Sugar Shell	6 Table Spoons
6 Tea Spoons	6 Flat handle Forks	1 Butter Knife

J8418—With solid handle Knives, SET (26 pcs) $15.20
J8419—With hollow handle Knives, SET (26 pcs) $19.20

TRAY SET, 26 PCS—*In handled velvet lined service tray.*

6 Dinner Knives, solid handle		
6 Flat handle Forks	1 Butter Knife	
6 Tea Spoons	1 Sugar Sh.	

J8428—1 set in box . . . . SET (26 pcs) $20.80

The Service Tray Set comes in this velvet lined tray, with burnished, carved effect frame.

UNLIMITED GUARANTEE

1847 ROGERS BROS.

Ancestral
Gray Finish

SPOONS

		Doz
J8600	Tea Spoons	½ doz. in box $4.25
J8601	Dessert Spoons	" " 8.20
J8602	Table Spoons	" " 8.50

MEDIUM KNIVES and FORKS

		Doz
J8605	Knives, solid bat. Hdl. ½ doz. in box or Roll	$5.80
J8606	Knives, hollow handles	" " 13.80
J8607	Knives, hollow handles, stainless blade	" " 15.00
J8604	Forks, flat handles	" " 8.50

KNIFE and FORK SETS—Each in box

J8618—	16 Hollow handle Dinner Knives 16 Flat handle Forks	1 SET (32 pcs) $11.15

FANCY PIECES—Velvet lined boxes Doz

J8612	Iced Tea Spoons	½ doz. in box $7.00
J8603	Soup Spoons, round bowl	" " 9.10
J8608	Butter Spreaders	" " 7.20
J8609	Salad Forks	" " 8.80
		Each
J8610	Butter Knife	1 in box $0.89
J8611	Sugar Shell	" " .79
J8615	Cold Meat Fork	" " 1.17
J8614	Berry Spoon	" " 1.80
J8681	Gravy Ladle	" " 1.35
J8616	Tomato Server	" " 1.80
J8617	Pie Server, all silver	" " 2.07

SPECIAL GIFT CHESTS, 26 PIECES

Each in 13¾x10¾ in. velvet lined display box

6 Dinner Knives	1 Sugar Shell	6 Table Spoons
6 Tea Spoons	6 Flat handle Forks	1 Butter Knife

J8619—With solid handle Knives, SET (26 pcs) $15.20
J8620—With hollow handle Knives, SET (26 pcs) $19.20

SPECIAL SERVICE TRAY SET, 26 PIECES

Each with 16¾x13 in. handled velvet lined service tray

6 Hollow handle Dinner Knives with stainless steel blades		
6 Flat handle Forks	6 Table Spoons	1 Butter Knife
6 Tea Spoons	1 Sugar Shell	

J8624—1 set in box . . . . SET (26 pcs) $20.80

Wm·Rogers & Son Silver Plate

You can sell these two patterns knowing that they will outlive their guarantee and give complete satisfaction. The designs are the last word in silver plate. They will appeal to customers who wish artistic designs.

25 YEAR GUARANTEE

LINCOLN

A dignified design depending on plain, simple lines for its beauty. "AA" silver plate on heavy solid nickle blanks. Bright finish, bevel edge design.

SPOONS—1 doz. in box

J6800	Tea Spoons	Doz $1.90
J6801	Dessert Spoons	" 3.60
J6802	Table Spoons	" 3.80

MEDIUM KNIVES— ½ doz. in box

J6805	—Solid handle	Doz $4.60

MEDIUM FORKS— ½ doz. in box

J6807	—Flat handles	Doz $3.80
J6806	Solid handles	" 4.60

SPECIAL GIFT CHESTS, 26 PIECES

6 Solid handle medium Knives
6 Tea Spoons
1 Sugar Shell
J6826—In blue sateen lined box . . . SET (26 pcs) $8.40
J6827 In leatherette covered hinged case, blue sateen lined . . . SET (26 pcs) $8.90
6 Flat handle Forks
6 Table Spoons
1 Butter Knife

25 YEAR GUARANTEE

MAYFAIR

A beautiful pattern in the desirable gray finish "AA" silver plate on heavy solid nickle blanks.

SPOONS—1 doz. in box

J6320	Tea Spoons	Doz $1.90
J6321	Dessert Spoons	" 3.60
J6322	Table Spoons	" 3.80
J6323	Soup Spoons	½ doz. in box $4.10

MEDIUM KNIVES and FORKS

J6326	—Knives, solid handles	½ doz. in box Doz $4.60
J6324	—Forks flat handles	½ doz. in box Doz $3.80
J6325	—Forks, solid handles	½ doz. in box Doz $4.60

KNIFE and FORK SET—

J6327	Medium handle Dinner knife & Dessert Fork	SET (2 pcs) $4.55

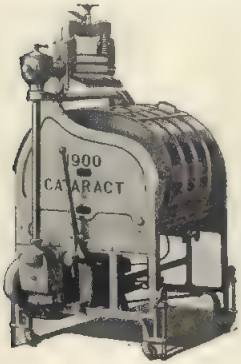
FANCY PIECES—

J6314	Salad Forks	Doz $5.00
J6316	Butter Spreaders	½ doz. in box 4.46
J6327	Sugar Shell	Each $0.37
J6328	Butter Knife	.38
J6329	Cold Meat Fork	.86
J6311	Cake Lifter	" .80
J6344	Berry Spoon	" 1.06

SPECIAL GIFT CHESTS, 26 PIECES

6 Solid handle medium Knives
6 Tea Spoons
1 Sugar Shell
J6334—In blue sateen lined box . . . SET (26 pcs) $8.40
J6335 In leatherette covered hinged case, blue sateen lined . . . SET (26 pcs) $8.90
6 Flat handle Forks
6 Table Spoons
1 Butter Knife

WASHING MACHINES



1900 CATARACT—FIGURE 8

Operates on the most approved principle for washing clothes, constant, swift, passage of hot soapy water through the texture of the cloth. This method quickly loosens and removes all of the dirt without any harsh pulling or rubbing of the clothes. All kinds of fabrics, even the most delicate, may be safely washed. As the tub rocks back and forth the water is dashed back and forth in a "Figure 8" movement. It washes through the clothes first from the bottom and then from the top and carries away all of the soil and stain.

The peculiar forceful action of the water in the tub is the result of a double action movement whereby the tub is rocked up and down and at the same time swung back and forth. The force and swiftness of the water cleanse the clothes very rapidly without undue wear.

Tub is made of heavy solid copper, tin-planished on the inside and lacquered on the outside; frame is of heavy steel, thoroughly braced and rigid. Motor driven, swinging, reversible wringer has a safety lever for instant release. Tub is equipped with a drain cock for drawing off the water and if desired, a gas burner for heating the water may be attached; adjustable rods on each leg, provide for firm and rigid standing on uneven floors.

A quiet motor drives both the tub and the wringer, both at the same time if desired; the control is simple and convenient and all gears are protected; the operating belt is held at constant tension by a strong wire spring.

Each

Model D—Capacity, 12 Lbs. of Clothes Equal to 8 Full Size Sheets; Floor Space Needed, 28½x32 Inches, Height to Top of Wringer, 53 Inches; Net Weight Each, 275 Lbs. **$155.00**

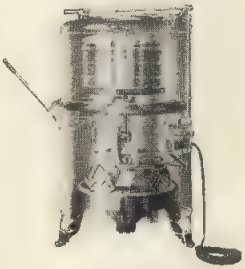
JUNIOR MODEL F

A smaller but fully efficient washer built on the same principle as the Model D. For the small family or for the apartment where space is limited. The wringer will clear a 36 inch set tub.

Each

Model F—Capacity, 6 Sheets or 9 Lbs. of Clothes; Floor Space Needed, 25¾x26½ Inches; Weight Each, 220 Lbs. **$130.00**

CLOTHES DRIERS



BOCK CENTRIFUGAL

Operated by electricity, requires no oiling or adjustment; will dry entire tubful of clothes in six minutes.

Each

Bock Drier—Height, 36 Inches, Floor Space Needed, 24x24 Inches, Weight Each, 310 Lbs. **$150.00**

IRONERS

1900

Gray enameled cast iron framework, adjustable metal airing rack, no exposed gears or bearings; ironing shoe automatically adjusts itself to various thickness of cloth; special mechanical construction transmits even pressure to each end of shoe and roll, gas burner has patent thermostatic control keeping temperature of shoe at proper degree of heat; burner easily removed for cleaning; gears are automatically oiled; entire operation of ironer is controlled by the foot treadle.

Each

No. 1G—Capacity, 10½ Ft. Ironing Speed per Minute; Height, 38 Inches; Width, 27 Inches; Weight Each, 440 Lbs. Complete with Thermostatic Control **$160.00**
No. 1W—Without Thermostatic Control **$150.00**
No. 1E—Electrically Heated **$200.00**

SPARK PLUGS

All ½ inch plugs shown on this page are standard thread; all ⅞ inch, 18 thread A. L. A. M.

A. C. TWO PIECE, FORD SPECIAL
Carbon Proof.

Spring terminal clip permit wire to be instantly detached and reconnected while motor is running. Facilitates testing spark plug and coil. No nut to be unscrewed or lost. By merely unscrewing the bushing, plug may be taken apart. Only one gasket is used. Patented carbon proof porcelain. Saw tooth edges attain sufficient heat to burn oil deposits thus offering effective resistance to carbon.

No.	A-1075
Less than 10, Each	1 47
10 to 99, Each	1 32
100 to 499, Each	1 26
500 or more, Each	1 17
List Price, Each	$0 75

One in cardboard box, ten in carton, wt each 3 ozs.

EXTRA PORCELAINS FOR NO. A-1075 PLUGS

No.	A-FSP
1 to 99, Each	66
100 or more, Each	63
List Price, Each	$0 85

One in cardboard box, twenty five in carton.

EXTRA GASKETS FOR NO. A-1075 PLUGS

Patented copper gaskets.	Per 100
No. A-100U—Upper	$4 20
No. A-101L—Lower	4 20

Packed loose.

SPARK PLUG QUICK SELLERS

Made of sheet steel, lithographed in colors. Chart furnished that gives complete information as to the proper plug for every type of motor. Capacity 50 spark plugs; height 11 inches; diameter 10¾ inches.

No. A-1075QS Free with an order for 50 or more spark plugs. If a customer has 40 plugs in stock, it is only necessary to buy 10 plugs to get case. ‡Free

SPARK PLUGS

A. C. TWO PIECE, REGULAR
Carbon Proof.

Regular equipment on the following tractors: Boring, Dart, Lanson, Linn Road, Stockton, Turner-Simplicity, Ursus also Hewitt Ludlow and Low Bed Trucks.

No.	A-78ACTP
Size, ins	⅝
Less than 10, Each	$2 25
10 to 99, Each	1 98
100 to 499, Each	1 92
500 or more, Each	1 86

One in cardboard box, ten in carton; wt each 4 ozs.

SPARK PLUGS

All ½ inch plugs shown on this page are standard thread; all ⅞ inch, 18 thread A. L. A. M.

A. C. TWO PIECE, LONG
Carbon Proof.

For motors requiring a plug with an extension

No.	A-78LACTP
Size, ins	⅝
Less than 10, Each	$2 25
10 to 99, Each	1 98
100 to 499, Each	1 92
500 or more, Each	1 86

One in cardboard box; ten in carton; wt each 4 ozs.

A. C. TWO PIECE, REGULAR
Carbon Proof.

Regular equipment on the following tractors: LaCross, Hart Parr, Minneapolis, Pioneer, Townsend also Mudge and Woolery gasoline railway cars.

No.	A-12ACTP
Size, ins	½
Less than 10, Each	$2 25
10 to 99, Each	1 98
100 to 499, Each	1 92
500 or more, Each	1 86

One in cardboard box, ten in carton, wt each 4 ozs

A. C. TWO PIECE, LONG
Carbon Proof.

For motors requiring a plug with an extension.

No.	A-12LACTP
Size, ins	½
Less than 10, Each	$2 25
10 to 99, Each	1 98
100 to 499, Each	1 92
500 or more, Each	1 86

One in cardboard box; ten in carton; wt each 3 ozs.

A. C. TITAN, REGULAR

Regular equipment on 170 makes of cars, trucks, tractors, lighting plants and engines. See Chart.

No.	A-78RT
Size, ins	⅞
Less than 10, Each	$1 95
10 to 99, Each	1 74
100 to 499, Each	1 68
500 or more, Each	1 56

Carbon Proof.

No.	A-78RCP
Size, ins	⅞
Less than 10, Each	$1 95
10 to 99, Each	1 74
100 to 499, Each	1 68
500 or more, Each	1 56

One in cardboard box; ten in carton; wt each 3 ozs.

SPARK PLUGS

All ½ inch plugs shown on this page are standard thread; all ⅜ inch 18 thread A. L. A. M.

A. C. TITAN, DODGE SPECIAL

Regular equipment on all Dodge cars.

No.	A-78DT
Size, ins	⅜
Less than 10, Each	$1 95
10 to 99, Each	1 74
100 to 499, Each	1 68
500 or more, Each	1 56

Carbon Proof.

No.	A-78DCP
Size, ins	⅜
Less than 10, Each	$1 95
10 to 99, Each	1 74
100 to 499, Each	1 68
500 or more, Each	1 56

One in cardboard box; ten in carton; wt each 3 ozs

A. C. TITAN, LONG

Regular equipment on Buick, Chevrolet, 1920 Kissel-Kar, Sherdain, Scripps-Booth, 4 Cylinder; also Howell, Sampson tractors Olds Trucks and Midwest engines.

No.	A-78LT
Size, ins	⅜
Less than 10, Each	$1 95
10 to 99, Each	1 74
100 to 499, Each	1 68
500 or more, Each	1 56

Carbon Proof.

No.	A-78LCP
Size, ins	⅜
Less than 10, Each	$1 95
10 to 99, Each	1 74
100 to 499, Each	1 68
500 or more, Each	1 56

ne in cardboard box; ten i n carton; wt each 4 ozs.

SPARK PLUG QUICK SELLERS

Made of sheet steel, lithographed in colors. Chart furnished that gives complete information as to the proper plug for every type of motor. Capacity 50 spark plugs; height 11⅜ inches; diameter 10¾ inches.

No. A-78LTQS—Free with an order for 50 or more A-78LT plugs. If a customer has 40 plugs in stock it is only necessary to buy 10 or more plugs to get case..... **‡Free**

SPARK PLUGS

A. C. TITAN, LONG BODY

Regular equipment on Chandler, Willys Knight (with special 6, K terminal), Stevens-Duryea, also white, Moreland, Titan and Robinson Fire Trucks.

No.	A-78LBT
Size, ins	⅜
Less than 10, Each	$1 95
10 to 99, Each	1 74
100 to 499, Each	1 68
500 or more, Each	1 56

Carbon Proof.

No.	A-78LBCP
Size, ins	⅜
Less than 10, Each	$1 95
10 to 99, Each	1 74
100 to 499, Each	1 68
500 or more, Each	1 56

One in cardboard box; ten in carton; wt each 4 ozs

SPARK PLUGS

All ½ inch plugs shown on this page are standard thread; all ⅜ inch 18 thread A. L. A. M.

A. C. TITAN, S. A. E. LONG

Regular equipment on Monroe, Oakland, Oldsmobile 6, Premier, Scripps-Booth 6 and Nash to 1920.

No.	A-SAELT
Less than 10, Each	$1 95
10 to 99, Each	1 74
100 to 499, Each	1 68
500 or more, Each	1 56

Carbon Proof.

No.	A-SAELCP
Less than 10, Each	$1 95
10 to 99, Each	1 74
100 to 499, Each	1 68
500 or more, Each	1 56

A. C. TITAN, S. A. E. EXTRA LONG

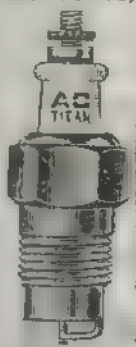
Carbon Proof.

Regular equipment on all Nash cars since 1920, McFarlan cars and Maxim Fire Trucks.

No.	A-SAENT
Less than 10, Each	$1 95
10 to 99, Each	1 74
100 to 499, Each	1 68
500 or more, Each	1 56

A. C. TITAN, REGULAR FOR FORD CARS

Carbon Proof.



For Ford cars; regular equipment on Overland Four, Studebaker to 1920 and all motors using ⅜ inch regular plug.

No.	A-12CPT
Size, ins	⅜
Less than 10, Each	$1 95
10 to 99, Each	1 74
100 to 499, Each	1 68
500 or more, Each	1 56

A. C. TITAN, LONG

Regular equipment on Reo cars and trucks; recommended for all motors requiring an extension ½ inch plug.

No.	A-12LT
Size, ins	½
Less than 10, Each	$1 95
10 to 99, Each	1 74
100 to 499, Each	1 68
500 or more, Each	1 56

Carbon Proof.

No.	A-12LCP
Size, ins	½
Less than 10, Each	$1 95
10 to 99, Each	1 74
100 to 499, Each	1 68
500 or more, Each	1 56

A. C. TITAN, REGULAR METRIC

Carbon Proof.

Regular equipment on Essex, Hudson 1921 and Willis Sainte Claire.

No.	A-18MCP
Old No.	A-18MTCP
Less than 10, Each	$1 95
10 to 99, Each	1 74
100 to 499, Each	1 68
500 or more, Each	1 56

All above plugs one in cardboard box; ten in carton; wt each 3½ ozs.

SPARK PLUGS

All ½ inch plugs shown on this page are standard thread; all ⅞ inch, 18 thread A. L. A. M.

A. C. TITAN, S. A. E. REGULAR

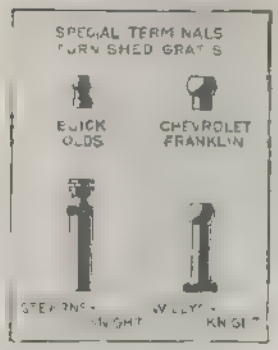
Regular equipment on Apperson, Commonwealth, Daniels, Marmon, Mitchell, Saxon, Stearns-Knight and Delco Light plants.

No.	A-SAET
Less than 10, Each	$1 95
10 to 99, Each	1 74
100 to 499, Each	1 68
500 or more, Each	1 56

Carbon Proof.

No.	A-SAECP
Less than 10, Each	$1 95
10 to 99, Each	1 74
100 to 499, Each	1 68
500 or more, Each	1 56

One in cardboard box; ten in carton; wt each 8 ozs.



SPECIAL TERMINALS

No. A-BT Buick.
No. A-CT Chevrolet.
No. A-SKT—Stearns-Knight.
No. A-WKT—Willys-Knight.
No. A-RT -Regular.

Note—Order as many Terminals as plugs and they will be billed no charge.

SPARK PLUG QUICK SELLERS

A. C.

(Showing exterior view)

(Showing interior view)

Made of sheet steel, lithographed in colors. If dealer has some A. C. plugs in stock it will only be necessary to order additional quantity to bring his stock up to 50 or 120 plugs to get one of these cabinets free. In ordering give inventory of plugs dealer has in stock.

No. A-7—Free with necessary plugs to bring quantity up to 120 plugs.
No. A-8—Junior; free with necessary plugs to bring quantity up to 50 plugs.

Shipped from stock. One in carton; wt each 25 lbs.

SPARK PLUGS

SPLITDORF, With Green Jackets.

All ½ inch plugs shown on this page are standard thread; all ⅞ inch 18 thread A. L. A. M.

SPLITDORF, Standard.

For Apperson 6, and 1921 Briscoe, Cadillac, Chalmers, Cole, Davis, Grant, Hudson with prefix numbers, Hupmobile, Jeffery, Jordan, King, Kissel Kar, Locomobile, Marmon, Maxwell, Mitchell, Nash, Oakland 8, Paige, Peerless, Pierce-Arrow, Saxon, Scripps-Booth 1916, Model B. and G. 1919-20-21, Stutz and Westcott cars.

No.	A-P163
Size, ins	½
Less than 100, Each	$1 74
100 or more, Each	1 68

One in cardboard box; ten in carton; wt each 4 ozs.

SPLITDORF, 18 Long Body.

For Chandler, Cleveland, Crane-Simplex, Dodge, Jackson and National cars.

No.	A-P785
Size, ins	⅞
Less than 100, Each	$1 74
100 or more, Each	1 68

One in cardboard box; ten in carton, wt each 6 ozs.

SPLITDORF, Standard.

For Ford, Fordson Tractors, Cadillac prior to 1913, Overland models 79, 80, 81 and 83, Oakland prior to 1913, Regal and Studebaker cars; also engines using ½ inch standard plug.

No.	A-P179
Size, ins	½
Less than 100, Each	$1 35
100 or more, Each	1 29

One in cardboard box, ten in carton; wt each 4 ozs.

SPLITDORF, Long.

With Buick Terminal.

For Buick prior to 1918, Chalmers 32 and Scripps-Booth 1915.

No.	A-P174
Size, ins	⅞
Less than 100, Each	$1 74
100 or more, Each	1 68

One in cardboard box; ten in carton; wt each 4 ozs.

SPLITDORF, Long Heavy.

For Buick, Chalmers 32, Enger and McLaughlin.

No.	A-P784
Old No.	A-P201
Size, ins	⅞
Less than 100, Each	$1 74
100 or more, Each	1 68

One in cardboard box; ten in carton; wt each 4 ozs.

B 19

SPARK PLUGS

SPLITDORF, With Green Jackets.

All ½ inch plugs shown on this page are standard thread; all ⅝ inch 18 thread A. L. A. M.

SPLITDORF, Auto Metric, Short.

For Packard cars prior to 1915, Packard trucks prior to 1916, Pierce-Arrow prior to 1916; also for White trucks model 15-20, Scripps-Booth 1917 model D. and H.

No.	A-P148
Less than 100, Each	$1 74
100 or more, Each	1 68

One in cardboard box; ten in carton; wt each ¼ ozs.

SPLITDORF

½ inch standard thread; long body. For Reo and Metz 4 cylinder cars.

No.	A-P141
Less than 100, Each	$1 74
100 or more, Each	1 68

One in cardboard box, ten in carton; wt each 6 ozs.

SPLITDORF, Long. With Franklin Terminal.

For Franklin cars; also for any engine requiring a ⅛ inch—18 plug with long shell

No.	A-P182
Size, inch	⅞
Less than 100, Each	$1 74
100 or more, Each	1 68

One in cardboard box; ten in carton; wt each ¼ ozs.

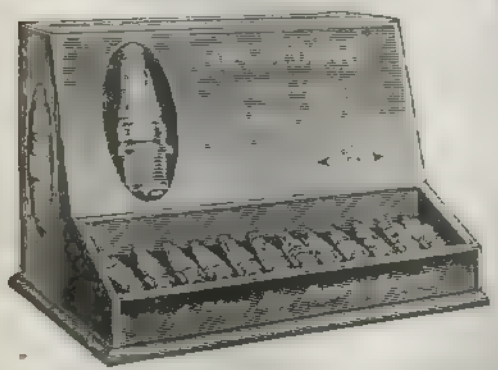
SPLITDORF, ¾ Inch Tractor Type.

No.	Each
A-P10178—Especially adapted for tractors requiring a ¾ in. plug	$3 60

One in cardboard box; ten in carton; wt each 9 ozs.

SPARK PLUG MERCHANDISER

SPLITDORF



An attractive counter display made of pressed steel; lithographed in colors. Compartment in back for 120 plugs. A chart on the back of cabinet lists the type and size of plug for every make of gasoline engine. Free with any size order, when merchandiser is specified.

No. A-SDC—Shipped from factory only Newark, N. J.... ‡Free

One in crate; wt each 30 lbs.

SPARK PLUG MERCHANDISER

SPLITDORF LIGHTHOUSE

An exact reproduction of the Splitdor Green Jacket spark plug, fitted with an automatic flashing device. It is constructed of the best materials; lithographed in attractive durable colors; outfit consists of a base complete with flashing device, one 25 watt mazda lamp and 12 feet of flexible cord with standard base attachment plug. Height 18 inches.

Free with order of 100 of one number or assorted of Splitdorf spark plugs.

No. A-SLH—Shipped from factory only Newark, N. J..... ‡Free

One in crate; wt each 12 lbs.

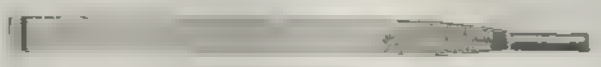
SPARK PLUG AND MAGNETO FILES

Best grade steel, finely milled; adapted for filing and cleaning platinum points. The chisel point permits opening contact points without disturbing adjustments.

	Per Doz	Per Gro
No. A-18PF—Length of cut 4½ ins; width ¾ in; thickness ⅛ in; shank ⅛ in. in diameter; length over all 6¾ ins	$2 40	26 25

One doz in cardboard box; wt per doz ½ lb.

NICHOLSON



For Tungsten Points.

Best grade steel, extra hard; for filing Tungsten points and other similar hard-to-cut metals. Tungsten point files are in correct thickness to gauge the proper width between spark plug terminals. Length cut 3 inches; width ¼ inch; thickness [illegible] inch; ⅛ inch shank; length over all 5½ inches.

No.	A-2NTF
Per Doz	$2 40
Per Gro	27 00

One doz in cardboard box; wt per doz ¼ lb.

Repair men and garage men are inclined to underestimate the value and opportunities of the front of the building.

Most repair men say that the shop is where they make their money and that they have no time to fool with decorating the front end, and that there is more grief than profit in selling tires and tubes, which, they think, make up the bulk of accessories to be sold. They are all wrong. Repair men and garage men should sell tires, tubes and accessories.

SPARK PLUG CHART

Name	Champion Nos.	A. C. Nos.	Splitdorf Nos.
PASSENGER			
Abe	A 1	A 78RT	A P163
Anderson	A-4	A-78SLT	A-P165
Auburn	A 1	A 78RT	A P163
Austin		A 78SLT	A P165
Brisco		A-78RT	A P163
Buick to 8-1-23	A-5	A 78LT	A-P201
Buick from 8-1-23	A 6		
Cadillac	A-4	A 78RT	A P163
Case	A-4	A 78RT	A P163
Chalmers	A 4	A-78RT	A P163
Chevrolet 1918-22	A 3	A 78LT	A-P165
Chandler 1923	A 3	A 78RT	A P163
Chevrolet	A 5	A 78LT	A-P165
Cleveland	A-4	A 78RT	A P163
Commonwealth	A 1	A SALT	A P163
Crow-Elkhart	A-1	A-78RF	A P163
Dixie Flyer	A 1	A 78RT	A P163
Dodge	A-3	A 78LT	A P165
Dort	A 7	A 78RT	A P163
Dort, New 6 Cyl	A-	A SALT	A P163
Durant 4	A 6	A SALT	A-P163
Durant 6	A-	A SALT	A P163
Far		A 78RT	
Elcar	A-	A 78RT	A-P163
Elgin	A 6		A P163
Essex	A-9	A-18MTCP	A P148
Fiat 6		A 78LT	A-P163
Ford		A 5	A P8
Ford	A A-5	A 14 PT	A 8
Franklin	A-A53	A-SALT	A-P165
Grant	A	A-78RT	A P163
Gray	A-6	A-78RT	A-P163
Haynes 75	A-1	A-78LT	A-P163
Haynes, 1921 and earlier	A-1	A-SALT	A-P163
Hassen to 1921	A 4	A 78RT	A P163
Hassen F. 1921	A-9	A-18MTCP	A-P148
Hupmobile	A 1	A 78RT	A P163
Jackson	A 4	A 78RT	A P785
Jewett	A-3	A 78LT	A-P163
Jordan	A-4	A-78RT	A P163
King	A 4	A 78RF	A-P163
Kissel	A-4	A-78LT	A P165
Lexington	A 1	A SALT	A-P163
Liberty	A 3	A 78LT	A-P163
Lincoln	A-4	A 78RT	A P163
Locomobile	A-	A SALT	A-P163
Marmon	A 5	A SALT	A P163
Maxwell	A-4	A 78RT	A P163
Metz to 1921	A-A34		A P163
Metz F. 1921	A 1		A P163
Mitchell	A 5	A SALT	A-P163
Monroe	A 6	A SALT	A P163
Moon	A-4	A 78RT	A P163
Nash	A- 6	A SALT	A-P163
Nash 1918-19		A-SALT	A-P163
Nash F 1919		A SALT	A P163
Nash 4 Cyl.		A SALT	A-P163
Nat. to 1923	A 4	A 78RT	A P785
Nicholl	A 6	A 78RT	A P165
Oakland	A-6	A SALT	A-P165
Oldsmobile 4	A-6	A SALT	A P165
Oldsmobile 6	A 6	A-SALT	A-P163
Oldsmobile 8	A-4	A 78RT	A P785
Overland 90	A-A14		A-P163
Overland 6	A-1		A P163
Overland 4	A 7	A 12RT	A-P163
Overland Champion	A-7		A P 79
Owen Magnetic	A 4	A 78RT	A P163
Packard	A 4	A 78RT	A P163
Page	A 3		A-P163
Paterson	A 4	A-78LT	A P163
Pierce-Arrow	A-4	A 78RT	A P163
Pilot	A-4	A-78RT	A-P163

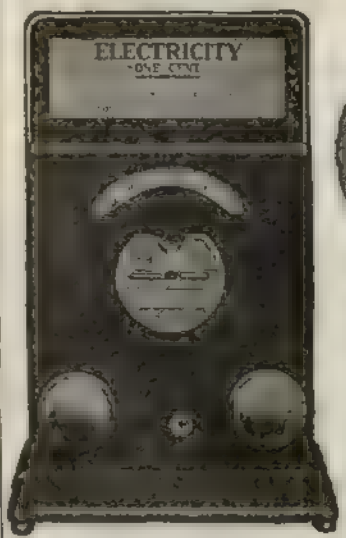
Name	Champion Nos.	A. C. Nos.	Splitdorf Nos.
PASSENGER			
Premier	A-3	A-SAFLT	A P165
Reo	A-7	A-SLF	A-P163
Saxon 1921	A-1	A-SALT	A-P165
Saxon F 1921	A 1	A SALT	A-P165
Scripps-Booth 4	A-5	A-78LT	A P165
Scripps-Booth 6	A 4	A SAPT	A-P165
Scripps-Booth 8	A-8	A-18MMT	A P148
Star	A 3	A 78RT	A-P163
Stearns-Knight	A-3	A-SAF	A P163
Stud'b'kr Big 6	A-	A-18 PF	A P163
Stud'b'kr Light 6	A-	A SA	A-P165
Stutz	A	A SA F	A P163
Velie 34, 58 & 68	A-6	A 78RT	A-P785
Velie 48	A 4	A-78RF	A P163
Willys-Knight	A 3	A 78LRT	A-P785
Winton to 20	A 3	A-78ALF	A-P165
Winton F. 20	A 4	A 78RT	A-P163
COMMERCIAL			
Acme	A-4	A-78RT	A P163
Acme	A 4	A 78RT	A-P163
Alter	A 3		
American	A-1	A 78RT	A P163
Armleder	A 4	A-78RT	A-P163
Atlas	A 1		A-P163
Autocar	A 1	A 78RT	A P163
Available		A-78RT	A P163
Avery	A	A 78RT	A P163
Bethleham 2T	A	A 78LT	A-P163
Bethleham 5T	A 4	A 78RT	A P163
Brockway	A-	A 78RT	A-P163
Buffid	A-4	A-78RT	
Chase			A-P163
Chevrolet		A-78LF	A P165
Chicago	A 4	A-78LF	A-P163
Clydesdale	A-4	A 78RT	A-P163
Collier		A-78LT	A-P163
Columbia	A-4	A SALT	A-P163
Commerce	A-1	A-78RT	A-P163
Concord	A 4	A-78RT	A P785
Crawford		A-78RT	A P163
Cyclone	A 6	A 78RT	
Dart	A 3	A 78LT	A P165
Daverder	A 1	A-78LT	A-P163
Dearborn	A 4	A 78LT	A P163
Delaware	A 4	A-78LF	A P163
Derby	A 1	A 78RT	A-P163
Dependable	A 4	A-78RT	A-P163
Diamond T	A 1	A 78RT	A P163
Dodge	A 3	A 78LT	A-P785
Douglas		A 78RT	A-P163
Duplex	A-4	A 78RT	A-P163
Dutz		A-SALF	
Famous	A-1	A-78LT	A P163
Fargo		A 78LT	A P165
Federal	A 4	A 78LT	A P163
Ford	A A25	A SLF PT	A-P8
G. M. C	A-4	A 78LT	A-P163
Graham	A 4	A 78LT	A P163
Grant	A-1	A-78RT	A-P163
Hall	A 4	A 78RT	A P163
Hewitt-Ludlow		A 78LT	A-P163
Hupp		A 78RT	P8
Independent	A 1	A-78LT	A-P163
Indiana	A 1	A 78LT	A P163
Jackson	A-4	A-78RT	A-P163
Kelly-Springfield	A-1	A 78RT	A P163
Keystone	A 1	A-78RT	A-P785
Kissel	A-4	A-78RT	A P163
Larson	A 1	A 78LT	A-P163
Lane	A 1	A-78RT	A-P163
Lippard Stewart	A-1	A 78RT	A P163
Little Giant	A 3	A-78LT	A-P163
Maccar	A 4	A 78RT	A P163
Mack	A-4	A-78LBT	A-P163

SPARK PLUG CHART

Name	Champion Nos.	A. C. Nos.	Splitdorf Nos.
COMMERCIAL			
Master	A-4	A-7SRT	A-P163
Maxim	A-6	A SAEXT	A-P163
Maxwell	A-4	A-7SRT	A-P163
Midland		A-7SRT	A-P163
Miller	A-1		
Moline	A-1		A-P163
Moreland	A-4	A-7SRT	A-P163
Muskegon	A-1	A-7SLBT	A-P179
Napoleon	A-4	A-SAEXT	A-P163
Nash	A-4	A-7SRT	A-P163
New York			
Niles	A-4	A-7SRT	A-P163
Noble	A-4	A-7SRT	A-P163
Northway	A-4		A-P163
O. K.		A-7SRT	A-P163
Old Hickory	A-4	A-7SRT	A-P165
Old Reliable		A-7SRT	A-P165
Oldsmobile	A-6	A-SAELT	A-P165
Oneida	A-6	A-7SRT	A-P163
Orleans	A-4		
Oshkosh		A-7SRT	A-P163
Overland			A-P179
Packard	A-4	A-7SRT	A-P163
Paige	A-4	A-7SRT	A-P163
Peerless	A-4	A-7SRT	A-P163
Piedmont	A-1	A-7SRT	A-P165
Pierce-Arrow	A-4	A-7SRT	A-P165
Pioneer	A-4	A-7SRT	A-P165
Power		A-7SDT	A-P165
Rainier	A-4	A-7SRT	A-P165
Ranger	A-4	A-7SRT	
Reliance	A-4	A-7SRT	A-P163
Reo	A-7	A-12LT	A-P179
Republic	A-4	A SAE T	A-P163
Reynolds		A-7SRT	A-P163
Riddle	A-1	A-7SRT	
Riker		A-SAE T	A-P163
Rowe		A SAE T	A-P163
Sandow	A-4	A-7SRT	A-P163
Selden	A-4	A-7SRT	A-P163
Service	A-1	A-7SRT	A-P163
Signal	A-4	A-7SRT	A-P163
Standard	A-4	A-7SRT	A-P163
Sterling	A-4	A-7SRT	A-P163
Stewart	A-3	A-7SRT	A-P163
St'd'baker to 20	A-7	A-SAET	A-P179
St'd'k'r from 20	A-1	A SAET	A-P179
Superior	A-4	A-7SLBT	A-P165
Taylor		A-7SRT	A-P163
Traffic	A-1	A-7SRT	A-P163
Transport	A-4	A-7SRT	A-P163
Triangle	A-4	A-7SRT	A-P163
Triumph	A-4	A-7SRT	A-P163
Trojan			A-P163
Ultimate	A-5		A-P163
Union	A-4	A-7SRT	A-P163
United	A-4	A-7SRT	A-P163
U. S.	A-4	A-7SRT	A-P163
Universal	A-4	A-7SRT	A-P163
Velie	A-4	A-7SRT	A-P163
Vim	A-4	A-7SRT	A-P165
Walker-Johnson	A-4		
Walter		A-7SRT	A-P148
Ward La France	A-4	A-7SRCP	A-P163
Watson		A-7SRT	A-P165
White ¾ Ton	A-A64	A-7SLBT	A-P148
Wichita	A-1	A-7SRT	A-P163
White Hickory		A-7SRT	A-P163
Wilcox	A-4	A-7SRT	A-P163
Wilson	A-1	A-7SRT	A-P163
Winther	A-4	A-7SRT	A-P163
Wolverine	A-4	A-7SLBT	A-P163

Name	Champion Nos.	A. C. Nos.	Splitdorf Nos.
TRACTORS			
Advance Rumley	A-3	A-7SRT	A-P179
Alligator	A-7	A-7SRT	
Allis-Chalmers	A-6	A-7SRT	A-P163
All Work	A-1	A-7SRT	A-P163
American	A-1	A-SAELT	
Appleton		A-7SRT	A-P163
Austin	A-7		
Autohorse			
Automotive			A-P163
Bates Steel Mule	A-6	A-SAELT	A-P165
Beeman Garden	A-7	A-12RT	A-P179
Beltrail		A-7SRT	A-P163
Bering		A-7SRT	A-P163
Buffalo		A-7SRT	A-P163
Bull	A-4	A-7SRT	
Case	A-3	A-7SRT	A-P165
Clark		A-7SRT	
Common Sense	A-1	A-7SRT	
Dart	A-3	A-7SRT	A-P163
Dependable	A-1	A-7SRT	
Eagle	A-7	A-12RT	
Egin	A-1	A-7SRT	
Farm Horse	A-4	A-7SRT	A-P179
Flour City	A-7	A-12LT	A-P179
Fordson	A-A25	A-10S5	A-P8
Fox		A-7SRT	
Franklin	A-1	A-7SRT	A-P163
Graham	A-4	A-7SRT	A-P163
Grain Belt	A-4	A-7SRT	A-P163
Gray	A-4	A-7SRT	A-P163
Hart Parr	A-7	A-12RT	A-P165
Holt	A-3-A8	A-7SLBT	A-P165
Illinois	A-4	A-7SRT	A-P163
Indiana	A-4	A-7SRT	A-P163
Knox	A-6	A SAENT	
Lauson	A-6	A-7SRT	A-P163
Linn		A-7SRT	A-P163
Little Giant	A-7	A-12LT	A-P165
Minneapolis	A-7	A-12RT	
Mohawk		A-7SRT	
Moline Universal	A-7	A-12RT	A-P179
Parrett to 21	A-7	A-7SRT	A-P163
Parrett from 21	A-3	A-7SRT	A-P165
Peoria	A-4	A-7SRT	A-P163
Piedmont	A-1	A-7SRT	
Pioneer	A-7	A-12RT	A-P179
Post		A-7SRT	A-P163
Ranger		A-7SRT	A-P163
Reed		A-7SRT	A-P165
Reliable		A-7SRT	
Russell	A-4	A-7SRT	A-P163
Samson	A-4	A-7SRT	A-P163
Sandusky	A-1	A-7SRT	A-P163
Shelby	A-5	A-7SLT	A-P163
Short Turn		A-7SRT	A-P163
Square Turn	A-6	A-7SRT	A-P163
Star		A-7SRT	
Titan		A-SAET	
Tipp-Stewart	A-3	A-7SRT	
Townsend		A-12RT	A-P179
Tracklayer	A-7	A-12RT	
Traylor	A-4	A-7SRT	A-P163
Triumph	A-4	A-7SRT	A-P163
Turner	A-3	A-7SRT	A-P163
Twin City	A-1	A-SAET	A-P163
Uncle Sam	A-4	A-7SRT	A-P163
Utility	A-1	A-SAET	
Velie Biltwell	A-4	A-7SRT	
Wallis	A-1	A-SAET	A-P163
Waterloo Boy	A-7	A-12LT	A-P179
Whitney	A-4	A-7SRT	A-P179
Wilson	A-2	A-SAET	

Electricity and Vending Machines



The New Acme Electric Machine. Uses only one dry battery. Made of pressed steel substantial attractive, and a splendid money earner. Has coin detector. Red finish. Dimensions, 7x6x13½ inches, including top frame which is 3½ inches high. Shipping weight, 16 lbs.

No. A7918. Each... 8.50

New Model Sanitary Peanut Vender, with coin detector. Holds 7 lbs. of peanuts and vends them for about 0.36 per lb. Shipping weight, 22½ lbs.

No. A7912. Each... 8.75

New Model D Ball Gum Vending Machine. Holds nearly 4 times of 100 balls each. Novel sanitary ecomonical, attractive. 12½ in high and 7¼ in in diameter at base. Made of metal and glass, finished in red. Has rubber feet, and our famous coin detector. Shipping weight, 9½ lbs.

No. A7910. Each . 7.00

Popular Match Vending Machine. Cabinet of mahogany finish and metal front. It is a strictly high grade match vending machine in every respect. Has a good coin detecting mechanism. Holds 48 boxes of matches. Height, 14½ in. Width, 10½ in. Depth, 7 in. Shipping weight 14 lbs.

No. A7924. Each... 7.00

Outside Wall Bracket for A7910 and A7912 machines. Each bracket equipped with lock and key.

No. A7916. Each... .60

Ad-Lee 1-2-3 Penny Ball Gum Machine

Ad-Lee 1-2-3 Ball Gum Vending Machine. This is something entirely new, the alternating delivery plan gives it an earning power for above the ordinary vending machine. Operates as follows: First penny delivers one ball of gum; second, two balls; third, one ball; fourth, two balls; fifth, three balls; in other words, nine balls of gum for every five pennies. Machine is made of cast iron, finished in bright red enamel, nickel plated trim. The heavy glass globe holds 1200 balls of gum, coin box in rear can be easily emptied without moving machine.

A big profit maker, because this vending machine empties very quickly and, therefore, the turnover is much greater.

No. A7925. Each..... 15.00

Vending Machine Supplies

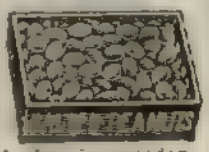
Stick Gum to use in Vending Machine. Spearmint flavor. Each stick wrapped five sticks in pkg. 20 pkgs. in box.

No. A8177.
Per box... .30

Safety Matches, best quality, regulation size, suitable for above machines. One gross in a pkg.

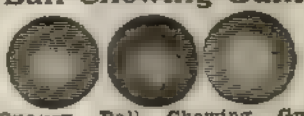
No. 15831.
Per gross. .95

Salted Peanuts, absolutely fresh, always popular. Our prices enable you to make excellent profits; guaranteed clean, fresh goods. 10 lbs. in wooden box.



No. A8150. Per box . 1.85

Ball Chewing Gum



Quality Ball Chewing Gum, candy coated, sizes are regular, every one is round, no trouble in vending machines. Made of good materials, delicious flavor, lasting and pleasant to the taste. Comes in assorted flavors and colors, 100 in box, 100 boxes in case.

No. A8195.
Per box... .25 | Per case, 24.00

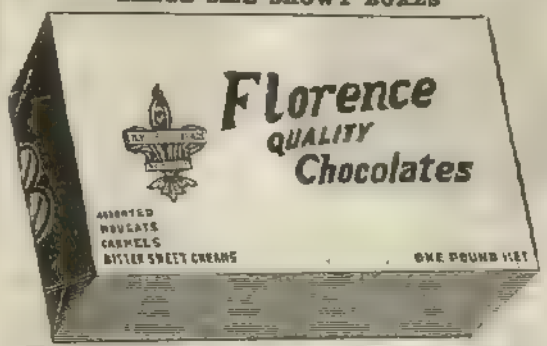
High Grade Chocolates in Fancy Boxes

Carnival Special

"Apple Blossom." A Selection of Fancy Chocolates for Particular People. Assorted hard and soft centers, thickly coated with rich, mellow chocolate. Beautifully wrapped in three colors printed and embossed glassine wrapper. 1 dozen in package

No. A8151. ½ lb. Size 8½x4½x1⅝ in. Per doz..... **2.40**
No. A8152. 1 lb. Size 10½x6½x1⅝ in. Per doz..... **4.25**

LARGE SIZE SHOWY BOXES

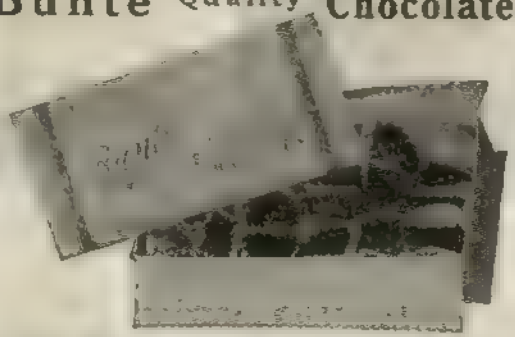


The ½-lb. box looks like a one-pound, and the one-pound box looks like a two-pound

The Popular Florence Assorted Chocolates, with rich cream centers, nougats, caramels and bitter-sweet creams all assorted in the box. Boxes are covered with pink embossed paper printed as illustrated and wrapped in glassine paper.

No. A8135. (½ pound size) Per dozen **2.65**
No. A8136. (1 pound size). Per dozen..... **4.70**

Bunte Quality Chocolates



Bunte Chocolates, known as "Special Blue" and "Special White." Large appealing package filled with an assortment of fine quality chocolates, with hard and soft centers. Assortment consists of Dipped Caramels, Nougats, Covered Walnut Creams, Maple Belmonts, etc.

No. 8157. ½ lb box, 6 in carton. Per dozen... **3.60**
No. 8158. 1 lb box, 6 in carton. Per dozen... **6.00**

Golden Brown Chocolates

In Brown Built Boxes

The chocolates are of a fine quality; hard dipped, thickly coated with rich, mellow chocolate, assorted flavor cream centers, each piece in paper cup, placed in partitioned box.

The boxes are the big flash, with very attractive raised and embossed figures in six colors.

No.	Size of box	No. of Pieces	Per Box
A7930	6⅛x4¾	15	.22
A7931	11 x8¾	28	.35
A7932	17 x12	40	.60
A7933	23⅝x9½	90	1.75

ADAIR and ADAIR

COMEDY TRIPLE HORIZONTAL BAR EXPERTS

ACKNOWLEDGED THE BEST AND FUNNIEST IN EXISTENCE

THE MERE MENTION OF THEIR NAME IMPLIES
RIB-TICKLING ANTICS AND ENDLESS HILARITY

THOMAS SAXO-TETTE

The Comedy Musical Sensation

A Brilliant and Colorful Programme of Syncopated Operatic and Popular Numbers

THE LAST WORD IN MUSICAL ACTS

EVERY ACT IN THIS CATALOG CONTROLLED EXCLUSIVELY BY **WORLD AMUSEMENT SERVICE ASSOCIATION, Inc.**
"SERVICE and SATISFACTION"

MID-AIR MARVELS—WHIRLING WIZARDS

ATENO'S

ORIGINAL GIGANTIC AERIAL DISPLAY

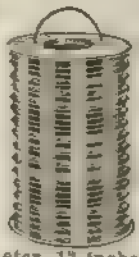
Revolving Human Meteors

THE UNUSUAL SPEED AND MARVELOUS SKILL OF THIS NOTED SENSATION GIVES IT SUPREME IMPORTANCE IN THE VALUATION OF OPEN AIR FEATURES

Imported Lanterns

for Lawn Fetes and Festivals. Our Line is Complete

ACCORDIAN STYLE BUCKET LANTERNS



Accordion Style Bucket Lanterns made with substantial paper sides and cardboard top and bottom. Metal candle holder in bottom. Wire handle with hook hanger. Sides accordion plaited and crimped to fold without creasing. Comes in red, white and blue stripes with stars 6½ inches in diameter, 12 inches long. One dozen in package

No. 24N78. Per gross..... 4.50
Per dozen ..... .40

ROUND FOLDING LANTERN

Round Folding Lantern. Can be folded and laid away. Metal candle holder striped with bright colors. One dozen in package

No. 24N77.
Per gross 4.75
Per dozen .42

JAPANESE GIFU LANTERN

Jap Lacquered Gifu Lantern. Diameter 8 inches, 9 inches long. Made of best quality Gifu Paper hand colored floral designs with Lacquered wood top and bottom and Bamboo stays. Packed two doz. in box.

No. 24N63. Per box of 2 doz. 1.60

Imported Japanese Lanterns

Imported Japanese Lanterns. Diameter 8 inches, 12 inches long. Extra strong quality semi-transparent tissue paper. Brilliant oriental colors and Japanese designs and figures. Black enameled wood top and bottom. Bamboo stays. Packed 2 dozen in box.

No. 24N55.

Per box of two dozen..... 1.20

Imported Japanese Lanterns. Diameter 10 inches, 13 inches long. Extra strong quality semi-transparent tissue paper. Brilliant oriental colors and Japanese designs and figures. Enameled wood top and bottom. Bamboo stays. Packed 2 dozen in box.

No. 24N56.

Per box of two dozen 2.50

Imported Japanese Lanterns. Diameter 12 inches, 15½ inches long. Extra strong quality semi-transparent tissue paper. Brilliant oriental colors and Japanese designs and figures. Black enameled wood top and bottom. Bamboo stays. Packed 2 dozen in box.

No. 24N57.

Per box of two dozen..... 3.75

ASSORTED FANCY SHAPED LANTERNS

Assorted Fancy Shapes

Average size about 10 inches diameter; 15 inches long. A big variety of fancy shaped lanterns 12 kinds—beautiful colors. Japanese design, silver paper trimming. Black lacquered wood top and bottom. Bamboo stays. Packed 2 dozen in box.

No. 24N58.

Per box of 2 dozen..... 2.75

BIG DISPLAY LANTERN

Big Display Lanterns

Diameter 16 inches, 24 inches long not including hanger. Handsome assorted beautiful colors. Flower designs. Pagoda wood hanger. Silk tassel at bottom. Packed half dozen in box. No less than ½ dozen sold.

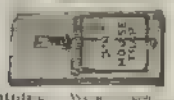
No. 24N59. Per dozen..... 9.00

LARGE DISPLAY LANTERN

Large Rice Paper Display Lantern. Diameter 24 inches, 48 inches long, not including hanger. Floral designs, assorted colors and shapes. Pagoda wood hanger. Each in box.

No. 24N60. Per piece..... 2.75

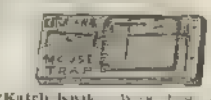
TRAPS



Lightning Mouse Trap—Made extra heavy compressed coil spring rod to fatal trigger hook for bait.

W1250—Mouse, 3 x 1 in. 3 doz in pkg ..... Doz 20c
Gro $2.25

W1251—Rat, 7x3½, 10 lbs. 1 doz ..... Doz 84c



Catch 'em Alive Mouse Trap—Made extra heavy compressed coil spring with ..... for bait.

W1279—Mouse, 7 x 3½, 3 doz in pkg ..... Doz 22c
Gro $2.50

W1280—Rat, 3½x7, 1 doz in pkg ..... Doz 89c

Panther—Made of ..... spring wire ..... Doz ..... 1 doz in pkg ..... for rat.

W1763—Mouse, 1¾x3¾ in. 2 doz in pkg ..... Doz 22c
Lots of 12 doz ..... Doz 21c

W1784—Rat, 3 x 6 ..... 1 doz in pkg ..... Doz 88c

Hole Chokers—Standard quality round, wood, strong springs, painted red.

W1248—Mouse, 4½ in. diam. 1 doz. in pkg ..... Doz $1.08

FOOT SET TRAPS

Size ..... Catches rats and mice—not fingers.

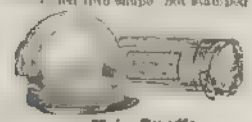
All-steel ..... will not rust. Can ..... spring ..... be ..... box.

W1785—Mouse, 1¼x3¾ in. Doz 75c

W1786—Rat, 3x6½ in Doz $2.00

"PAPRUS" LUNCHEON PLATES

Waterproofed. New pure spruce pulp guaranteed free from chemicals ..... hot into shape, not stamped or pressed.



2 M in Bundle

W3111 ..... per M $3.25
W3112 ..... $3.95

12 in Dustproof Box

W3013 x 11 ..... 1 doz. boxes in carton ..... lbs. net 78c
lbs. ..... Doz $8.00

CLARK'S BIG VALUE STEP LADDERS

All ladders securely fastened with cement coated nails, heavy pressed steel top. ..... riveted to standards.

Special—Full Rodded

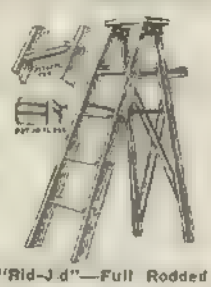
Selected Norway Pine—Where also ..... dressed ..... Each ..... step fastened ..... with ..... ladder iron and ..... steel ..... Each ..... pair ..... with ..... bolt.

W3041	4 ft	10 lbs	$1.28
W3042	5	15	1.65
W3043	6	15	1.95
W3044	8	20	2.65

"Perfection"—Half Rodded

Selected Norway Pine—Full ..... with ladder iron and ..... step fastened ..... with ..... bolt. ..... Each ..... pair ..... with ..... bolt.

W3011	4 ft	12 lbs	$1.26
W3012	5	15	1.60
W3013	6	18	1.90
W3015	8	24	2.60
W3016	10	30	3.25
W3017	12	36	3.95



"Rid-Jid"—Full Rodded

Heavy Selected Norway Pine ..... with ..... Each ..... pair ..... with ..... bolt.

W3021	4 ft	14 lbs	$1.35
W3022	5	18	1.70
W3023	6	24	2.05
W3025	8	32	2.75
W3026	10	40	3.35
W3027	12	48	4.30

COMBINATION LADDER AND STOOL

24 Inch

W1448—13 in. round top, 3 steps, with steps and ..... Each ..... pair ..... lbs. Doz $13.25

COMBINATION LONG LADDERS

Best Norway pine hickory rungs screwed together, no nails, iron ..... with ..... rollers. ..... Lengths as follows:

Tops

W3040	10 ft $2.65
W3041	3.05
W3042	3.55
W3043	4.05
W3044	4.55
W3045	5.10

Bottoms—

W3041	$2.65
W3042	3.05
W3043	3.55
W3044	4.05
W3045	4.55
W3046	5.10

FOLDING WASH BENCH

W2406—16½x45, 26 in. high ..... Each $1.92

CHAIR SEATS

WOOD

..... seats ..... layers of wood ..... split ..... steamed.

LOCAL BIRCH—1 doz in pkg

	Doz
W1184 12 in	$1.02
W1185—13 "	1.08
W1186—14 "	1.28

BALL TOP BIRCH
1 doz in pkg

	Doz
W1170 12 in	$1.02
W1171 13 "	1.15
W1172 14 "	1.28
W1173 15 "	1.62
W1174 16 "	1.82

FIBER ASSORTMENT

W3570—Black and tan ..... Each ..... in ..... Heavy ..... top and round shapes, 12 to 16 in. sizes.

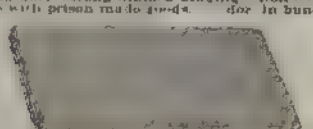
Assorted as follows:

Quantity	Size	Quantity	Size
14	12 in.	8	15 in
	13		16 "
	14		

Assrd 50 in carton, 25 lbs.
ASST of 50 $3.95

COCOA MATS

Heavy deep nap, closely woven, selected tough ..... fiber, strong braided binding. Don't confuse with prison made goods. ..... doz in bundle

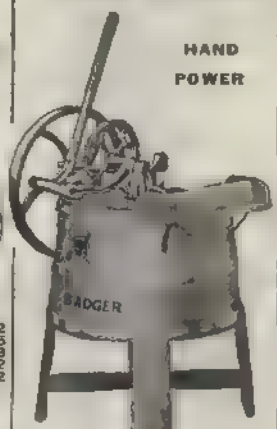


W1370—About 14x25 in ..... Doz $ 9.60
W1371 " 12.50
W1372— " 18x30 " 15.60

W1376—3 sizes, 1 doz each 14x25, 1 doz 16x28, 1 doz 18x30. Assrd 1 doz to ..... Doz $13.25

"BADGER WASHERS"

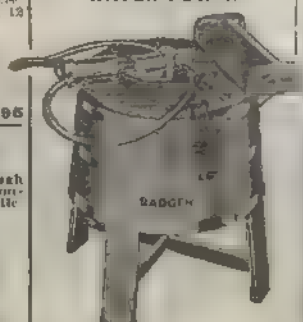
HAND POWER



Large Cypress Tub ..... with lid of ..... thickness ..... Each ..... lbs. ..... Doz ..... lbs.

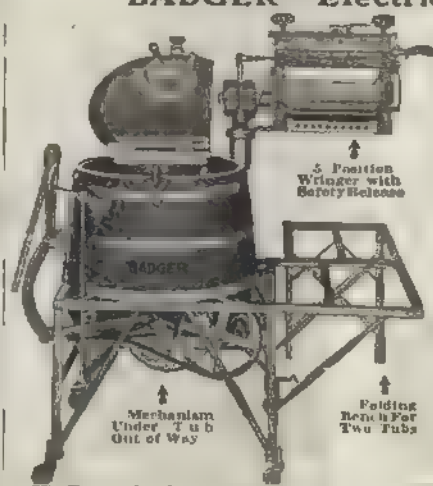
W3725—Lbs. Each $12.95

WATER POWER



W3726—Same as "Badger" Hand ..... except equipped ..... with ..... Each ..... lbs. ..... Doz $15.50

"BADGER" Electric Washer



5 Position Wringer with Safety Release

Mechanism Under Tub Out of Way

Folding Bench For Two Tubs

Tub—Cypress, ... finish ..... with ..... rust ..... No ..... nails, corners or ..... drain ..... both ..... sizes.

Wringer—12 in rolls, adjustable ..... Safety release ..... rolls about ..... special feed table ..... danger of getting ..... fingers in rolls.

Motor—½ H. P. for alternating ..... 110 volts, 60 cycles. ..... specify current ..... and cycle wanted.

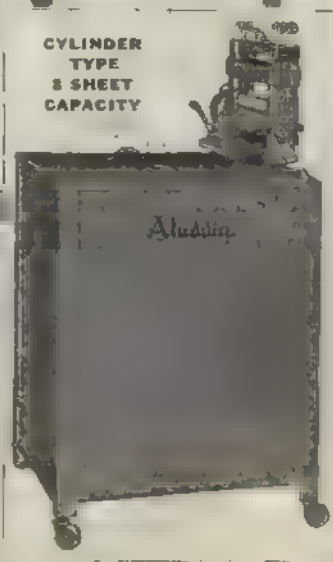
Driving Mechanism—Noiseless ..... on solid metal base, ... Belt drive.

Control Levers—..... controls the ..... of wringer.

Frame—..... braces ..... Each ..... when ..... Height ..... Large ..... lbs.

W3728—..... YELLOW PINE ..... Each $67.50

W3723—..... COPPER ..... Each $73.50



CYLINDER TYPE 8 SHEET CAPACITY

Aladdin ELECTRIC CABINET WASHER

Cabinet—..... enameled, ... on one side permits access ..... when ..... in use.

Tub—Heavy galvanized iron.

Cylinder—Hard maple, ... clothes do not come in ..... reverses itself ..... 8 sheet capacity.

Wringer—..... rolls, ... pressure ..... Each ..... when ..... in use.

Motor—½ H. P. for ..... current 110 ..... Furnished ..... for ..... Be sure to specify current ..... voltage ..... and cycle wanted.

Driving Mechanism—Noiseless, ... on solid metal base, ... out of alignment.

Frame—Built of ..... iron, perfectly ..... to withstand ..... vibration.

Control Levers—One lever ..... the operation of ..... the wringer.

W3729—..... Each ..... lbs. $89.50

W3730—..... Each ..... lbs. 102.00

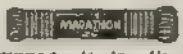
LAUNDRY NEEDS THAT BUILD SALES

Quality and prices to please both dealer and customer

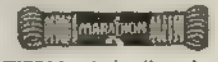
"MARATHON"

America's Greatest Clothes Line Values!

50 FT. BRAIDED COTTON LINES

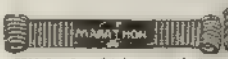


W7710—⅛ in. diam. clean cotton cover and cover. A wonder for the money. 1 doz. in pkg. Doz **$1.95**



W7711—⅛ in. diam., heavy all cotton sash cord line. A brute for wear! 1 doz. in pkg. Doz **$3.95**

50 FT. JUTE LINES—4 PLY



W7712—Light smooth 6o. ...ish selected qual ity. Try to match this value. 1 doz. in pkg. Doz **$2.00**

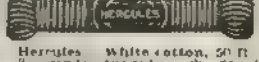
W7713—...lected pol...shed ...ute 10 strand hard l...t. Will outwear any other jute Line! 1 doz. in pkg. Doz **$3.85**

GOOD WEIGHT FULL LENGTH CLOTHES LINES

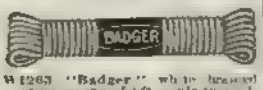
Hold Fast" 3 ply twisted Steel extra strong. Long wearing. 1 doz. connected hanks in pkg.
W3274 40 ft. hanks Doz **$0.84**
W3275 50 " " **1.08**

"Weatherproof" Finished Jute. 60 ft., 4 ply, twisted hand laid, ...ne thread ...trands.
W1273—1 doz. in pkg. Doz **$2.85**

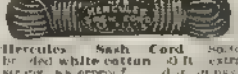
W7721 Velvet Hemp" ... braid 50 f... white A... ...ness line ... and clean oak ... strong a... able. 1 doz. in pkg. Doz **$2.08**



Hercules White cotton, 50 ft. ... strands twisted each strand made ... of many ... ns. W1263 1 doz. in pkg. Doz **$2.08**



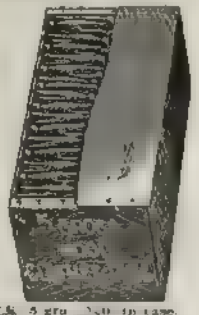
W1263 "Badger" white braided cotton sash cord. Light ... heavy enough ... for ... 1 doz. in pkg. Doz **$2.40**



Hercules Sash Cord ... braided white cotton. 50 ft. extra ... strength ... 1 doz. in pkg. W1270 No. 6 ... 1 doz. Doz **$4.95**

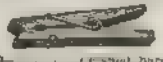
"BADGER" CLOTHES PINS

First quality tumbled and paraffined finish



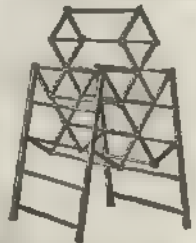
BULK, 5 gro. ... in case. W1008 4 in. ...4 lbs. Case **98c**

SPRING CLOTHES PINS



W1009— ... dressed hardwood, rigid galvanized spring will not rust. 3½ ... in. 1 gro. 4 ... in pkg. Gro. **60c**
... gro. ... in ... Gro. **58c**

"HIGH BOY" CLOTHES DRIER



W2234—Well seasoned when closed 58 in. high, 9 in. wide, smoothly finished semi-knock down ... in parcel post shipping carton. Doz **$16.75**

CLOTHES RACKS

W1075—Eight 21 in. arms folds flat against wall, metal back and hinge. 1 doz. in carton. Doz **$2.85**

For Indoor or Outdoor Use

W2239—42 in. high, 12 round hardwood arms, 24 in. long, working independently in a revolving metal head, legs spread out in tripod form. Folds up. 1 in bdl. Each **$2.10**

For Lawn Use

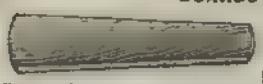
W2235—Four 30 in. wood arms mounted on hardwood ... height ... in. ... diam. ... collapsible ... 15½ in. ... in. ... 4 ... adjustable ... for high ... grass ... posts ... 4 in. ground ... with ... cover ... Each **$7.50**

"CLARK'S" SKIRT BOARDS

Basswood ... ...

WASH DAY NEEDS—Continued

"CLARK'S" SKIRT BOARDS



Basswood—Regular width skirt ironing boards. Selected first quality kiln dried cottonwood, sanded finish and well shaped throughout. ½ doz in bdl.

W1401 Length 6 ft., narrow end 8 in. wide and 12 in. wide at other end. 86 lbs. Doz **$10.80**

W1402 Length 8 ft., narrow end 10 in. wide and 15 in. wide at other end. 113 lbs. Doz **$12.86**

"CLARK'S" ADJUSTABLE IRONING TABLES—Full size, first quality ironing tables at unusually low prices

13x54 in. very smooth seasoned wood, securely braced, adjustable to 3 heights, folds flat when not in use.

W1410—½ doz. in crate, 70 lbs. Doz **$15.50**

"Daisy"—Cottonwood 15x54 in. top, Londeman jointed construction, heavy wire steel frame, adjustable to 3 heights, folds flat when not in use.

W1411—½ doz. in crate, 92 lbs. Doz **$17.75**

"Kid Jid." 15x50 in. clear seasoned wood top, securely braced with steel band and heavy wires, each in paper case.

W1407—½ doz. in bdl., 88 lbs. Doz **$26.86**

"Steadystedy" — Basswood top, 15x54 in. sanded hardwood legs, 180 lbs. to doz.

W1415—½ doz. in pkg. Doz **$21.00**

FOLDING CLOTHES DRIERS

W2238 44 in. high, 12 round hardwood arms, 70 ft. clothes line, 24 in. steel pivot with metal head folds up small. 1 in bdl. Each **$1.90**

W2235 Frost 90 in. wood arms, 150 ft. clothes line, 24 in. ground pivot with screw cover, folds compactly. 1 in bdl. Each **$7.25**

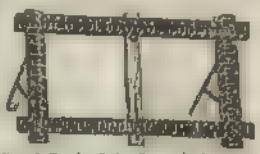
CURTAIN STRETCHERS

"No Sag" 5x10 ft. selected basswood with measuring rule, triple nickel plated brass pins, heavy steel hinges, ¼ doz. in crate.

	Pkg. Wt. per Frame apart crate	Doz
W1385—1½ in.	2 in. 27 lbs	**$18.50**
W1386—1¾ "	1 " 32 "	**21.75**

"Stra-Tedge" 5x10 ft. selected basswood, 1¾ in. square, with measuring rule, japanned metal fasteners and one piece square corner clamps set by thumb screws, 100 rustproof removable pins.

W1390—⅓ doz. in pkg. Doz **$26.00**



Easel Back—5x10 ft. selected dried basswood, 1¾ in. wide, measuring rule, heavy steel inner locking hinges, adjustable pins.

W1389—¼ doz. in crate, 34 lbs. Doz **$31.25**

"BADGER" WASHERS

Large cypress tub, 20 in. dia. with lid of Indian basketwork. Sides and bottom corrugated and top and swinging handle lever parts may be changed almost instantly, large fly wheel gives high speed and makes easy running.

W3725—1 in crate, 96 lbs. Each **$12.75**

Electric

Genuine Louisiana Large cypress tub, full corrugated. Mechanism substantially built to last many years. Parts like pinion shaft, crank, etc., machined and all gears with cut teeth. Large pulleys on motor and machine. Handy pressure release on wringer. Made with best quality 4 ply rubber rolls.

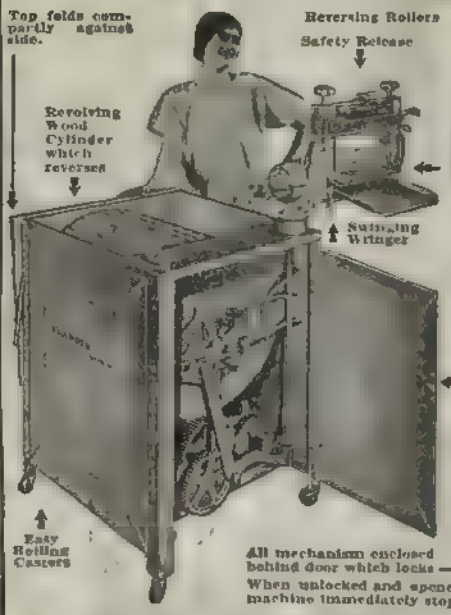
W3727 With wringer Each **$48.00**

W3740—Without wringer Each **$37.00**

Aladdin ELECTRIC WASHERS

Guaranteed for One Year

No better washers made—but many that are higher priced


Top folds compactly against side.
Reversing Rollers
Safety Release
Revolving Wood Cylinder which reverses
Swinging Wringer
Easy Rolling Casters
All mechanism enclosed behind door which locks
When unlocked and opened machine immediately stops

Cylinder Type—Full 8 Sheet Capacity

Cabinet—Heavy galvanized steel pearl gray enameled door on one side permits access to working parts, safety device automatically stops machine when door is opened.

Cylinder—Steel cylinder, ribs do not come in contact with tub. Cylinder reversed at each complete revolution, 8 sheet capacity.

Wringer—Is adjustable to any position. 13 in. rolls. Safety release to relieve pressure should foreign substance pass between rolls. Pressure regulated by thumb screw.

Motor—¼ H. P. for alternating current, 110 volts, 60 cycles. Can be furnished for other current at slight delay. Be sure to specify current, voltage and cycle wanted.

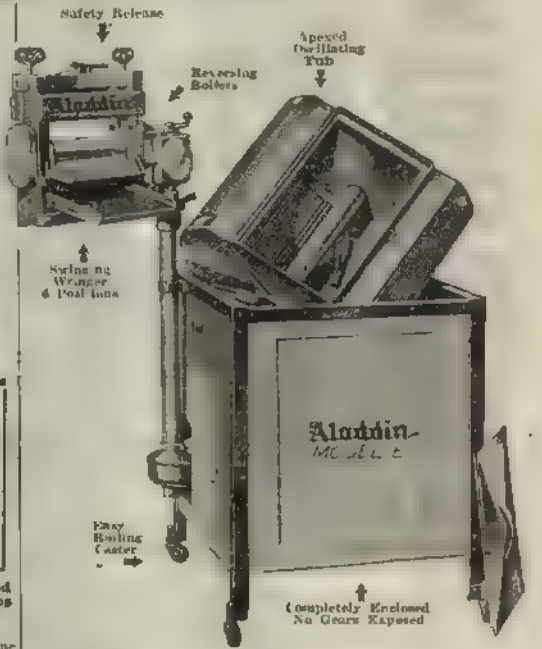
Driving Mechanism—Noiseless, mounted on solid metal base, completely enclosed.

Frame—Angle iron, perfectly braced to eliminate vibration. Heavy casters.

Control Levers—One lever controls the operation of washer, another controls the wringer.

W3729—Heavy galvanized iron tub. 1 in crate, 360 lbs. Each **$90.00**

W3730—Copper tub. 1 in crate, 400 lbs. Each **$105.00**



Oscillator Type—Full 6 Sheet Capacity

Cabinet—Heavy angle iron steel frame, metal throughout, 30 inches high, occupy 28"x28" of floor space, rests on easy rolling casters.

Tub—Burnished 16 oz. copper, tinned on inside, bottom agitated to break water action, full 6 sheet capacity. Tub can be lifted easily from cabinet.

Wringer—Standard make, swings and locks in 4 different positions. Pinion rolls equipped with safety quick release.

Motor—¼ H. P. for alternating current, 110 volt, 60 cycles. Motors of other frequency can be furnished with slight delay. Be sure to specify current voltage and cycle wanted.

W3731—Copper tub. 1 in crate, 240 lbs. Each **$78.50**

"ALADDIN" PORTABLE TUBS

34 in. high frame of 1 in. x 1¼ in. angle iron, tub of heavy galvanized iron with corrugated bottom. Inside tub is equipped with heavy rolling casters. Outside enameled. Lipped to prevent slipping.

W3701—One compartment. 1 in crate 45 lbs. Each **$5.00**

W3702—Two compartment. 1 in crate, 80 lbs. Each **$9.00**

"SIPH-O" EJECTOR

Made to facilitate filling and emptying washing machines or emptying flooded cellars.

W1359—All metal parts nickel plated, standard connection to screw to faucet, equipped with 5 ft. rubber hose and nozzle, necessary for filling or emptying any kind of washing machine. 1 in box. Each **$2.25**

WELL KNOWN ICE CREAM FREEZERS BOTTOM PRICES

"PREMIER"

2 Qt. Capacity

We are headquarters for this freezer. And we've priced it well under its actual worth

Heavy Galvanized Steel Rustproof. Heavy self-locking dasher, automatic wood scraper, heavy cut tinned gears covered, heavy cast handle with wood grip.

W2051—3 days in shipping carton 35 lbs. Doz **$8.00**

"Auto Vacuum"

Heavy tinplate with enamel finish holds the salt and solution evenly packed ice cream or sherbet mixture. Large capacity. The patented vacuum process produces finer texture and freezes once and in half the time ready to serve. 1 in crate.

	Capacity	Wt.		
W2067—	1 qt.	4 lbs.	Each	**$3.35**
W2068—	2 "	7 "	"	**4.00**
W2056—	3 "	10 "	"	**5.35**
W2069—	4 "	12 "	"	**6.70**

"Freze"

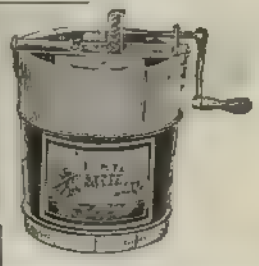
Improved Double Scrapers and Dashers. Best grade Northern white pine tub practically waterproof), welded iron hoops that will not come off. Improved double Scrapers and dasher, enclosed cast running gears, high narrow can made of good quality tin plate. Each wrapped.

	Capacity	Wt.	Each
W2331—	2 qt.	11 lbs.	**$2.25**
W2332—	3 "	15 "	**2.75**
W2333—	4 "	16 "	**3.35**
W2334—	6 "	20 "	**4.20**

"Peerless"

Vacuum Screw Dasher—Best grade Northern white pine tub practically waterproof, welded iron hoops that will not come off. Improved double scrapers, all gears covered, extra heavy, reversed high narrow can. Each wrapped.

	Capacity	Wt.	Each
W2060—	2 qt.	11 lbs.	**$2.60**
W2061—	3 "	15 "	**2.95**
W2062—	4 "	16 "	**3.60**
W2063—	6 "	20 "	**4.65**
W2064—	8 "	28 "	**5.90**



"Alaska"

Screw Dasher, Automatic Scrapers—Wood tub 2 hoops, heavy reticulated cast galvanized cast iron gear wood grip crank. Improved locking device.

W2078—2 qt. ½ doz. in carton ... Doz **$18.00**

One man can set them up in 15 minutes

KEGS—COOLERS FAUCETS

"U. C." WOOD KEGS

Made by one of America's oldest and most reliable cooperage manufacturers. Hoops tight, selected woods, smooth finish highly polished outside.

White Oak—Good grade, no corrugating no coloring or contamination of contents, maple mouthpiece, metal hoops, wood handles, varnished.

W2360—	1 gal.	3½ lbs.	Each	**$0.72**
W2361—	2 "	5 "	"	**.84**
W2362—	3 "	6½ "	"	**.98**

Red Oak—Paraffine lined, 6 steel hoops, 1½ in. bung.

W1921—	5 gal.	10 lbs.	Each	**$1.45**
W1922—	10 "	18 "	"	**1.90**
W1923—	15 "	24 "	"	**2.15**
W1925—	25 "	36 "	"	**2.80**

White Oak—Tight cap, charred interior, 1½ in. bung.

	Gal.	Hoops	Wt.	Each
W2834—	3	4	3½ lbs.	**$1.15**
W2835—	5	4	5 "	**1.40**
W2836—	5	6	10 "	**2.00**
W2847—	10	6	18 "	**2.65**
W2848—	15	6	24 "	**2.95**
W2839—	25	6	36 "	**4.00**

WATER COOLERS

Selected Quarter Sawed Oak—Outside finished in golden oak, inside lined with 2 heavy coats of orange gum shellac which makes cleaning easy. Bound with 6 steel hoops, nickel finish. Brass faucet, open end, with ring to prevent warping. 1 in carton. Each

W2355— 5 gal. 16 lbs. **$6.75**
W2356—10 " 26 " **9.25**

WOOD FAUCETS

Genuine Red Cedar—For all kinds of liquids. 1 doz. in box

W1142—8 in.. Doz **$1.50**
W1143—9 " " **1.80**

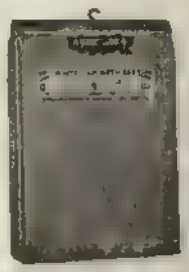
"Redlicks" — Warranted clear maple, cork lined bit, saturated with India rubber. 1 doz. in box.

W1130—8½ in. Doz **$1.75**
W1140—9 " " **2.10**

MOTH PROOF BAGS

"Lenco"—40 lb. basis No. 1 kraft paper cedar treated, absolutely moth and dustproof when sealed 50 in bundle

W2246—28x54 in. Per 100 **$8.00**



"White Tag"—Made of specially prepared paper, patented catch makes bag mothproof. 1 in env.

W2240—24x37, for suits. Each **85c**
W2241—30x50, for overcoats. Each **$1.15**
W2242—30x80, for ulsters. EACH **$1.25**

"CONTINENTAL" EXTENSION SCREENS

Best grade thoroughly seasoned northern beech and maple frames, reliable painted finish with coat of oil, linkus waterproof wire cloth securely fastened to frame and covered with moulding to prevent pulling out. Mitred edges of wire cloth with double crimped end joints, perfectly adjustable will not stick or bind. Guaranteed. 1 doz. in crate, average 25 to 50 lbs.

Extends 21-38 In.

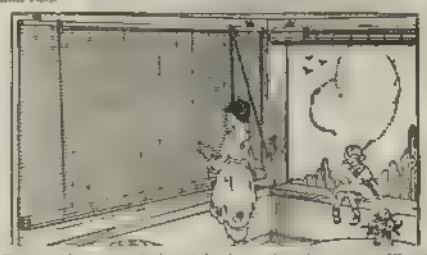
W1533—15 in. high	Doz	**$4.35**
W1531 18 "	"	**4.90**
W2483— 24 "	"	**5.95**
W2485 24 "	"	**6.40**
W2537 28 "	"	**7.40**

Extends 23-37 In.

W3537—30 in. high	Doz	**$8.10**
W3537 36 "	"	**9.60**

"PEERLESS" WIDE SLAT PORCH SHADES

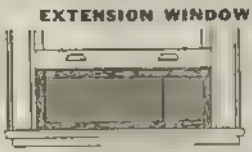
Made in America. Absolute protection from sun, wind and rain



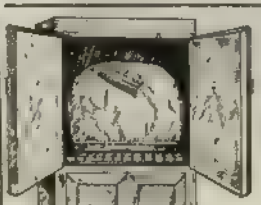
Thoroughly seasoned pine stained an attractive green, will not fade or fade with galvanized pulleys, white cotton rope, hooks and screw eyes, easy to install. 1 in pkg.

W1200— 4x7 ft.	Each	**$2.60**
W1201— 6x7 "	"	**3.15**
W1202— 6x7 "	"	**3.90**
W1203— 8x7 "	"	**5.10**
W1204— 10x7 "	"	**6.25**

EXTENSION WINDOW VENTILATORS



White. Extends to 36 in. high. In hard maple finish, satin finish, prepared cloth top, adjustable, hooked angle iron insures proof. 1 doz. in crate. 50 lbs. Doz **$7.85**



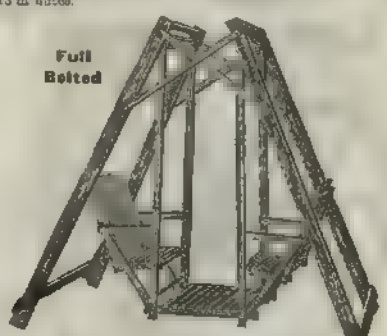
ICE PROTECTO CAP

The only real ice saver. Lasts many seasons.

W1185—Household size for cakes of ice from 25 to 75 lbs. made of special chemically treated cloth will not cause taste, ice or foods. Each in box, ½ doz. in pkg. Doz **$8.00**

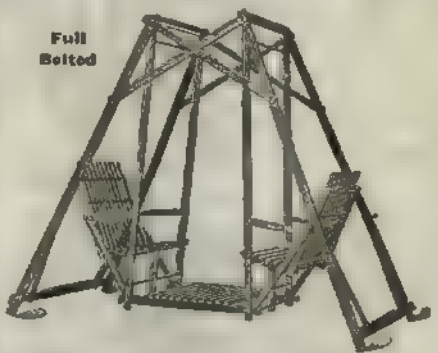
LAWN SWINGS

Selected northern beech the finest stock for outdoor use, full bolted (not nailed) construction. Swing bars are knife point malleable hooks swinging on round rods giving a smooth easy motion, no squeaking. 2 coats of paint 1 coat varnish. Seats open ready for use, fastened by special swing hole cross arms. Clean and swing is ready to use. Can be set up by one man in 15 minutes.



➡ W2290 **"Hero."** 4 passenger, occupies 8x6 ft. ground space, 8 ft. high, 1x4 in. extra heavy frame, ¾ bolted frame construction, 31½ in. seat space, 37 in. back, adjustable floor boards and seat, bright red frame, rich green seat, hangers, foot board and cross braces.
1 in crate, k. d., 150 lbs. ..... Each **$6.50**

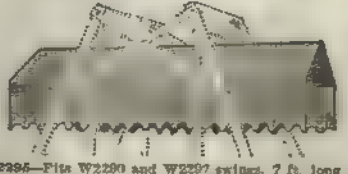
Shipped F.O.B. Goshen, Ind.



➡ W2297 **"Idle Hour,"** 4 passenger, occupies 9 ft. 4 in. x 6 ft. ground space, 6 ft. high, 1¼ x 2½ in. extra heavy frame, 3 ft. 6 in. top, 9 ft. at bottom, 7½ ft. x 3 in. hand rubbed finish seats with safety arm rail, center posts 1¼ x 4½ in. seats, with 23½x35 in. backs, adjustable pipe forms of iron 1x1½ in. slats, strongly braced and bolted throughout, bright red gloss finish frame. 1 in crate, k. d., 175 lbs. Each **$8.25**

Shipped F.O.B. Goshen, Ind.

LAWN SWING CANOPY



➡ W2295—Fits W2290 and W2297 swings, 7 ft. long, wood frame, covered with 8 oz. brown canvas duck with red trimmed scalloped edges.
1 in bdl., 35 lbs. ..... Each **$3.75**

Shipped F.O.B. Goshen, Ind.

PITCHING SHOES

ALLITH, Guaranteed Not To Break.

Malleable iron, perfectly balanced and correctly designed. Made in two sizes, the small shoe is intended primarily for children, whereas the large shoe is the standard regulation size. To distinguish the shoes in playing, the numbers 1 and 2 are cast in them, the No. 1 shoe being finished in black and No. 2 in red. Complete with official pitching rules.

Nos.	6301	6302
Wt per pair, lbs	2½	5
Per Pair	$2 25	2 25

One pair in cardboard box.

PITCHING STAKES

ALLITH

No. 6200-2—Malleable iron, black finish; diameter 1 in.; length 20 ins. Per Pair $3 30

One pair in cardboard box; wt per pair 7¾ lbs.

BOXING GLOVES

REACH

Corbett Pattern.

8 ounce; fine craven tan kid; olive tan palms, filled with good quality hair; wine padded cuffs; patent laced wrist and wine leather adjustable palm grip; patent perspiration-proof lining. Per Doz Sets

No. 51—Wt per set of four, 2 lbs . $211 50

One set in cardboard box.

Corbett Pattern.

8 ounce, fine craven tan kid; olive tan palms, filled with good quality curled hair, padded cuffs, patent laced wrist and adjustable palm grip.

Per Doz Sets

No. 45—Wt per set of four, 2 lbs . . . $237 75

One set in cardboard box

Corbett Pattern.

8 ounce, finest quality brown kid bag, olive palm, ox blood palm grip, brown kid cuff, padded with good quality curled hair. Patent laced wrist, patent adjustable palm grip.

Per Doz Sets

No. 90—Wt per set of four, 2 lbs $297 00

One set in cardboard box.

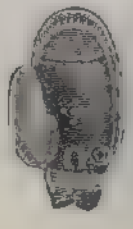
Corbett Pattern.

8 ounce; green napa tan kid leather; olive tan palm; filled with best quality hair; padded cuffs; patent laced wrist and wine leather adjustable palm grip.

Per Doz Sets

No. 158—Wt per set of four, 2 lbs $316 50

One set in cardboard box.



Youth's

4 ounce, brown tan glove leather; padded wrist; deep laced palm with leather grip. Regulation pattern and size.

Per Doz Sets

No. AL Wt set of four 1 lb $108 75

One set in cardboard box.

BOXING GLOVES

REACH

Boys'.

4 ounce, wine tan leather; padded wrists inside grips; laced at wrist

Per Doz Sets

No. LM -Wt per set of four 1 lb $93 00

One set in cardboard box.

California Style.

8 ounce, made of fine wine tan leather, brown tan palms, well stuffed with hair, full laced wrist, palm grip. Per Doz Sets

No. D—Wt per set of four, 2 lbs $188 25

One set in cardboard box

FIGHTING GLOVES

Endorsed by all the leading pugilists; 8 ounce. Made of finest brown tan kid, filled with superior quality curled hair, padded cuff, patent adjustable palm grip, patent perspiration proof lining, patent lace wrist. Fitted with safety device in the nature of an elastic bandage, which covers the knuckles and coming over the palm, enables the boxer to get a better grip.

Per Doz Sets

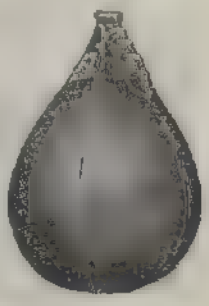
No. 80—Wt per set of four, 20 ozs . . . . . ✦$198 00

One set in cardboard box.

STRIKING BAGS

REACH

Juvenile.



Wine tan leather; accurately balanced. Regulation model; strong and serviceable. Complete with pure rubber bladder, lace and suspension cord.

Per Doz

No. J1—Wt each 9 ozs $59 40

One in cardboard box.

Single end, pear shape, new model, insures a perfectly true swing to the bag. Laced on side of top. Pure Para rubber bladder; complete with suspending cord and lace.

Regulation size; finest California Napa tan leather. This bag is endorsed by James J. Corbett, and is used by him in all his exhibitions and in training; guaranteed in every particular; welted and stayed seams. New model.

Per Doz

No. 30—Wt each 11 ozs $211 80

One in cardboard box

Regulation size; fine wine tan leather; welted and stayed seams.

Per Doz

No. 4½—Wt each 11 ozs $130 65

One in cardboard box.

Youth's size; all olive leather; stayed seams.

Per Doz

No. 3½—Wt each 9 ozs $106 95

One in cardboard box

✦F. O. B. Pennsylvania Factory Only.

STRIKING BAGS

REACH

Double end. Pure Para rubber bladder complete with rubber cord for floor, suspending cord for ceiling, and screw eyes.

Regulation size. Made of finest ox-blood leather, welted and stayed seams. Patented fixture at bottom, guaranteed not to pull out because it is thoroughly practical.

	Per Doz
No. 3½D—Wt each 11 ozs	$118 80

Made of craven tan leather, olive tan trimmings; stayed seams.

	Per Doz
No. 0D—Wt each 10½ ozs	$93 00

One in cardboard box.

STRIKING BAG BLADDERS

REACH

Made of pure Para rubber, tested and guaranteed perfect in material and workmanship.

For Single End Bags.

	Per Doz
No. 7P—For Nos. 18, 20, 30, 35, 40 striking bags	✦$26 55
No. 8P—For Nos. 0, 3½ striking bags	✦ 21 75
For Double End Bags.	Per Doz
No. 7T—For Nos. 28D, 30D striking bags	✦$26 55
No. 8T—For Nos. XD, 0D, 2D, 3½D striking bags	✦ 21 75

One in an envelope; wt each about ¼ ozs.

STRIKING BAG GLOVES

REACH

	Per Doz Prs
No. 2G—Made of fine olive tan leather, padded with best felt. Palm grip, full hand model	$37 80

One pair wrapped in paper; wt per pair 3 ozs.

STRIKING BAG INFLATORS

REACH

Pocket size. Made of brass, nickel plated. Also suitable for foot ball and basket ball bladders.

	Per Doz
No. 1—Size cylinder 5½x⅞ in.; lgth. over all closed, 7¼ ins	$13 05

Packed loose; wt per doz 2 lbs

STRIKING BAG SWIVELS

REACH

Ball-bearing, impossible for cord to break or wear out as all the friction bears directly on the ball, which moves at will in any direction, with the swing of the bag.

Handsomely ornamented and nickel plated on copper.

	Per Doz
No. 309—Wt per doz 6¼ lbs	✦$17 40

One in cardboard box.

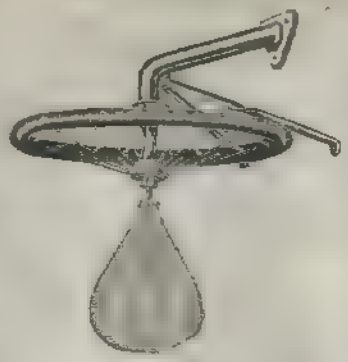
The support is screwed firmly to ceiling, and the bag can be removed at will by simply untying the knot, and is so constructed that the cord can not wear. Japanned.

	Per Doz
No. 335—Wt per doz 7½ lbs	✦$7 95

One in cardboard box.

✦F. O. B. Pennsylvania Factory Only.

STRIKING BAG PLATFORMS



CYCLO

Highly polished disc; requires 12 inch wall space; when in use extends 2 feet from wall; when not in use disc can be unscrewed and put away. All vibration absorbed by the light steel hub, spokes and arm; extension nipple furnished for overhead adjustment; diameter of rim 18 inches. Complete with arm, braces and chart illustrating movements.

Price Does Not Include Bag.

	Each
No. 41—Hardwood disc; aluminum finish	$18 30

One in carton; wt each 12 lbs.

TEX

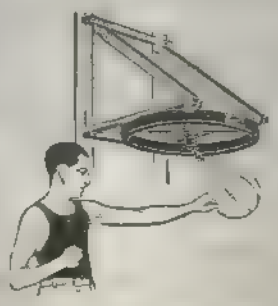
Frame made of walnut, with hardwood rim; natural finish. Rim is attached to frame by means of strong metal japanned stirrups; fitted with springs between frame and rim, which eliminates much of the jar and vibration and makes the platform practically noiseless.

Price Does Not Include Bag.

	Each
No. 90—Diam of rim 23 ins	$13 80

Packed loose; wt each 10 lbs.

NONPARIEL



Hardwood frame, securely bolted, finished in a medium dark oak stain.

Rebound ring made of a flat band of steel, black enameled; lower end formed into a rounded angularly disposed in-turned flange, which possesses the necessary resiliency to effect a quick rebound of the striking bag. Especially suitable for home use; platform can be attached to any wall or post.

Price Does Not Include Bag.

	Each
No. 2—Diam of rim 23 ins	$11 25

One in carton; wt each 13 lbs.

RADIO

Radio Sets and Supplies that measure up to a high standard —and the prices are rock-bottom. A merchant needs only one set for demonstration purposes and "Our Drummer" at his elbow to hook-up with one of the biggest money making opportunities in today's merchandise field. We carry the stocks and you send us your orders as you make sales. (See Important Notice Bottom of Page.)

"AMEREX" Ace Tuned Radio Frequency Set and Outfit

Marvelous performance, distinctive appearance, low price—the "AMEREX" ACE offers more value dollar for dollar, than any other set on the market today.

Five Tube Set

NON-RADIATING—Air core radio frequency transformers of special design prevent oscillation thus eliminating squeals and howls which are transmitted causing tuning troubles for other radio owners.

EASY TO OPERATE—3 major dials—numbers are identical for all 3 dials for a given station.

CABINET—Golden oak, 19 inches long, 10 inches high, 6½ inches deep. Nickel plated piano hinge, felt base feet.

DISTANCE—Tests by our Radio engineering department in New York City brought in Davenport, Iowa, Kansas City, Mo., St. Louis, Mo., Chicago, Ill., Montreal, Canada, Louisville, Ky., etc. All were received clear and distinct on a loud speaker without the slightest interference, while local New York stations were in operation. Possibly greater results may be secured in better receiving locations and with practice.

APPEARANCE—The golden oak cabinet combined with mottled mahogany panel dials engraved in gold and all panel hardware gold plated make a fitting addition to any home.

Receiving Set. Without Any Equipment

3H9124—"Amerex" Ace 5 Tube Tuned Radio Frequency Set only, without equipment. Each **$32.50**

Complete Receiving Set

3H3188—"Amerex" Ace 5 Tube Tuned Radio Frequency Set, with the following equipment which makes a complete receiving outfit.

5 U. V. A. tubes UV201A.
1 Storage battery, 6 volts 75 amperes.
2 Batteries, 1 half size, 45 volts.
1 Pair headphones, 2,000 ohms.
1 Phone plug.
1 "Manhattan Sr." loud speaker.
1 Antenna outfit.

Each **$76.50**

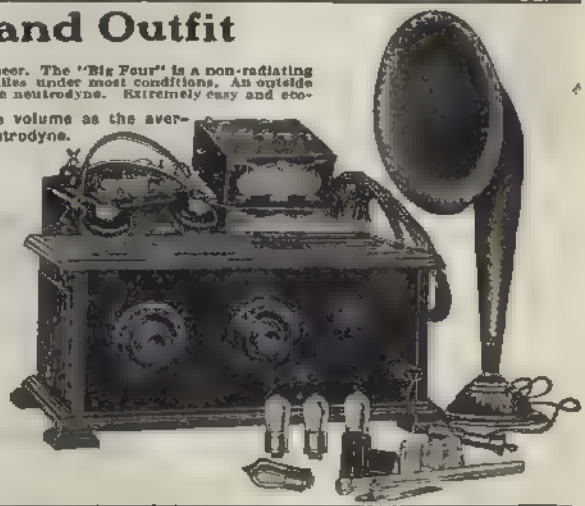
Aladdin—"BIG FOUR" Set and Outfit

Pfanstiehl Non-Oscillating

Especially designed for Butler Brothers by Carl Pfanstiehl, noted scientist and radio engineer. The "Big Four" is a non-radiating radio frequency set with close selectivity and acute sensitiveness. Receiving range 2,000 miles under most conditions. An outside aerial is recommended for best results. This set gives the same volume as the average 5 tube neutrodyne. Extremely easy and economical to operate. Licensed under Pfanstiehl Patents Pending.

Famous "Pfanstiehl" Circuit

Gives the same volume as the average 5 tube Neutrodyne.



4 Tube Set

Mahogany hand finished cabinet 20½ in. long, 9½ in. high, 11 in. wide, piano hinges, bakelite panel. Circuit consists of detector, 1 stage of tuned radio frequency and 2 stages of audio frequency. Removable resistances used, set can readily be adapted to either dry cell or storage battery tubes. The remarkable volume of the "Big Four" is due to the "Pfanstiehl" non-oscillating circuit which retains the full signal strength and faithfully reproduces the original. Complete instructions with each set. 1 in carton.

Receiving Set Without Any Equipment

3H758—Aladdin "Big Four" 4 tube receiving set. Each **$48.50**

Complete Receiving Outfit

3H759—Aladdin "Big Four" 4 tube receiving set with the following equipment which makes a complete receiving outfit.

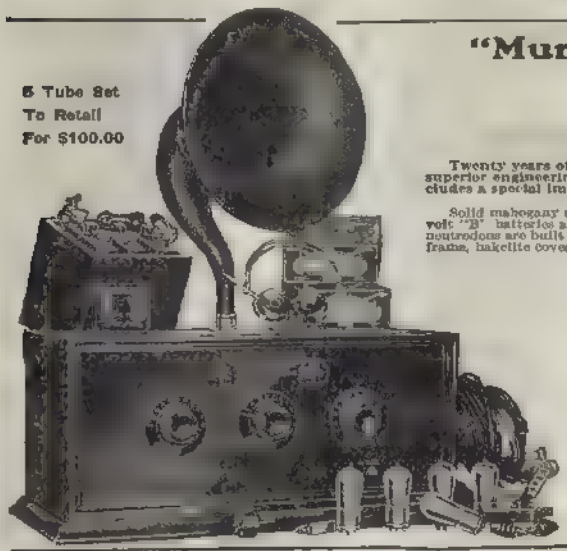
4 Tubes UV201A.
1 Storage battery, 6 volts, 80 amperes.
2 "B" batteries, 45 volts, each.
1 Pair "Murdock" head phones, 3,000 ohms.
1 "Aladdin" loud speaker.
1 Antenna outfit.

Each **$83.50**

"Murdock" Neutrodyne Set and Outfit

BUILT-IN LOUD SPEAKER

NEW FEATURE—"C" Battery to Cut Down "B" Battery Consumption



5 Tube Set To Retail For $100.00

Twenty years of exclusive radio manufacture has enabled the William J. Murdock Company to produce through superior engineering and volume production the first 5 tube Neutrodyne Set to retail for $100. This new model includes a special improved type built-in loud speaker.

Solid mahogany cabinet, handsome piano finish, 27 in. long, 13 in. wide, 12½ in. high, ample room inside for 2 large size 45 volt "B" batteries and one 4½ volt "C" battery. Loud speaker stands 22½ in. above top of cabinet, bell 14 in. diam. Special neutrodons are built in the condensers, thus eliminating extra parts and increasing efficiency. Entire unit mounted on aluminum frame, bakelite covered, practically all wiring concealed in sub-base.

RECEIVING SET

Built-in Loud Speaker and Phone Plug

3H4509—New "Murdock" 5 tube Neutrodyne receiving set with built-in loud speaker and phone plug only. Retails at $100.00. Each **$70.00**

Complete Receiving Outfit

3H4511—New "Murdock" 5 tube Neutrodyne receiving set with built-in loud speaker and the following equipment which makes a complete receiving outfit.

5 tubes, 201A type.
1 storage battery, 6 volts, 90 ampere.
2 "B" batteries, 45 volt.
1 4½ "C" battery.
1 pair Murdock headphones, 3,000 ohms.
1 phone plug.
1 antenna outfit.

Each **$111.25**

READ THIS

During the Summer season, from May to September, we have reduced our catalogue showing of radio. Should you desire anything not listed in this catalogue kindly refer to our MARCH book. We have a complete stock of all items listed in our MARCH catalogue. As usual, the cost will be in accord with prevailing market prices. Your orders will receive our usual prompt attention.

→ IMPORTANT ←

Due to the nature of Radio merchandise, we are compelled to follow the trade custom with respect to claims and return of goods.

All of our Radio Sets and Supplies are well known brands, carry the manufacturer's regular guarantee, and are carefully inspected and tested before shipment and delivered to transportation company in perfect condition.

Radio Sets and Supplies may not be returned for credit unless our consent is obtained in advance.

If you desire to return any Radio material which you have bought from us, write to us, explaining the reason and ask for Authorization Return Tag.

We can accept no returned Radio Sets or Supplies unless the Authorization Tag is filled out and attached securely to the outside of the package.

All shipments containing Radio Sets or Supplies should be examined immediately on receipt as no claim of any nature will be allowed unless submitted within five days after receipt of goods.

PLUMBING GOODS

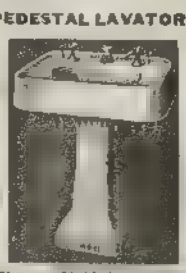
You won't find any "seconds" in this line—they are first quality standard goods and so marked. There are no lists and discounts to figure here—only one price and that a net price. In stock ready to ship.

"WHITE HOUSE" LAVATORY

Porcelain enameled on heavy iron nickel plated hot and cold index compression faucets, waste plug, chain and stopper, each with concealed hangers. Guaranteed 2 yrs

2H6871—18x21 in. over all 15 x 4 in. bowl 8 in. flat back apron rim, nickeled supply pipes 12" trap and pipes to wall. 1 in crate 85 lbs
Each, **$13.95**

PEDESTAL LAVATORY



2H2343—20x24 in. 15 in. oval bowl white porcelain enameled Model with china knob. Fuller fixtures including new basic style nickeled supplies and P. trap, wall 1 in crate, 90 lbs.
Each Qty

"WHITE HOUSE" KITCHEN SINKS

White porcelain enameled on heavy iron. Fuller combination trap and waste guaranteed 2 years. 1 in crate. Size Weight Each

2H8291—16x24 in.	48	$5.50
2H8292—18x30 in.	80	5.98
2H8293—20x30 in.	90	6.50

COMPLETE CLOSET

2H6127 3 gal. vitreous china tank guaranteed not to craze, double siphon jet action, low pressure bell cock, supply pipe, nickeled brass connections, siphon action washdown hopper, white enameled closet seat and cover, nickeled brass post hinges, low tank 2 in crate 150 lbs
Each **$29.85**

CLOSET BOWL

2H6116—"White House," vitreous china marble body guaranteed not to craze, roughs in 6½ in. from base of spud to center of outlet, siphon wash down seal attachments, 3 in. spud for low tank. Guaranteed 5 years. 1 in crate, 45 lbs.
Each **$10.50**

LOW CLOSET TANK

2H6106—5 gal., vitreous china glaze guaranteed not to craze, double acting handle, side lever patented molded hollow rod high pressure cock, supply pipe valve nickeled connections. 1 in crate, 60 lbs
Each, **$15.50**

"BEVERLY" INDOOR CHEMICAL CLOSET

Sanitary

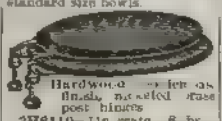
With a sanitary odorless method. A full measure closet at a worthwhile price.

2H9244—18½ in. high, 14½ in. diam., 7 gal. capacity. Heavy steel, gray enameled, all parts in same finish, heavy galvanized steel receptacle with cover, golden oak wood seat, dual system of ventilators, 6 lengths pipe 2 elbows, wall outlet, toilet paper holder and roll paper, 1½ gal. guaranteed chemical (6 months' supply) and diagram for setting up. Each in shipping carton, 42 lbs.
Each **$5.75**

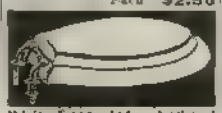
2H8374 Additional chemical and refill can 1 gal. size
Gal **$1.10**

CLOSET SEATS

1 in. stock, non-split, 3/8 in. open rear, solid grooved, extra heavy, heavy cords in front and back, brass nut screws in open nickel plated and highly polished. Complete with gaskets, washers and bumpers. Fits all standard size bowls.



Hardwood—selected finish, nickeled brass post hinges
2H6110—1 in crate, 6 lbs
Each **$2.50**



White Enameled—Nickeled brass post hinges
2H8111—1 in crate, 9 lbs.
Each

SINK FAUCETS

Made by Pick Bros. & Co., New Haven, Conn.

Polished Brass—Compression washer bib flanged faucet, stub pattern, 3 in. standard male thread, T handle
2H6207—½ doz. in box
Doz **$7.65**

Nickel Plated—Compression plain end faucet with flange, ½ in. standard male thread, T handle
2H6202—½ doz. in box
Doz **$11.75**

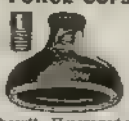
Nickel Plated—Compression plain end faucet with bronze cap nut, ½ in. standard male thread, 4 ball indexed handle adjustable flange with set screw
2H6201—For cold water
½ doz. in box
Doz **$16.75**

BATH ROOM FAUCET

Made by Pick Bros. & Co., New Haven, Conn.

2H6217 Compression faucet, nickel plated, china mixed double base, bonnet bronze cap in standard female thread offset ball and coupling 1 in box
Each **$3.75**

FORCE CUPS



"Wilbow"—Heavy red rubber cup 30 in. handle. The cup and handle are both threaded so it is impossible for handle to pull out. ½ doz. in box
Doz

2H1135—4½ in.		$3.75
2H4632—5½ "		4.86

RUBBER STOPPERS

Basin Stoppers—White rubber nickeled ring 1 doz. in box
Doz

2H6146—1¼ in.		$1.14
2H6147—1½ "		.42

Suction Sink Stopper—5 in. good quality white rubber
2H6138—1 doz. in pkg
Doz **$1.30**

"LEAK STOP" FAUCET WASHER

2H1984—3 sizes, 2 each of ¾, ½ and ⅜ in. mineral rubber leather guaranteed to withstand hot and cold water, assorted 6 in box. Retail 10c box 3 doz. boxes in carton
Doz boxes **85c**

BLOW TORCH

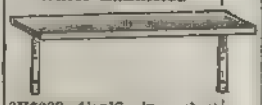
2H1004 4 oz. bottle 1 qt. gasoline seal brass with solderine iron rest, tested and guaranteed 1 in pkg
Each **$6.25**

"RED TRIANGLE" DRAIN PIPE CLEANER

2H6218 A powerful drain pipe, sink, tube or bowl cleaner also thaws frozen drain pipes, attractively labeled can
1 doz. cans in carton
Doz **$2.00**

STEEL SHELF

White Enameled

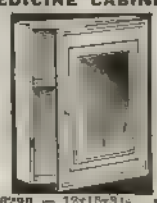


2H6032 4½x17 in., sheet steel 3 coats white enamel, strong white enameled iron brackets. 1 doz. in box
Doz **$2.10**

MEDICINE RACK

2H6294—13x14 in., 3 shelves, sheet steel, double coated white enamel, strongly constructed. ½ doz. in shipping carton
Doz **$7.75**

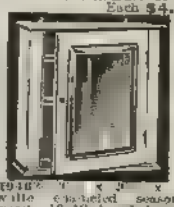
MEDICINE CABINETS



2H6298—12x15x3½ sheet steel white enameled inside and out, 1 shelf, 7½x9½ plate mirror, metal knob, ½ doz. in carton
Doz **$18.00**

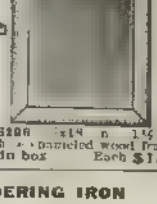
2H6319—13½x13½x4½, heavy wt., white enameled sheet steel electrically welded, 9½x9½ in. plate mirror, 1 shelf, white porcelain knob with brass spring catch, 1 in carton, 12 lbs.
Each **$2.75**

2H6282—8 x 14 x 4½, white enameled sheet steel throughout, 12 x 24 French plate mirror, 2 shelves, white porcelain knob with brass spring door catch, 1 in crate 15 lbs.
Each **$4.65**



2H6942—[illegible] x ½ white enameled seasoned wood 12x16 beveled plate glass mirror, 3 adjustable shelves, lock and key, 1 in crate, 11 lbs.
Each **$9.65**

BATHROOM MIRROR



2H6206—14 in. x 1¼ in. white enameled wood frame, 2 in box
Each **$1.48**

"WHITE HOUSE" BATH TUBS

Smooth porcelain finish, no flaws. Guaranteed 2 years.

Heavy cast iron, white porcelain inside, lead color outside, height including legs 23 in., extreme width 30 in., ins. depth 17 in., 3 in. roll rim. No. 4½ nickel plated Fuller double combination bath cock, ball couplings, 22½ in. supply pipes, floor flanges and connected waste and overflow, strainer, waste plug, rubber stopper and chain.

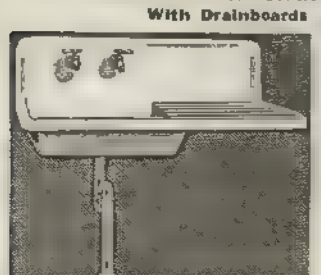
2H8257—4 ft. 6 in. long, 1 in crate, 280 lbs.
Each **$35.00**

2H8258—5 ft. long, 1 in crate, 315 lbs
Each **$37.50**

2H8259—5 ft. 6 in. long, 1 in crate, 350 lbs.
Each **$39.50**

"WHITE HOUSE" KITCHEN SINKS

With Drainboards



Porcelain enameled on cast iron, 1 piece size 18x20, 20 x 24 in. drainboard roll rim ¾ in. nickel plated Fuller fixture faucets, 1½ in. S trap to floor concealed wall hangers. Guaranteed 2 yrs. 1 in crate, 200 lbs

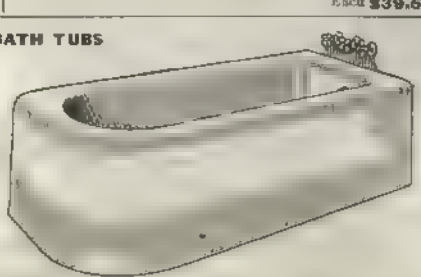
2H8295—Left-hand drain
Each **$29.50**

2H8296—Right-hand drain.
Each **$29.50**

BUILT-IN BATH TUBS

Recess Built-in Apron Pattern—5 ft. long, 30 in. wide, white enameled inside and out, waste and supply fixtures are concealed in the wall and only the full china cross handles and flanges are exposed. 1 in crate 435 lbs

2H8236—With left hand trimmings
Each **$72.50**



Corner Built-in Apron Pattern—5 ft. long, 30 in. wide, white enameled inside and out, waste and supply fixtures are concealed in the wall and only the china handles and flanges are exposed. Complete with fittings. 1 in crate, 435 lbs.

2H8237—Right hand corner.
2H8238—Left hand corner
Each **$77.50**

SOLDER AND SOLDERING IRON

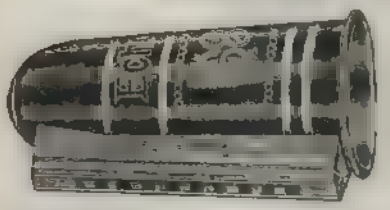
Bar Solder—1 lb., good flowing commercial grade.
2H6248—Sold in any quantity..... Lb **55c**

Solder Wire—Half and half, 14 gauge.
2H6250—1 lb. (about 70 ft.) in box.
Each **58c**

Copper Soldering Iron—Shank firmly set in iron, upper part japanned
2H6256—1 lb., 10 in.
Each **68c**

HARMONICAS

HOHNER, "Echo Phone". Scales A, B, C, D, E, F, G,



10 single holes; 20 reeds; brass plates; nickel plated covers.

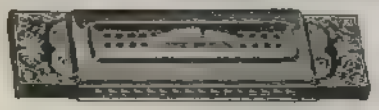
Per Doz
No. 3810—Length 4¼ ins; wt per doz 3½ lbs..... **$24 75**
One in cardboard box.

HOHNER, "The Goliath."

24 double holes; 48 reeds; brass plates; nickel plated covers.

Per Doz
No. 453 Length 7½ ins; wt per doz 6 lbs..... **$37 50**
One in imitation alligator skin hinged box.

HOHNER, "The Up-to-Date"



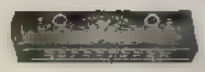
16 double holes; 32 reeds; brass plates, nickel plated covers

Per Doz
No. 46½—Length 7 ins; wt per doz 7¼ lbs..... **$48 75**
One in hinged covered box.

POHL

10 double holes; 8 reeds.

Per Doz
No. 163—Length 4 ins; wt per doz 2½ lbs..... **$1 35**
One in telescope container.



POHL

12 double holes; 12 tuned reeds; nickel plated covers.

Per Doz
No. 165—Length 4 ins; wt per doz 2½ lbs..... **$2 55**
One in telescope container.

HOTZ, "Blue Ribbon."

10 single holes; 20 reeds; brass plates; nickel plated covers.

Per Doz
No. 00 -Length 4 ins; wt per doz 7 lbs..... **$4 95**
One in telescope container.

HOTZ, "Excelsior."

10 double holes; 20 reeds; nickel plated covers.

Per Doz
No. 04—Length 4 ins; wt per doz 2 lbs..... **$5 85**
One in telescope container.

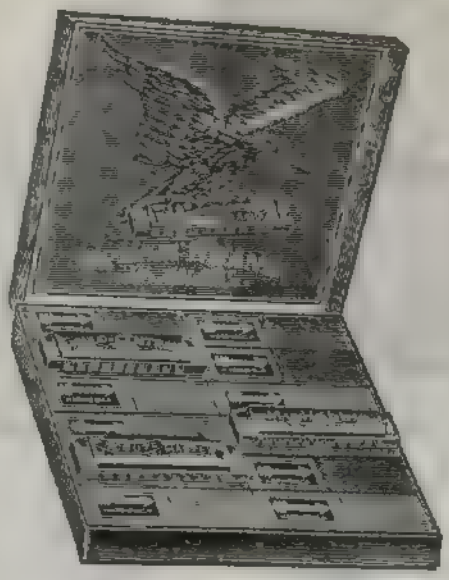
HOTZ, "United Service."

10 double holes; 20 reeds; brass plates; nickel plated covers.

Per Doz
No. 03—Length 4¾ ins; wt per doz 2⅝ lbs..... **$12 00**
One in cardboard box

HARMONICAS

SPEAR BRAND



Assortment consists of 12 Harmonicas assorted 4 each of 3 different styles and keys. Each instrument has 10 single holes, 20 reeds mounted on brassed plates.

Per Ass't
No. 4—Wt per ass't 1⅜ lbs **$2 55**
One ass't in counter display box.

HOTZ, Assortment.

Happy Day

Assortment consists of twelve Harmonicas of different styles and six different keys, neatly arranged in a counter display box.
Scales A, B, C, D, E, F, G.

Per Ass't
No. 019—Consists of one doz Harmonicas to retail at 25 cents each..... **$5 70**
One doz in counter display box; wt per doz 2 lbs

AMERICAN ACE ASSORTMENTS

10 single holes; 10 reeds; brass plates, nickel plated covers.

Per Doz
No. 015—Length 3⅝ ins.. **$5 85**
Half doz in cardboard counter display box; wt per doz 2 lbs.

MUSIC BOX ASSORTMENTS

10 Single holes; 10 reeds; brass plates; nickel plated covers. Per Doz
No. 017—Length 3⅜ ins..... **$6 45**
Half doz in cardboard counter display box; wt per doz 2 lbs.

TOY BALLOONS

ASSORTMENT

Assortment is furnished in an attractive display box; assorted colors and sizes; window display poster furnished with each assortment.

Per Ass't

No. 5C Consists of 144 pieces, 36 of each number; wt per ass't 1 lbs; (Retail Value $7 20) $12 00
No. 10C—Consists of 72 pieces, 18 of each number; wt per ass't 2 lbs. (Retail Value $7 20) 14 25
One ass't in cardboard box.

MUTT AND JEFF ASSORTMENT

Assortment consists of one gross of round balloons finished in attractive colors. Each balloon has a cartoon of Mutt and Jeff stamped on it. Four subjects of cartoons to an assortment.

Per Gro

No. 15—Wt per ass't 1 lb $15 00
One ass't in cardboard box.

TOY HORNS

TRUMPETS

Tin nickel plated heavy bell, chenille trimmings. Recall voice.

Per Doz

No. M5—Length over all 8½ ins $2 40
One doz in cardboard box; wt per doz 1½ lbs

Tin nickal plated, heavy bell, chenille trimmings with tassel. Recall voice.

Per Doz

No. M15—Length over all 13 ins $6 00
One doz in cardboard box; wt per doz 2½ lbs.

Tin, nickel plated, round horn shape with chenille trimmings and tassels. Recall voice.

Per Doz

No. M10—Diam 10 ins $6 75
One doz in cardboard box; wt per doz 3¼ lbs.

CORNET

Tin, nickel plated. Four keys.

Per Doz

No. M4 Length over all 8½ ins $12 75
One doz in cardboard box; wt per doz 2½ lbs

HARMONICAS

HOHNER, "The Old Standby."
Scales A, B, C, D, E, F, G.

10 single holes; 20 reeds; brass plates, nickel plated covers.

Per Doz

No. 34B—Length 4 ins; wt per doz 2 lbs $12 00
One in hinged box.

HOHNER, "The Old Favorite."

10 double holes; 20 reeds; brass plates; nickel plated covers.

Per Doz

No. 50B—Length 4 ins; wt per doz 2 lbs $12 00
One in hinged box.

HOHNER, "Marine Band."

10 single holes; 20 reeds; brass plates; nickel plated covers.

Per Doz

No. 1896—Length 4 ins; wt per doz 2 lbs $13 05
One in hinged box.

HOHNER, "The Echo."

16 double hole; 32 reeds; nickel plated covers with turned in ends.

Per Doz

No. 605—Length 5 ins; wt per doz 3½ lbs $15 75
One in hinged box.

HOHNER, "Up-to-Date."

10 double holes; 20 reeds; brass plates; nickel plated covers.

Per Doz

No. 1896½—Length 4 ins; wt per doz 4 lbs $18 75
One in hinged box.

HOHNER, "The Chimes."

12 double holes; 24 reeds; brass plates; nickel plated covers.

Per Doz

No. 59—Length 4 ins; wt per doz 4 lbs $24 00
One in hinged box.

HOHNER, "Full Concert Harp."

10 double holes; 40 reeds; brass plates; nickel plated covers.

Per Doz

No. 3CND—Length 4 ins; wt per doz 2½ lbs $19 50
One in hinged box.

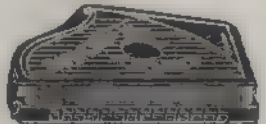
HOHNER, "Echo".

16 double holes; 64 reeds; brass plates; nickel plated covers.

Per Doz

No. 606—Length 4 ins; wt per doz 3 lbs $31 50
One in hinged box.

HOHNER, "Harmonetta."



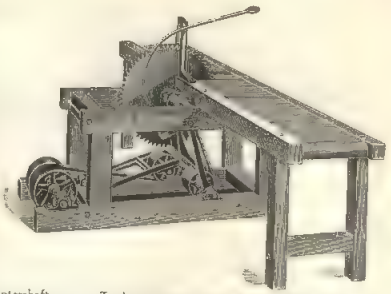
14 double holes; 28 reeds; brass plates; nickel plated covers.

Per Doz

No. 3101—Length 4¾ ins; wt per doz 3¾ lbs $26 25
One in telescope container.

New Model Cut-Off Saw

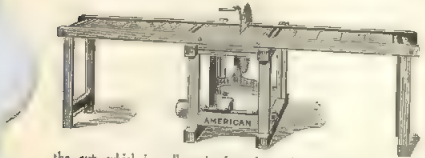
No. 2920



Our new model Cut Off Saw Table is a heavier and more powerful machine than our Perfection. It is for use in Saw and Planing Mills or any woodworking establishment and will handle any lumber from boards up to dimension stock 6" x 14".

The frame is made of seasoned timber accurately framed and strongly bolted together. The table is 20" wide, 12' long, fitted with four 4" rolls and a substantial guide rail at rear to insure rapid, easy handling and accurate sawing. The Mandrel is steel, runs in babbitted boxes in a substantial cast iron swinging frame which is drawn forward by strong iron handle. The Countershaft is placed well back at rear of frame allowing the use of a long drive belt which is kept tight by means of an idler pulley in an iron frame. This prevents the belt from slipping and insures a strong, positive drive to the saw. Any size saw can be used from 18" to 32".

Timbers in main frame $3\frac{1}{2}$" x $5\frac{1}{2}$". Timbers in table frame $3\frac{1}{2}$" x $3\frac{1}{2}$". Mandrel $1\frac{1}{4}$", fitted for saws with $1\frac{1}{4}$" hole Mandrel pulley, 4" x 6". Size of saw furnished, 30" Pulley on countershaft, 12" x 6", speed 350 r p m. Floor space required, 12' x 6' Weight, 900 lbs.



"Perfection" Cut-Off Saw

No 2921

Every Saw Mill or Planing Mill must have a Cut-Off Saw. In many places a Table Cut-Off Saw is handier than a Swing Saw To meet the demand for a low priced, yet GOOD machine, we offer our "Perfection" Cut-Off Saw shown in the cut, which is well made throughout of best materials and workmanship.

The frame is strongly bolted together the table is 20" wide and 10' long being fitted with four 3" idle rolls and a guide rail at the rear providing for easy and accurate cutting

The mandrel is steel, runs in babbitted boxes and is carried in a strong, solid cast iron swinging frame which is trunnioned to the countershaft below thus insuring rigidity and durability Any size saw can be used from 18" up to 24".

Timbers in main frame $3\frac{1}{2}$" x $3\frac{1}{2}$".
Timbers in table frame 2" x 4".
Mandrel (steel) $1\frac{1}{4}$" for saws with $1\frac{1}{4}$" hole
Mandrel pulley, 4" x 4".

Size of saw furnished, 20".
Pulley on countershaft 6' x 6", speed, 700 revolutions.
Floor space required, 4' x 10'.
Weight, 460 lbs

Combined Lath Mill and Bolter

No. 2922

Capacity, 30,000 to 50,000 Lath per day
Less Than Two Days' Work Pays For A Machine

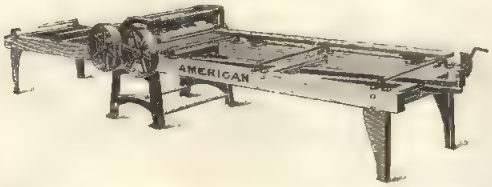
Best Lath Mill, Bolter, Slat and Picket Machine on the market. Heavy Steel Mandrels.

Powerful Feed Rolls top and bottom, all driven by sprockets. Easy adjustment. Handy Stop Lever. 3 to 6 Lath Saws, as desired.

Cuts Lath, Slats or Crate Stock any width from $\frac{1}{2}$" to 3 inches of any thickness up to 3". Also small dimension stock from $\frac{1}{2}$" x $\frac{1}{2}$" to 3 x 3 inches.

"Junior" Gang Edger 33 Inch

No. 2917



Make with Single or Double Pressure Rolls. Right or Left Hand. For Mills Having a Capacity of 15,000 to 30,000 feet Board Lumber per day.

Made with two or three 16" saws, solid or inserted tooth. All working parts carried by the strong iron central section which is self-contained and independent of the extensions.

Feed Rolls are 3" fluted and grooved and strongly driven. Guide is easily and quickly set. Saws easily adjusted by levers from operating end and securely held in position.

Steel mandrel 1 11/16" with babbitted boxes. Driving pulley, 10" diameter, 8" face; speed about 1,500 revolutions per minute. Extreme length and width, 18' 3" by 47". Extreme width between guides, 33". Weight, double roll machine, about 1,600 lbs.

"Senior" Gang Edger 46 Inch

No. 2918

For large mills cutting 30,000 to 60,000 feet or more per day.

This is a heavy, powerful Edger, made throughout in the most thorough manner. It is intended for mills cutting from 30,000 to 60,000 feet per day. It is 46" wide between housings, and will work stock up to 4" thick. Mandrel is 2 11/16" with 10" x 10" pulley, and is fitted with three or four saws 16" diameter. Machine is 22' long and 6' 6" wide over all, and weighs 2,800 lbs.

Extreme distance between tight saw and inside adjustable saw, 30".

Extreme distance between tight saw and outside adjustable saw, 38".

Smallest distance between tight saw and adjustable saw, 2".

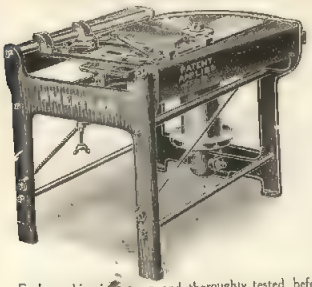
Smallest distance between adjustable saws, 4".

Junior Two-Saw One-Man Trimmer

No. 2919

Our Two-Saw Lumber Trimmer is made of best material and workmanship, and possesses many valuable improvements not found in any other Trimmer. Shifting device is operated by crank, and the indicator is in plain view of the operator. Mandrel is steel, 1 15/16" diameter, having four adjustable self-oiling boxes. Mandrel pulley 8" x 8" placed at either end as preferred. Each machine is furnished with two 18" saws, and is knocked down and crated for shipment. Made in four sizes and lengths:

6 to 16 feet, weight—2,250 lbs. 6 to 18 feet, weight 2,300 lbs. 6 to 20 feet, weight —2,400 lbs. 6 to 24 feet, weight—2,600 lbs.



"Crown" Shingle Machine

No. 2923

Our Crown Machine cuts 16" to 18" shingles and carries a 30" to 36" saw. The Frame is composed entirely of iron and steel, the two upper rods forming the carriage ways.

The Arbor is 1 5/8" in diameter, and runs in self-oiling, self-adjusting boxes. The Carriage is constructed of steel and wood, making it very strong as well as light. It runs on polished steel guides, and is constantly lubricated by oil pockets cast in same. Cast steel dogs, backed up by hard wood strips, hold the shingle blocks and allow the stock to be worked up with the least possible waste.

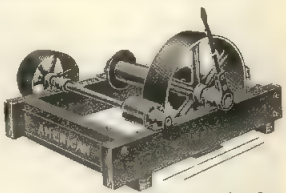
The Tilt Works are adjustable in each direction, securing thereby a fine adjustment for different thickness of shingles. This machine is furnished with balance wheel pulley.

Each machine is set up and thoroughly tested before shipping, insuring proper adjustment of all parts. Capacity, 10,000 to 20,000 shingles per day. Weight, 600 lbs.

Friction Log Hauls

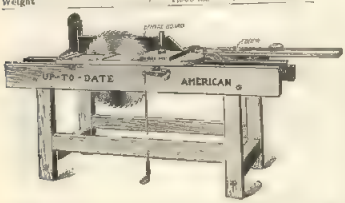
These machines are strong, reliable, easily managed, and save labor and hard lifting. We can furnish the iron parts only or the complete machines as shown. Made in two sizes. Furnished complete, or iron parts only, as desired.

	No. 2925-1	No. 2924-2
Frame	4'x5 3"	5' 3"x7' 3"
Bull Wheel	32"x5"	48 x1 ½"
Friction	6"x8	10 x10"
Drum	24"x8"	26 x6
Flanges	12"	18"
Drive Pulley	16"x8"	20" x10"
Speed	200 R.P.M	250 R.P.M
Weight	1,000 lbs	1,800 lbs



Up-to-date Power Feed Shingle Machine

No. 2924



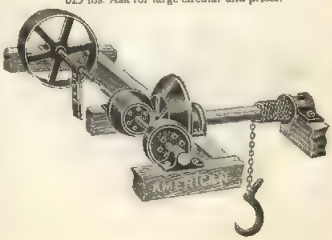
A reliable low priced machine. Just right for small mills, farmers and others having light power who want to make a few thousand shingles a day. Makes a perfect shingle any length from 16" to 24". Has knot saw and edger for edging or jointing the shingles when made from round or split stock. Makes heading or crate slats. By removing the Tilt Frame at rear of carriage it can be used for Bolting and other kinds of sawing. Steel mandrel 1 5/8", Shingle Saw, 24". Edger Saw, 8". Weight, 625 lbs. Ask for large circular and prices.

Friction Log Turner or Canter

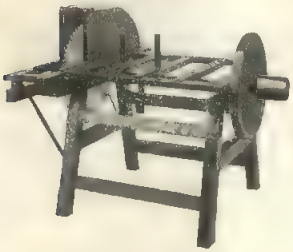
This log turner is the well-known type which has proven so satisfactory to mill men everywhere. It is simple and easy to operate, yet strong and absolutely reliable. It should be erected directly over the carriage with the drum parallel thereto. Self-oding bearings are furnished, but chain and hook are extra.

Furnished in two sizes as follows

	No. 2926 1	No. 2926-2
Driving pulley	24" x6	24 x8"
Driving shaft	1 7/8	2 7/8
Paper friction cones	8 x5"	10 x1"
Bevel iron friction	24 x5	30 x1
Drum with 10" flanges	24 x1	30 x6
Weight	600 lbs	750 lbs



Saw Frames



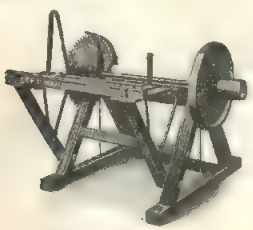
Sliding Table Saw Frame (Left Hand)

These Saw Frames are made of hardwood, well braced and painted. As will be seen from the following specifications, they are high grade, durable machines suitable for use with Type "Z" oil or gasoline engines.

The mandrels are of 1½" cold rolled steel, grooved at the bearings to prevent end play and running in heavy babbitted bearings. These frames will accommodate saws from 20" to 30" in diameter with 1⅜" arbor hole. The arbor flanges are 5" in diameter. Right hand cut is regularly furnished, but left hand cut can be furnished without extra charge. The driving pulley on each is 5" diameter with 6" crown face. The balance wheel weighs 95 pounds. All saw frames are shipped "knocked down," with full instructions how to set up and operate. Saws are not regularly included with the frames.

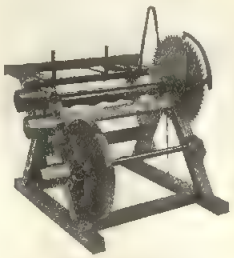
No. 2927-21—Sliding Table Saw Frame, weight, 360 lbs.

No. 2927-23—Tilting Table Saw Frame, weight, 310 lbs.



Tilting Table Saw Frame (Left Hand)

Pole Saw Frame



Pole Saw Frame (Left Hand)

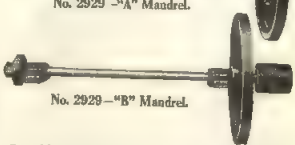
This frame is built especially for sawing long poles or fence rails, although it saws cord wood equally as well. The balance wheel is hung under the frame out of the way of the table. Upper shaft is 49" long and lower shaft 45" long. Will take saws 20" to 30" diameter; arbor 1⅜"; 95 lb. balance wheel; three 5" x 6" pulleys. Right hand cut always furnished unless otherwise ordered.

No. 2928-22—Weight, 400 lbs

Special—Balance wheels, different from ones regularly furnished, can be furnished to order direct from factory; 60 lb., 75 lb., 95 lb. or 125 lb. balance wheels for any of the above frames, or for saw mandrels shown on page 657.

Saw Mandrels

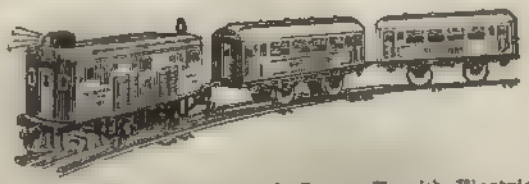
No. 2929 –"A" Mandrel.



No. 2929—"B" Mandrel.

In addition to the frames listed, we furnish a saw mandrel, designed to be bolted on rear end of the frame mounted on trucks and used in connection with an engine. This outfit consists of main shaft 1½" cold rolled steel, 49" long, one end fitted with 1⅜" arbor with 5½" flanges, the other end fitted with a pulley 5" in diameter and 6" crown face, and a 95-pound balance wheel. Babbitted boxes are furnished, suitable for bolting to timbers. Furnished in two styles, as shown in cuts. Both the same price. Always specify whether Style "A" or "B" is wanted.

American Flyer Electric Trains

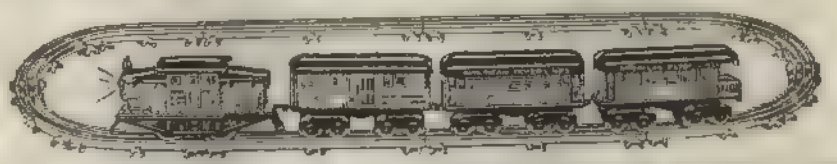


Mfrs. No. 1102. (No. 0 Gauge Track) Electric Type Locomotive No. 1096 with headlight, length 6¾ inches; two No. 1120 Pullman Cars, length 5½ inches each, length of train 21 inches; eight pieces of track, including track terminal and track binding clips; length of track 82 inches. Rheostat is not included with outfit

Each Set Packed Complete in Box
No. 39N124 Per Set 3.85

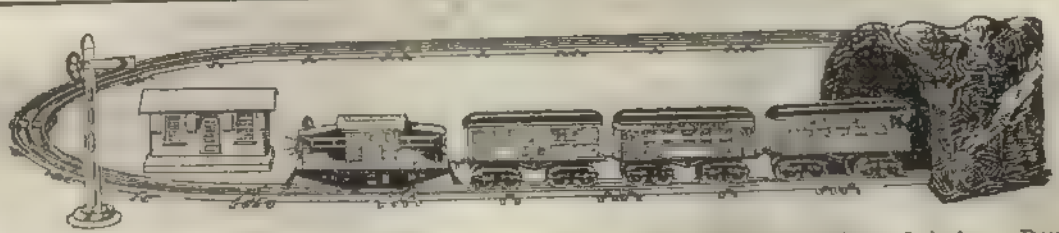
Transformer Mfrs. No. 1250. Capacity 75 watts for use with alternating current only, 110 volt 60 cycle primary secondary voltage 5½, 6, 6½ 7 7½, 8, 8½, 9, 9½, 10 10½, 11, 11½, 12, 12½ 13, 13½, 14. Transformer is positively air cooled; does not have any pitch to melt and burn a child or run a carpet in case transformer becomes overheated. Suitable for operating most any type of electrical train or other electrical toys without the use of rheostat.

Each in Box
No. 39N127 Per Piece 1.50



Mfrs. No. 1217. (No. 0 Gauge Track.) Heavy pressed steel engine with headlight, 8 inches. Baggage car with sliding doors, passenger car and observation car. These double truck cars with disappearing couplers, length 6½ inches. 8 pieces curved, 4 pieces straight track. Train complete including track terminal connection and track binding clips. Length of train 81 inches. Length of track 122 inches. Rheostat is not included with outfit.

Each Set Packed Complete in Box.
No. 39N125 Per Set 6.00



Mfrs No 1221 (No 0 Gauge Track) Heavy pressed steel engine with headlight, 8 inches. Double truck cars with disappearing couplers, 6½ inches. Baggage car has sliding doors, passenger car and observation car have interior electric lights, No. 2011 Semaphore, No. 90 Station 6 nches, No. 83 Tunnel, 14 inches, No. 122 Mail Bag Set. 8 pieces curved track, 6 pieces straight track. Train complete including track terminal connection and track binding clips. Length of train 31 inches length of track 142 inches. Rheostat is not included with outfit.

Each Set Packed Complete in Box.
39N126 Per Set 8.00

ERECTOR "The Worlds Greatest Construction Toy"

Erector Set No. 1

Set contains 104 parts and Book of Instructions. Builds 278 models. Size, 12½x8¼x⅞.

No. 50N69. Per dozen **7.24**

Erector Set No. 3

Contains 169 parts and Book of Instructions. Builds 381 models. Size 18¼x1⅛x1¼.

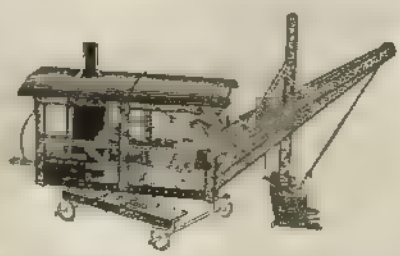
No. 50N70. Per set..... .. . . **1.98**

Erector Set No. 4

The set that made "ERECTOR" famous. Contains 282 parts and Book of Instructions. Contains Powerful Electric Motor. Builds 500 models. Size, 18¼x10⅛x3⅛ inches.

No. 50N71. Per set..... **3.28**

Erector Set No. 7



Feature Set. Contains 473 Parts and Book of Instructions. Has Powerful Electric Motor. Builds 533 models. Stained and varnished wooden box with brass side grips and suit case catches. Size, 21½x8½x3¾ inches.

No. 50N72. Per set **6.54**

Bilt-E-Z The Boy Builder

A Toy Very Famous and Noted for its many constructive features, very popular and a very big selling item. The boy or girl can easily construct a copy of your own home or a world famous sky-scraper, and many other toys that they can make will entertain and fascinate them. Only the finest materials have gone in the making of this Toy, they are all chemically treated, which makes them absolutely sanitary. All parts beautifully finished in white gray and red hard baked enamel. No screws bolts or nuts used. Each set packed nicely in partitioned leatherette covered strong cardboard box

No. 50N73.	**No. 50N74.**	**No. 50N75.**	**No. 50N76.**
Contains 70 parts, 14 floors 25 windows, 10 walls, 10 friction pieces, 10 cornices, 1 balcony. Packed each in box. ¼ dozen boxes in package.	Contains 146 parts, 30 floors, 42 windows, 22 Walls, 29 friction pieces, 18 cornices, 2 balconies, 4 doors. Packed each in box.	Contains 248 parts, 44 floors, 62 windows, 30 walls, 90 friction pieces, 20 cornices, 2 balconies. Packed each in box.	Contains 331 parts, 70 floors, 90 windows, 32 walls, 100 friction pieces, 33 cornices and 3 balconies. Packed each set in box.
Per doz... **7.85**	Each **1.24**	Each **2.20**	Each..... **3.19**

DOLLS

Butler dolls sell all the year around because every number stands the double test—quality to create sales—price to return a good retail profit

IMPORTED CELLULOID DOLLS

2F9601 12 style novelties, 2½ in. high boys and girls, painted costumes and features. Assid. in doz. box
Gro $2.60 Doz 32c

Standing position, jointed arms and flexible composition painted head, one and ha r red bond ed head
2F9438—4 in. high.
1 doz. in box Doz 36c
Gro $3.90
2F9433—5 in. high.
1 doz. in box Doz 75c
Gro $8.50

Sitting position, jointed arms and legs, painted features and hair
2F9428—3½ in. high
2 doz. in box Doz 37c
Gro $4.00
2F9423—5 in. high.
1 doz. in box Doz 75c
Gro $8.50

2F9337—6 in. high, standing position, painted features and hair, jointed arms.
1 doz. in box . . Doz 87c

IMPORTED CHINA DOLLS

2F9648—4½ in. high, flesh color china, painted features and hair, full jointed 1 doz. in box Doz 32c
Gro $3.60

Flesh color china, mohair wig, painted features, jointed arms and legs, shoes and stockings 1 doz. in box
2F9645—4½ in high.
Gro $4.25 Doz 38c
2F9650—5½ in high.
Gro $9.00 Doz 78c

2F9636—2 styles, boys and girls, 5½ in. high flesh color china, painted features and hair, jointed arms 4style
2 doz. in box Doz 40c
Gro $4.60

2F9404—5½ in. high, painted curly hair, jointed arms.
1 doz. in box Doz 80c
Gro $9.00

IMPORTED BABY DOLLS IN BATH TUBS

Bisque china dolls, sitting position, white china bath tub, gilded rim.
1 doz. in box
2F9786—2 in doll 2½ in. tub
Doz 36c
Gro $4.00
2F9787 3.4 in doll, 3 in tub
Doz 75c
Gro $8.50

Imported China Limb Dolls

Made, packed and shipped under the eyes of our resident buyer in the district where the best china limb dolls are produced. COMPARE the materials, construction and PRICES.

China head, breast plate, forearms and legs, sawdust stuffed stems, muslin body, painted features, hair and footwear.

	Height In.	Per	Gro	Doz
2F9471 – 7	1doz	$7.75	$0.69	
2F9472– 8	1 "	9.00	.80	
2F9475– 12½	½ "		1.90	

IMPORTED NOVELTY COMPOSITION DOLLS

Flesh tinted composition bodys painted features, jointed arms. The smaller sizes can be used for favors.

"Chubby Buds"– 2 styles, painted hair and features, assorted boys and girls, with painted eyes, also hair bows. 1 doz in box
2F6788—4½ in. high.
Doz 39c
2F6789—5¼ in. high.
Doz 72c

2F6784 – "Playmate," 2 styles, 5 in high bisca and brunette curly wig, bobbed mohair wigs, jointed arms, gingham dresses, cloth trim, assorted 6 in box
1 doz in pkg Doz 80c

2F6785 – "Coquette," 2 styles, 4¾ in high, tosca and brunette curly wigs with ribbon bows, colored wide silk ribbon sashes, assorted 6 in box.
1 doz in pkg . . Doz 96c

2F6775 – "The Flirt," 4 in high, regular expression, tosca and brunette curly wigs with ribbons, colored silk ballet dresses, assorted 6 in box.
1 doz. in pkg Doz 98c

DOLLY'S BATH SET

2F9418 – 3 in white enameled bath tub, 2¾ in celluloid baby doll, 3 in wash rag, sponge, 1 doz sets in pkg . . . Doz sets 72c

FINE QUALITY IMPORTED BISQUE DOLLS

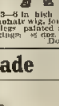
Flesh tinted bodies, painted features.

2F6740—8¾ in. high, painted hair, jointed arms and legs.
1 doz. in box. Doz 72c

2F6725 4½ in high assorted boys and girls, painted hair, shoes and stockings, jointed arms and legs. 1 doz in box.
Gro $3.00 Doz 75c

2F6720—"Baby Petite," 3½ in. high, bisque body, jointed arms, painted hair, shoes and stockings lace and silk dresses. 1 doz in box
Gro $3.25 Doz 80c

2F6742—6 in. high, standing doll, painted hair and ribbon bow jointed arms 1 doz. in box . . . Doz 80c



2F6733—6 in high long toga, mohair wig, jointed arms and legs painted shoes and stockings, 6 sets in box
Doz $1.50

"LITTLE TOTS" SOFT BODY DOLL

1F6250—9 in high, stuffed body sanitary and unbreakable. A dance syndicate storage seller 1 doz in box.
Doz 84c

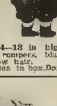
BEAD DOLL

1F2955—4½ in high, turned hardwood heads, varnished red, nasturtium and purple finishes on waxed string with loop ends
3 doz in box. Doz 85c

"TINKER" BEAD DOLL

1F3627 "Tom Tinker" 7½ in high hardwood balls, flesh color head, purple body, red green and yellow arms, black, red, green and yellow legs. Each in box 1 doz in case
Doz $4.80

"SKEEZIX" BABY



1F4074—13 in high, bright red rompers, black shoes, yellow hair.
½ doz in box. Doz $8.50

UNBREAKABLE DOLLS

1F5025—About 12 in high composition head with breast plate painted features and hair, high and shoulder jointed well stuffed body. Two styles—one with percale dress, other with percale rompers, braid and lace trim.
Assid 1 doz in box. Doz $1.95

"MAMA" Dolls—American Made

The most sensational sellers of the entire doll line—in big demand the year 'round. Composition heads with breast plates and composition forearms, painted features, cotton stuffed bodies, smartly sewed. All with loud "Mama" voices except 1F5049 which has a crying voice.

1F5049—13 in. high, full composition arms, painted hair, strong crying voice, dressed in assorted percale rompers
½ doz. in box Doz $4.20

STAR VALUE

1F5046—18 in high. Four styles of dresses, crepe imitation linon organdie and printed percale, lace and lawn trims, bonnets to match, socks and shoes to slippers. Assid ½ doz in box Doz $8.50

1F5070—20 in. high, mohair wig, composition lower limbs. Assorted color organdie, pastie dress with contrasting ruffled bottoms, lace trimmed neck, sleeves, panties and ruffled bottoms, bonnet to match with ribbon rosettes and tie-strings, socks and slippers.
6 doz. in pkg. . . Doz $18.00

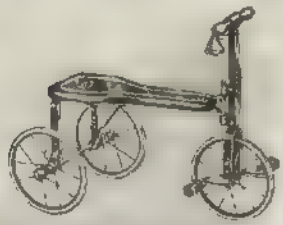
1F4906—27 in high, large size life-like head, full composition arms. Checked percale romper dress with white organdie trimmed neck cuffs and skirt, bloomers with organdie cuffed bottoms, matched lace trimmed poke bonnet, socks and imitation slippers
½ doz. in box Doz $18.00

OUR TERMS

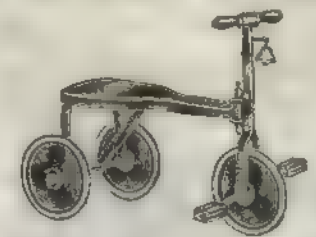
2% 10 Days
1% 30 DAYS
Net 60 Days

"AMERICAN-NATIONAL" PEDAL BIKES

Black enameled steel frame and front fork, substantially braced, red enameled hardwood seats with yellow stripe, nickeled hub caps, each with bell.



1F239—Mfrs 1900. 24 in. long, 19 in. high, diamond shaped steel frame, 16 in. long, handle bars, red enameled handle bar grips, 24 in. wheels, 1 and 2 in. rubber tires. 2 in carton, 40 lbs. Each **$2.10**



1F240—(Mfrs 150) 24 in. long, 18 to 19 in. high, diamond shaped steel frame, 16 in. long, handle bars, red enameled handle bar grips, 24 in. double disc wheels, 2¼ in. rubber tires. 3 in carton, 79 lbs. Each **$3.15**

1F242—(Mfrs 3000) 22 in. long, 16 to 18 in. high, 8 in. front wheel, 7 in. rear wheels, 1¾ in. rubber tires. 2 in carton, 18 lbs. Each **$2.40**

1F244—Mfrs 3007. 26 in. long, 20 to 22 in. high, 10 in. front wheel, 8 in. rear wheels, 1¾ in. rubber tires. 2 in carton, 30 lbs. Each **$2.95**

1F245—Mfrs 6072. 26 in. long, 22 to 24 in. high, red enameled disc wheels, 1¾ in. front wheel, 3 in. rear wheels, 1¾ in. rubber tires, nickel plated hub caps. 2 in crate, 46 lbs. Each **$3.60**

"OVERLAND" PEDAL BIKES

Blue enameled heavy steel frames, adjustable handle bars, stained wood grips with ferrules, red enameled seat boards, each with bell.

"CLIPPER" RUBBER TIRED VELOCIPEDES

1F167-86

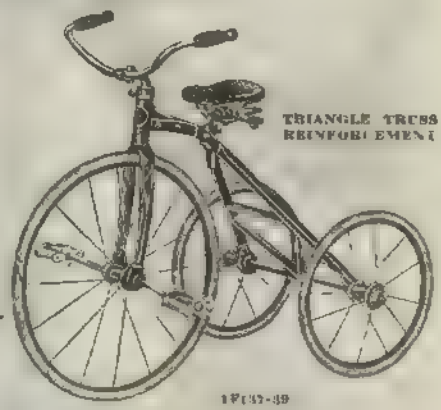
Half oval steel frame. Black enameled, red enameled wheels, 1 in. front, 1¼ in. rear rubber tires, one piece fork, adjustable spring saddle, handle bars with wood grips, steel pedals.

	Mfrs.	Wheels	Size	In crate	Wt	Each
1F167	-OR	14 and 9 in.	Under 3 yrs.	3	40 lbs	$2.25
1F168	1R	16	3 to 5 yrs.	3	48 "	2.55
1F164	R	20	4 " 6 "	3	52 "	2.85
1F165	8R	24	6 " 8 "	3	60 "	3.40

1F166 Assortment, one 1F167, two 1F168 and one 1F165. 9 in crate, 165 lbs. ASSTD 4 pcs **$10.20**

Half oval steel frame with **TRIANGLE TRUSS**, Indian red enameled, gold line striped, 20 in. rubber tires, nickel plated hub caps, with side enameled panel handle bars, rubber bike grips, padded seat, oval saddle with rubber pedals. 1 in crate, about 60 lbs.

	Mfrs.	Wheels	Size	Each
1F137	1R	16 and 9 in.	3 to 5 yrs.	$5.50
1F138	2R	20 " 4 "	4 " 6 "	6.00
1F139	3R	24 " 5 "	5 " 7 "	6.50



TRIANGLE TRUSS REINFORCEMENT

1F137-39

BALL BEARING VELOCIPEDES

"SAMPSON TRUSS" AND BRACE

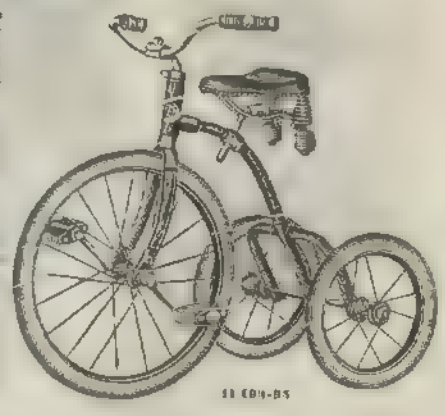
1F175-77

Half Oval Steel Frame—Red enameled, gold striped, with "Sampson" truss and brace, maroon enameled wheels, 1 in. front, 1¼ in. rear rubber tires, nickel plated hub caps, with side enameled panel handle bars, ball bearing pedals, oval saddle, adjustable nickel plated handle bar grips, steel pedals, drop forged rear fork, ball bearing head. 1 in crate, about 55 lbs.

	Mfrs.	Wheels	Size	Each
1F175	1	16 and 9 in.	3 to 5 yrs.	$8.25
1F176	2	20 " 4 "	4 " 6 "	9.60
1F177	3	24 " 5 "	5 " 7 "	11.00

Tubular Steel Frame—Bright red enameled, gold striped, all parts nickel plated, 16 in. rubber tires, pressed steel spokes, 2 in. nickel plated rubber tires, pressed steel saddle, nickel plated drop forged frame, adjustable handle bars, rubber nickel plated grips, solid rubber pedals. 1 in crate, about 45 lbs.

	Mfrs.	Wheels	Size	Each
1F193	1	16 and 10 in.	3 to 5 yrs.	$8.90
1F194	2	20 " 14 "	4 " 6 "	11.40
1F195	3	24 " 16 "	5 " 7 "	13.50



1F193-95

"AMERICAN-NATIONAL" AUTOS

These are the cars that up-to-date youngsters demand. Your business in this line is not only EASY TO GET but it is very PROFITABLE.

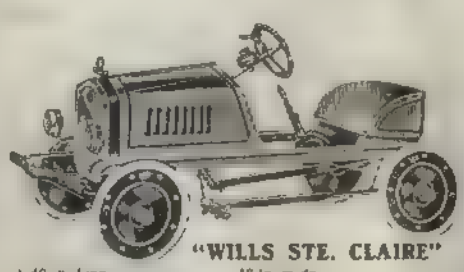
"ACE"

30 in. long, 14 in. wide, 10 in. spoke wheels, 2 in. rubber tires, Red body with red and black stripe.

EQUIPMENT

Motor meter, Gas control lever, Bumper

1F449—Mfrs. 4508) 1 in crate, 75 lbs. Each **$5.00**



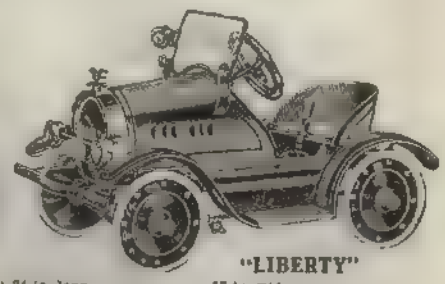
"WILLS STE. CLAIRE"

40 in. long, 18 in. wide, 16 in. steel wheels, ½ in. rubber tires, Red body, black and yellow striped.

EQUIPMENT

Screecher signal, Rocker pedals, Gear shift, Instrument board, Oil can, Road lamps

1F453—Mfrs. 465 D) 1 in crate, 90 lbs. Each **$9.50**



"LIBERTY"

34 in. long, 18 in. wide, 10 in. disc wheels, ½ in. rubber tires, Tan body, red wheels, brown and yellow striped.

EQUIPMENT—

Upholstered seat, Gear shift operating Stop and Slow signals, Tilting steering wheel, Road lamps, Screecher signal, Spot light, Rocker pedals, Rubber pedals

1F457—(Mfrs. 4515D) 1 in crate, 85 lbs. Each **$14.00**

OUR TERMS: 2% Ten Days 1% 30 Days Net 60 Days

BABY CARRIAGES

A famous line. Just compare these prices

Lloyd's — "LLOYD-LOOM" WOVEN PULLMAN SLEEPERS

Loom-woven fiber bodies, water-proof and warp-proof. The ooms woven fiber construction is free from loose ends and other defects often found in hand weaving. Adjustable backs and hoods, strong steel springs, rubber tired wheels, nickel plated hub caps and downward push foot brake.

Length of body with back reclining 35 in., width 15 in., full roomy body and hood, padded seat and back, gears 13 in. wheels, rubber tires, nickel plated hubs.

1F1050	Mfrs. 8001	Ivory finish	Each
1F1051	8002	Gray finish	$14.00
1F1052—	8000	Dark blue finish	
1F1053—	8003	Mahogany finish	

Length of body with back reclining 35 in., width 15 in., fancy roomy body and hood, padded seat and back, gears 13 in. wheels, rubber tires, nickel plated hubs, reversible gear, 12 in. wheels, 1¼ in. rubber tires, nickel plated hubs.

1F1060	Mfrs. 8014A	Ivory finish	Each
1F1061	8014A	Gray finish	$21.00
1F1062—	8014A	Dark blue finish...	

Length of body with back reclining 35 in., width 15 in., fancy roomy body and hood, padded seat and back, gears 13 in. wheels, rubber tires, nickel plated hubs, reversible gear, 12 in. wheels, 1¼ in. rubber tires, nickel plated hubs.

1F1056—	Mfrs. 8001A	Ivory finish	Each
1F1057	8002A	Dark blue finish	$18.50
1F1058—	8003A	Light tan finish	

Length of body with back reclining 35 in., width 15 in., fancy roomy body and hood, padded seat and back, gears 13 in. wheels, rubber tires, nickel plated hubs, reversible gear, 12 in. wheels, 1¼ in. rubber tires, nickel plated hubs.

1F1074	Mfrs. 8900A	Ivory finish	Each $26.00
1F1075	8900A	Frosted blue finish	27.00

Sidway — LOOM WOVEN PULLMAN SLEEPERS

Loom-woven fiber bodies, adjustable backs and hoods, glass vision hoods, rear storm curtains, spring seats, full swivel springs, ⅝ in. continuous steel pushers, full length corduroy lined bodies and hoods, padded sides, reversible gears, 14 in. wheels, 1½ in. rubber tires, nickel plated hub caps, foot brakes.

Length of body 34 in., with back reclining 37 in., width 15 in., 14 in. seat, 36 in.

1F1080—(Mfrs. 5448)	Ivory finish	Each	$25.00
1F1081—(" 5448)	Frosted blue finish	"	28.00

Length of body 34 in., with back reclining 38 in., width 15 in., 14 in. seat, 36 in.

1F864	Mfrs. 5447	Ivory finish	Each
1F865	5447	Blue finish	$29.00
1F866	5447	Gray finish	

TWO SPECIAL VALUES — "Lloyd-Loom" Pullman Sleepers — LOOM WOVEN FIBER

Length of body with back reclining 35 in., width 15 in., 14 in. seat, full length of body with hood, reversible gear, 13 in. wheels, rubber tires, nickel plated hubs, foot brake, 11 in. wheels, rubber tires, nickel plated hubs.

1F1065 — Mfrs. 8858A Ivory finish.

1F1066 — Mfrs. 8858A Dark blue finish

Each **$23.50**

Length of body with back reclining 35 in., width 14 in., full length of body with hood, reversible gear, 13 in. wheels, rubber tires, nickel plated hubs, foot brake, 11 in. wheels, rubber tires, nickel plated hubs.

1F1040	Mfr. 942A	Ivory finish
1F1041	Mfrs. 942A	Blue finish
1F1042	Mfrs. 942A	Gray finish.

Each **$26.00**

AMERICAN NATIONAL JUVENILE AUTOMOBILES

Distinctive and original models and supreme values in children's autos, built by a factory with a reputation second to none for quality, durability, workmanship, up-to-the-minute designs, and attractive finishes, the best and most ready sellers in the entire lines of juvenile vehicles.

ACE

T7073—Ace, length over all 35 in.; red with yellow front and striping 10 in. double spoke wire wheels, with ½ in. rubber tires; knuckle joint steering gear, with underslung front axle; cast steering wheel, gas control lever, motor meter, bumper, nickeled hub caps; each in crate. Each 4.95

DURANT

T7074—Durant; length over all 36 ins.; red with black and yellow striping; 10 in. double disc wheels, ½ in. rubber tires, steel front radiator, motor meter, cast steering wheel, bumper, steel seat and pedals; each in crate. Each 6.20

REO

T7078—Reo; length over all 35 ins., brown with striping; 10 in. double spoke wire wheels, ½ in. rubber tires; knuckle joint steering wheel, underslung axle; cast steering wheel, motor meter, oil can with holder, rubber pedals, nickeled hub caps; each to crate. Each....6.75

VELIE

T7080—Velie; length over all 35 ins.; yellow front, frame and seat, red hood; 10 in. double disc plain bearing wheels, ½ in rubber tires, knuckle joint steering gear with underslung front axle; cast wheel with gas control lever, rubber pedals, motor meter, bumper and nickeled hub caps. Each 6.89

ESSEX

T7083—Essex; length over all 39 ins.; gray, red panel and vents, black striping, 10 in. double disc wheels ½ in. rubber tires; cast steering wheel, gas control, motor meter, steel front radiator, and seat, gas tank; bumper, rubber pedals, oil can and oil. Each 7.80

HUPMOBILE

T7085—Hupmobile; length over all 38 ins.; royal blue with yellow striping; 10 in. double disc wheels, ½ in. rubber tires; cast steering wheel, ratchet spark control, adjustable windshield, motor meter, steel front and seat, fenders, rooter pedals. Each 9.90

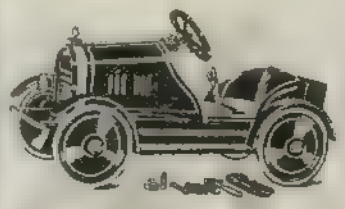
WILLS STE CLAIRE

T7086—Wills Ste. Claire; length over all 47 ins.; blue, light blue decorations and striping; 10 in. double disc wheels, ⅝ in. rubber tires; composition steering wheel; rooter horn; motor meter; instrument board; steel front radiator and seat; metal road lamps; bumper; gear shift; license plate; gas tank; oil can. Each 10.50

NASH

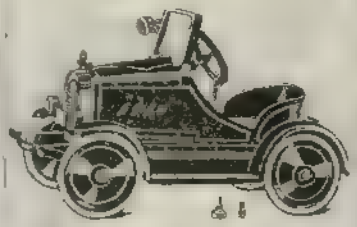
T7090—Nash; length over all 43 ins.; red, yellow striping, black points; 10 in. double disc wheels, ⅝ in. rubber tires; composition steering wheel; rooter horn; motor meter, steel nickel plated radiator; metal road lamps; gear shift; upholstered seat; underslung rear suspension springs; license plate, rear trunk, rubber pedals, each in crate. Each 12.00

OVERLAND



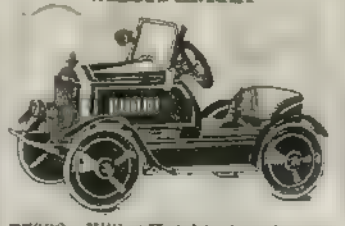
T7091—Overland, length over all 43 ins.; maroon, red panels red and white striping, 10 in. double disc wheels ⅝ in rubber tires; composition steering wheel; rooter horn; motor meter; metal road lamps, steel front radiator fenders, gear shift; upholstered seat, rear trunk, rear suspension springs, rubber pedals; tool kit; oil can; each in crate. Each 14.00

OLDSMOBILE



T7092—Oldsmobile, length over all 43 ins., fawn brown panels red striping, nickeled radiator lamps 10 in. double disc wheels, ⅝ in. rubber tires; composition steering wheel; rooter horn, adjustable windshield; spot light; instrument board; motor meter; motor buzzer; steel front radiator; gear shift; upholstered seat; metal road lamps; fenders; gas tank; rear suspension springs; oil can; rubber pedals each in crate. Each 15.50

WILLYS-KNIGHT



T7093—Willys-Knight; length over all 51 ins.; red, black panel, yellow striping; 12 in. roller bearing double disc wheels, 1 in. rubber tires; composition tilting steering wheel; signal horn; instrument board; motor meter; motor buzzer; adjustable windshield; spot light; steel front; gear shift; upholstered seat; fenders; road lamps bumper; kick plates; license plate, rear suspension springs; oil can; rubber pedals; each in crate. Each 18.50

CHRYSLER

T7094—Chrysler; length over all 51 ins.; Duco satin finish, blue with white and gold striping; 10⅝ in. roller bearing double disc wheels 1 in. rubber tires; composition steering wheel with gas control adjustable windshield instrument board; spot light; motor buzzer; motorometer operating speedometer, signal horn, road lamps, kick plates, bumpers, gear shift, upholstered tilting seat, with large rear compartment underneath; rear suspension springs. Each . 19.00

STUDEBAKER

T7096—Studebaker, length over all 51 ins., Duco, moon gas green panels, white and green striping 12⅝ in. double disc roller bearing wheels, 1 in. rubber tires; all steel chassis; composition tilting steering wheel, signal horn; instrument board; operating speedometer; adjustable windshield; motor meter; steel front radiator; spot light gear shift; upholstered tilting seat; road lamps; crown fenders, kick plates; luggage carrier, "stop" and "go" signals, bumper and license plate each in crate Each 24.50

CADILLAC

Alemite lubrication

T7097—Cadillac; length over all 61 ins.; all steel chassis; sagebrush green, with red and gold striping; 12⅝ in. roller bearing double disc wheel; signal horn; motor meter spare wheel; front and rear bumpers, metal road lamps, license plates; crown fenders; kick plates alemite lubricating system; tool kit with tools; each in crate. Each 34.50

THE AMERICAN NATIONAL LINE

Leads in advance features, beautiful designs and harmonious color combinations these autos are "right up to the minute" a splendid variety of models and a profitable line for you to handle

AMERICAN NATIONAL VELOCIPEDES

Built extra strong and reinforced in parts under greatest strain; stand rough usage and will give both satisfaction and long service; handsomely finished in attractive colors.

HALF OVAL STEEL FRAME

Frame, heavy wide half oval steel, cranks and handle bar one piece, stamped steel heads and pedals; red enameled wheels, frame and fork black enameled; stationary handle bars, cherry stained grips; fibre saddle, double coil springs.

RUBBER TIRE WHEELS.

⅛ in Front; ⅜ in Rear

No.	Front Wheel	Rear Wheels	Pack Crate	Each
T6986	12 in.	8 in.	3	2.25
	Less than carte lots			2.50
T6987	14 in	9 in	3	2.50
	Less than crate lots			2.75
T6988	16 in.	12 in.	3	2.75
	Less than crate lots			3.00
T6989	20 in.	14 in.		3.15
	Less than crate lots			3.40

TRIANGULAR TRUSS FRAME

Triangle truss frame, finished in red enamel; red enameled wheels, with nickel plated hub caps and ⅝ in. rubber pedals; genuine leather saddle; adjustable handle bar with rubber grips.

CORRUGATED RUBBER TIRES

⅝-inch Front and Rear.

No.	Front Wheel	Rear Wheel	Pack Crate	Each
T6991	14 in.	10 in	3	4.50
	Less than crate lots			4.75
T6992	16 in.	12 in	3	4.90
	Less than crate lots			5.15
T6993	20 in.	14 in.	3	5.50
	Less than crate lots			5.75
T6994	24 in.	16 in	3	5.75
	Less than crate lots			6.00

Same but with ⅝ in. tires and with double coil padded bicycle saddle.

No.	Front Wheel	Rear Wheels	Pack Crate	Each
T6998	20 in.	14 in.	1	6.20
T6999	24 in	16 in.	1	6.75

BALL BEARING

Triangle truss frame finished in maroon, nicely striped; wheels enameled maroon; motor bike padded saddle, nickel plated springs; full nickeled Ram's horn, adjustable handle bars, with rubber grips; ball bearing rubber pedals on drop forged nickeled crank hanger; large nickeled hub cape, ¾ in cushion tires.

RUBBER TIRE WHEELS

¾ inch Cushion Tires

No.	Front Wheel	Rear Wheels	Pack Crate	Each
T7001	14 in.	10 in.	2	7.25
	Less than box lots			7.50
T7002	16 in.	12 in	2	7.50
	Less than box lots			8.00
T7003	20 in.	14 in.	2	9.00
	Less than box lots			9.25
T7004	24 in.	16 in.	1	11.25

BALL BEARING

SEAMLESS TUBULAR FRAME

Frame, tubing and all joints hand brazed; nickel plated fork and arched crown; ball bearing wheels with bicycle spokes and nipples; motor bike type ball bearing rubber pedals; adjustable nickel plated handle bar with rubber grips; nickel plated crank hangers, finished in Indian red, gold striped.

RUBBER TIRE WHEELS

1-inch Cushion Tires

No.	Front Wheel	Rear Wheels	Pack Crate	Each
T7011	16 in	10 in.	1	8.90
T7012	20 in	14 in.	1	11.50
T7013	24 in	16 in.	1	13.50

SPECIAL FOR LITTLE TOTS

Frame, heavy, wide oval steel, crank and handle bars one piece steel; frame and fork finished in black enamel, fibre top saddle with adjustable coil springs, stationary handle bar, cherry stained grips.

No.	Front Wheel	Rear Wheels	Pack Crate	Each
T6986	12 in	8 in.	3	2.25
	Less than crate lots			2.50

ASSORTED VELOCIPEDES

Popular Sizes and Models

RUBBER TIRE WHEELS

T6984—Assortment consists of one each 14, 16 and 20 in. front wheel, 9, 12 and 14 in. rear wheel, all steel frame velocipedes, black enameled, with adjustable spring saddles, wood handle grips and ⅛ in. rubber tires. Suitable for boys from 3 to 9 years of age. Assortment (3 sizes) 8.40

DISC WHEEL VELOCIPEDES AND BIKES

T7018—Triangle truss frame; rubber pedals; bicycle head; rubber grips; 12 in. front, 7 in rear disc wheels; ⅝ in. rubber tires; nickel plated handle bar and hub caps; padded seat; extreme distance pedals to saddle 18 ins.; finished red enamel. Each 7.35

T7019—Red enameled steel frame; 7x13 in. blue enameled wood seat; 10 in. double disc red wheels, ⅝ in. rubber tires; rubber pedals, bicycle sprockets and chain; stationary handle bar, wood grips; ball bearing; height to seat 19½ ins., over all 29 ins; length over all 37 ins.; each in crate. Each 7.75

T7020—Same as T7019, larger, 12 in. wheels, 1 in. rubber tires; adjustable handle bar, nickel plated; rubber grips; height to seat 30 ins.; over all 30 ins.; each in crate. Each 10.25

HAND CARS

T7040—Length over all 27 ins., steel frame, black enameled; 7x12 in. natural finished seat; 8 in. double disc wheels, ½ in. rubber tires; steel gear; nickeled hub caps, each in crate. Each 4.50

T7042—Length over all 36 ins; black enameled steel frame, 7¾x16 in. natural finished seat; red enameled; 8 and 12 in. double disc wheels, roller bearings; ⅝ in. rubber tires; nickeled hub caps; each in crate. Each 6.50

T7041—Traveler; wheels 8 and 12 ins.; ⅝ in. rubber tires; red enameled; steel frame, steel gear, heavy axles, cog drive, black enameled; nickel-plated hub caps; seat 16x7¾ ins., red enameled, gold bronze decorated; length 31 ins.; 1 in crate. Each 4.68

WHEEL BARROWS

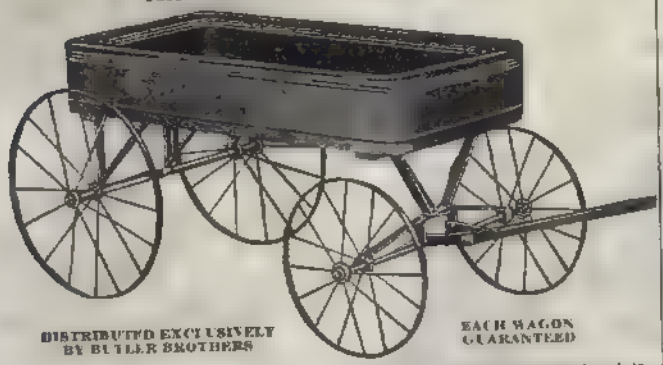
T6853—Steel body, bright red enameled; 6 in. double disc wheel, finished blue; green stained wood handles, body 8x11 ins.; length over all 29 ins.; 1 dozen in case. Dozen 4.85

T6854—Same as T6853, larger, 7 in. wheel, body 10½x15 ins.; length over all 33 ins.; ½ dozen in case. Dozen 7.50

IN BUYING YOUR WHEEL GOODS

bear in mind that every number is of superior design, made of the best materials throughout, and are built strong and rigid to stand the racket and wear children always give them, and will give all around better satisfaction than any other lines you can handle.

"MARATHON" STEEL WAGONS



DISTRIBUTED EXCLUSIVELY BY BUTLER BROTHERS

EACH WAGON GUARANTEED

Size—Each Marathon wagon is larger size than the corresponding manufacturer's number shown.
Body—Beaded sheet steel, extra strong.
Rear Wheels—Larger than front wheels and extra strong.
Indestructible Fifth Wheel—Superior construction giving extra strength.
Front Gear—Very strong, in one piece with extra tongue brace.
Reinforced Wagon Box—Reinforced in three places with heavy reds and beading.
Bottom Boards—Matched, kiln dried, lumber, tongue and grooved and glued.
Wood Cleats—Extra cleats reinforcing bottom boards.
Extra Brace—1F101 and larger sizes have extra steel brace at center of rear axle.
Body Finish—Bright red enamel finish, applied with air brush, green inside.

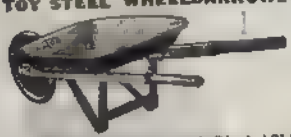
	Body	Wheels	½ doz. in pkg.	24 lbs.	Doz.
1F101—(Mfrs 06)	7½x12¼ in.		½ " "	36 "	$7.75
1F103—(" 04)	9x18 "	6 and 8 in.	½ " "	48 "	11.70
1F105—(" 02)	11x22 "	8 " 10 "	¼ " "	18 "	14.25
1F107—(" 1)	13x26 "	10 " 12 "	¼ " "	28 "	22.25

1F113—8 size assortment, including one each of 1F101, 103, 105, 107, 109, 110, as listed from 7½x12¼ in. to 10x32 in. bodies. Asstd. 6 in crate, 79 lbs. ASSORTMENT (8 wagons) **$9.50**

ALL STEEL EXPRESS WAGON

1F42—6x13 in., beaded steel body, black enameled gear 4½ in. blue double disc steel wheels, wire handle. 1 doz. in carton, 85 lbs. Doz **$5.25**

TOY STEEL WHEELBARROWS



1F18—Garden barrow, "Little Giant," 21 in. long, 6½x8½ in. blue body, turned edges, stained handles, 4 in. blue stamped double steel wheel, steel supports. 1 doz. k. d. in carton, 72 lbs. Doz **$2.18**

1F19—Dump barrow, 29 in. long, 11x18 in. red body, 6 in. double pressed disc enameled double disc wheels, green stained frame. 1 doz. in carton, 90 lbs. Doz **$4.15**

"American" Scooter

1F225—(Mfrs 102) 36 in. long, 31 in. high, with stand, 10in. wheels, rubber tires. 2 in carton, 30 lbs. Each **$3.25**

"LIGHTNING" SCOOTER

1F250—30 in. high, 30 in. long, over all, 13½ in. footboard, red enameled heavy steel frame, varnished hardwood handle and cross piece grip, 10 in. steel wheels, ¾ in. corrugated rubber tires, ribbed enameled lights, 2 doz. in carton, 254 lbs. 1 doz. **$13.50**

"KIDDIE KARS"

Nationally advertised—the big selling leader in wheel goods for small children. Made of clear yellow pine put together with screws and well varnished.

Red Stained Wood Wheels—Natural varnished top and frame. ¼ doz. in carton, k. d., about 15 lbs.

1F3764—(Mfrs 1) 16 in. long, 4 in. wheels	Doz	$12.30
1F3765—(Mfrs 2) 17 in. long, 4½ in. wheels	Doz	16.35
1F3766—(Mfrs 3) 18 in. long, 6 in. wheels	Doz	20.40
1F3767—(Mfrs 4) 20 in. long, 6 in. wheels	Doz	22.55

Rubber Tired Steel Disc Wheel "Special"—Red enameled double disc wheels, roller bearings, bussed ends, enameled seat and fold, ivory frame and handle bars, 10 in. rubber tires. ¼ doz. in carton, k. d., about 15 lbs.

1F3765—(Mfrs 101) 16 in. long, 5½ in. wheels	Doz	$18.30
1F3770—(Mfrs 102) 17 in. long, 4½ in. wheels	Doz	24.35
1F3771—(Mfrs 103) 18 in. long, 5½ in. wheels	Doz	30.45
1F3772—(Mfrs 104) 20 in. long, 6 in. wheels	Doz	36.65

"Kiddie Pedal Kar"—Red enameled double disc wheels, ball-bearing front and roller bearing rear wheels, rubber pedals, natural finish hardwood seat, black enameled steering gears, polished pedal steering post and handle bars, ½ in. rubber tires.

1F233—Mfrs 134) 20 in. long, 2 in carton, 18 lbs.	Each	$2.88
1F236—Mfrs 196) 22 in. long, 2 in carton, 26 lbs.	Each	$3.56

"KIDOBIKE" PEDAL CAR

1F256—Mfrs 1) 28 in. long, 17 in. high, 9 in. and 7 in. wheels, 10x7 in. seat, ¾ in. rubber tires. Strong steel frame and fork, enameled light blue and striped with yellow, substantially braced, cream enameled hardwood seat with "Kidobike" trade-mark on ends, nickel plated fish caps. 3 in carton 47 lbs.

Each **$1.75**
6 or more, Each **1.65**

"AMERICAN-NATIONAL" COASTER BIKE

1F210—(Mfrs 158) Junior bike, 31 in. long, 15½ in. high, shaped seat 14½ in. long, black enameled steel frame, red enameled seat and handle, 5½ in. double flange steel wheels, 1 in. rubber tires. With wrench handle bar. 2 in carton, 16 lbs. Each **$2.00**

"BUDDIE" BIKES

Red enameled hardwood varnished seats, black enameled steel frames, wood braced tinned handle bars with bell, red wire wheels, red enameled pedals. 2 in carton, about 20 lbs.

1F207—(Mfrs 439) 11 in. high, 8 in. wheels, ½ in. rubber tires. Each **$2.15**

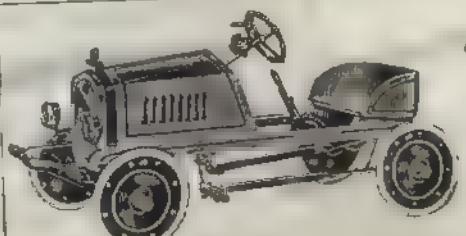
1F208—(Mfrs 441) 12 in. high, 8 in. wheels, ½ in. rubber tires. Each **$2.65**

1F209—(Mfrs 441½) 13 in. high, 10 in. wheels, ½ in. rubber tires. Each **$2.90**

"AMERICAN-NATIONAL" AUTOS

"ACE"

1F449—(Mfrs 4508) 30 in. long, 14 in. wide, 10 in. wheels, ¾ in. rubber tires. Red body, yellow and black stripes, equipment includes steering wheel, gas control lever and bumper. 1 in crate, 55 lbs. Each **$5.10**

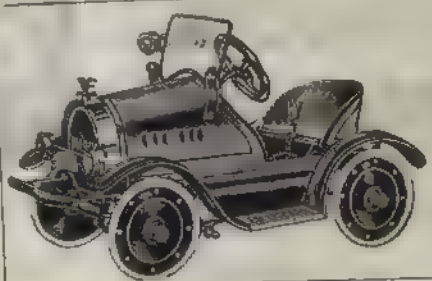


"WILLS STE. CLAIRE"

1F453—Mfrs 4621D) 49 in. long, 18 in. wide, 10 in. disc wheels, ¾ in. rubber tires. Red body, black and yellow stripes. Equipment includes screecher signal, headlamps, bumper, mirror, license plate board, rubber pedal, gear shift and oil can. 1 in crate, 90 lbs. Each **$9.90**

"VELIE"

1F450—Mfrs 4508D) 30 in. long, 14 in. wide, 10 in. disc wheels, ¾ in. rubber tires. Red body, yellow decorations. Equipment includes rubber pedals, bumper, gas control lever and motor meter. 1 in crate 60 lbs. Each **$6.75**



"LIBERTY"

1F457—Mfrs 4538D) 34 in. long, 18 in. wide, 10 in. disc wheels, ¾ in. rubber tires. Fine body, red wheels, brown and yellow stripes. Equipment includes windshield, fenders, headlamps, spot light, road lamps, motor meter, screecher signal, instrument board, tilting steering wheel, upholstered seat, rubber pedals, gear shift wheel, operates "STOP" and "SLOW" signals. 1 in crate, 85 lbs.

Each **$14.50**

"CLIPPER" VELOCIPEDES

Half oval steel frame, black enameled, red enameled wheels, ½ in. front and ¾ in. rear rubber tires, one piece fork, adjustable spring saddle, handle bars with wood grips, steel pedals.

Mfrs.	Wheels	Size	In crate	Wt.	Each
1F187	OR	14 and 9 in.	Under 3 yrs.	3	40 lbs. $2.55
1F183	1R	16 "	13 "	3 to 5 yrs.	3 48 " 2.75
1F184	2R	20 "	14 "	4 " 6 "	3 52 " 3.20
1F185	3R	24 "	16 "	5 " 7 "	2 49 " 3.85

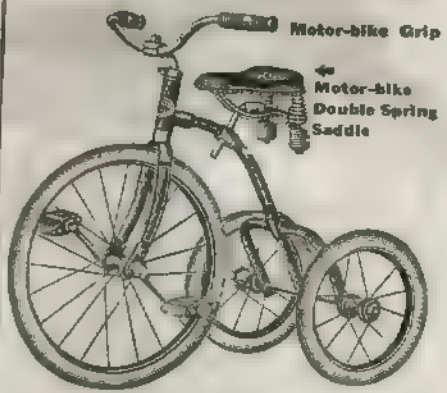
1F148—Assrtd. one 1F187, two 1F183 and one 1F184 in crate, 85 lbs. ASST. (4 pcs) 11.10

TRIANGLE TRUSS REINFORCEMENT

Half oval steel frame with TRIANGLE TRUSS, Indian red enameled and gold striped, ¾ in. rubber tires, nickel hub caps and stabilizer, braced plated handle bars, motor bike grips, padded double roll bicycle saddle, rubber pedals. 1 in crate. About 30 lbs.

Mfrs.	Wheels	Size	Each
1F137	16	16 and 12 in.	3 to 6 yrs. $ 6.25
1F138	17	20 " 14 "	4 " 6 " 6.75
1F139	18	24 " 18 "	5 " 7 " 7.25

BALL-BEARING VELOCIPEDES



Tubular Steel Frame—Bright red enameled, gold striped, all ball bearing, motor bike type, 1 in. tubular steel frame, 1 in. tubular steel front fork, 1 in. tubular steel rear fork, 1 in. tubular steel handle bars, 1 in. tubular steel seat post, 1 in. tubular steel seat stays, 1 in. tubular steel chain stays, 1 in. tubular steel seat tube, 1 in. tubular steel head, 1 in. tubular steel down tube, 1 in. tubular steel crank hanger, 1 in. tubular steel fork crown, 1 in. tubular steel fork blade, 1 in. tubular steel fork ends, 1 in. tubular steel rear fork ends, 1 in. tubular steel seat lug, 1 in. tubular steel head lug, 1 in. tubular steel down tube lug, 1 in. tubular steel crank hanger lug, 1 in. tubular steel fork crown lug, 1 in. tubular steel fork blade lug, 1 in. tubular steel fork ends lug, 1 in. tubular steel rear fork ends lug

WHEEL GOODS

All extra high grade and a matchless line of popular priced wagons, autos, tricycles, velocipedes, etc.; built for strength, durability and easy running; the best goods on the market barring none, and priced so as to enable you to get the business and yield you a nice profit. these are the goods that sell

WOOD HAY CARTS

T6873—Cart 4x6 ins., 24 in. twist wire handle; set up; 1 dozen assorted colors in box. Dozen 1.80

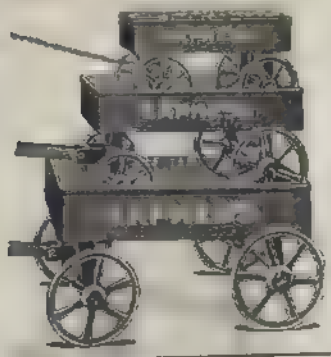
T6874—Strongly made and beautifully finished; the bodies come assorted in bright red, green and yellow; size 6x10 ins.; 24 inch twist wire handle; set up; ½ dozen in carton. Dozen 3.95

STEEL CARTS

T6879 Cart 3½x5½ ins 24 inch twist wire handle, set up, 1 dozen in box. Dozen 1.40

STEEL WAGONS

T6881—Stamped steel body with 2¾ inch metal wheels; twisted wire handle; enameled red; size of bed, 5½x8½ inches; ½ dozen in a box. Dozen 3.00



STEEL EXPRESS WAGONS

All steel body, enameled bright red green wheels

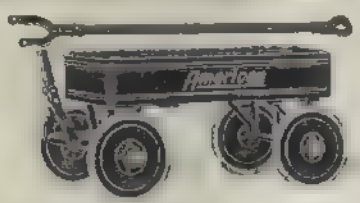
T6901—9 in. long, 5 in. wide, 3 in wheels; twist wire handle; 2 dozen in case. Dozen .....OUT

T6902—12 in. long, 6 in. wide, 4½ in wheels; twist wire handle; 1 dozen in case. Dozen 5.50

T6903—15 in. long 7½ in. wide, 4½ in. front, 6 in. rear wheels; wood tongue; ½ dozen in case. Dozen 8.75

AMERICAN NATIONAL'S ALL STEEL EXPRESS

The strongest and best finished steel express wagons made; beaded sheet steel sides, and smooth, electrically welded joints.



Body made of extra strong steel throughout, beaded sides and large roll top and bottom; body can be detached for coasting; all parts riveted, no bolts or nuts to be lost, no rattle; finished in red enamel; fifth wheel construction; one piece lower front gear body and gear braces; gears riveted to body; nickeled hub caps.

T6920—Body 14½x33½ ins.; 9½ in. double disc, blue enameled wheels, with 1 in. rubber tires; each in carton. Each 5.50

AMERICAN NATIONAL'S ALL STEEL COASTER

Made of extra strong steel throughout; roll top and bottom; well braced

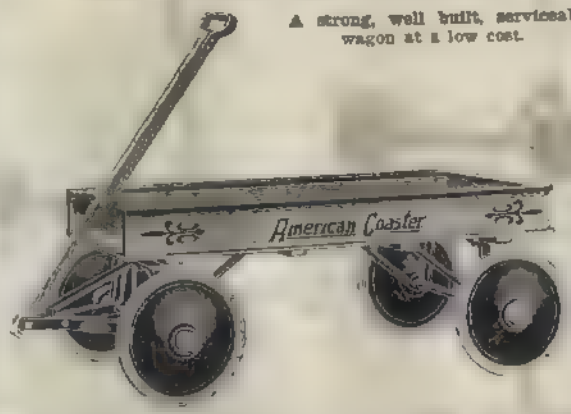
Body heavy sheet steel; steel gear; double disc wheels; nickeled hub caps; curved steel handle with steel loop grip; body finished blue, wheels red, gear and handle black enamels; rubber tires

No.	Body	Wheels	Packed	Each
T6913—10x22 in.	6x⅝ in.	2		2.69
T6914—11x24 in.	7x⅝ in.	2		3.15
T6915—12x26 in.	8x⅝ in.	2		3.79

Note: We do not break crates

OUR "SPECIAL" COASTER WAGON

A strong, well built, serviceable wagon at a low cost.



Body seasoned hardwood, reinforced with cleats, and varnished, top rail; steel gear, strong steel braces; 9½ in roller bearing, double disc wheels with ¾ in. solid rubber tires; finished natural wood, bright red mouldings, red wheels, black enameled gears, nickeled hub caps; fifth wheel one piece, lower front gear, tongue and gear braces; rear gear is made of high grade channel steel, extra strong and reinforced with two steel braces.

T6965—Body 14x32 ins.; 9 in disc wheels, ¾ in. rubber tires, roller bearing; detachable body; brake; each in carton. Each 3.65

T6966—Body 16x36 ins., 9½ in. disc wheels, ¾ in. rubber tires; each in carton. Each 4.25

SLEDS

All good selling, popular priced, well built, substantially braced and handsomely finished. The most salable line on the market.

SELF-STEERING STEEL SLEDS

T7260—Top made of three pieces of selected ash, finished natural, nicely striped; I shaped steel runners with sheet steel knees; metal parts finished in red enamel; length 30 ins.; width 10 ins.; 6 inches high. Dozen 9.00

T7261—Body elm, natural finish; tops enameled, striped and varnished; runners crucible spring steel, T-shaped, standards pressed from 16 gauge steel, lgth. 32 ins.; width 11½ ins.; 6 ins. high. Doz 11.20

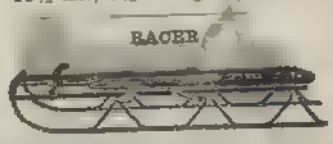
T7262—Same, larger; length 36 in., width 12½ in., 6 in. high Dozen 14.00

T7263 Same, but larger; length 40 inches; width 13⅜ inches 6 ins. high. Dozen 16.80

T7264—Same, with reinforced steering bar and larger; length 45 ins.; width 14½ ins., 6 ins. high. Each 1.70

T7265—Same, larger; with double steel side foot rests and two extra standards; length 50 ins., width 13½ ins.; 6½ in. high. Each 2.15

RACER



T7266—Racer, especially built for durability and speed; six knees; length 56 ins., width 14½ ins., 6½ ins. high. Each 3.45

CLIPPER COASTERS

Hard maple runners, with round spring steel shoes.

T7252—Runners are made of hard maple in natural color tops poplar finished in assorted bright colors, round spring steel shoes; 2 hand holes; strong and well made; length 30 inches height 3½ inches; width 10 ins Dozen 6.75

OUR SPECIAL COASTER WAGON

Is the best wagon buy in the market, a combination of superior design and workmanship, extra strong, and a real wagon in every detail.

SCOOTERS

All the latest models in these popular sidewalk vehicles.

T7044—Length over all 28 ins., height 30½ ins.; 5 in. double disc wheels, ⅜ in. rubber tires; 12 in. steel footboard; wood handle; steel parts enameled red, wood parts natural finish. Each 1.25

T7045 Length over all 30 ins.; height 31½ ins., 7 in. double disc wheels, ½ in. rubber tires, 12 in. steel footboard, fork and stem steel, with red enameled wood cross handle, parking stand, steel parts enameled red. Each 1.47

T7046—Body and steering bar band ⅛ in. steel, braced and riveted; 8 in. steel disc wheels; body and steering bar red enameled, red wheels, with motor cycle rest stand; length 33 ins., 30 ins. high Each 2.15

T7047—Length over all 37 ins.; height 35 ins.; 10 in. double disc wheels, roller bearing; ⅝ in. rubber tires, 13 in. hardwood footboard finished natural, striped, steel frame and wood cross handle, red enameled; parking stand. Each 3.00

T7048 — Length over all 36 ins.; height 34 ins.; 10 in. double disc roller bearing wheels, 1 in. rubber tires; 13 in. hardwood footboard, finished natural, with rubber mat, steel frame and wood cross handle, red enameled; parking stand Each 3.35

WITH FOOT BRAKE

T7049 — Length over all 38 ins., height 35 ins.; 10 in. double disc roller bearing wheels, 1 in. rubber tires; 13 in. natural finished footboard with mat; rear foot brake, steel frame and wood cross bar enameled in red; bicycle bell; parking stand. Each 3.75

BALLOON TIRES

T7050 — Length over all 37 ins height 36 ins.; 10 in. roller bearing double disc wheel, 1¼ in. balloon tires; 13 in. natural finished footboard with rubber mat, steel frame and wood cross handle red enameled; bicycle bell; parking stand. Each 4.00

NET PRICES

The net prices we quote are the lowest prices in the market based on the absolute bottom cost of the merchandise we offer you.

BUNNIE CARS

T7057 — Ecru enameled hardwood seat, 8x19 ins.; 8 in. wire, rubber tired wheels; turned up handle bar, wood grips; rat trap pedals; nickeled bell; red enameled metal parts; length 30 ins.; height (top of handle bar) 19½ ins. Each 2.35

T7058—Same as T7057, but with disc wheels. Each 2.65

WALK AWAY CAR

T7065—All steel, seat and chassis enameled bright red; cream colored 6 in. disc wheels nicely striped, ½ in. corrugated rubber tires; handle bar equipped with red rubber grips, 15½ in. high, 23½ in. long, 10¼ in. from floor to seat; 2 in crate. Each 2.40

RIDE AWAY CAR

T7064—All steel; seat and chassis enameled bright red, cream colored wheels, nicely striped; length 23¼ ins.; wheel base 15⅜ ins.; height seat to floor 10¼ in., handle bar to floor 16½ ins.; 6 in. steel disc rear wheels, 8 in. front wheel equipped with crank hangers and rat trap pedals; ½ in. rubber tires, handle bars are ram's horn shape with red rubber grips; 2 in carton Each 3.00

PEDAL SKIPS

T7066—Red enameled seat 16 in. long, steel braced; red enameled wood cross handle with bell; flat gear, finished black; 8 in. red wheels with ⅝ in. rubber tires; 2 in crate. Each 2.15

T7067—Same, seat 16 in. long, 7½ in. disc wheels, ½ in. rubber tires, tubing handle bars, leather grips, with bell; 2 in carton. Each 3.15

PEDAL BIKE

Double disc steel wheels.

T7068—Red enameled seat board, 16 ins. long, reinforced with steel brace, height to seat board 10½ ins., fine tubing handle bars with leather wound grips; bell attached; 8x1½ in. red enameled double disc wheels; gear finished in black enamel; 2 in carton. Each.....3.75

PLUSH COMBINATION HORSES

PLATFORM AND ROCKER

Plush covered horse, well shaped, beautifully finished; enameled rockers and platform; platform on wheels, so it can be taken off rockers and rolled on floor.

T7139—Horse 23 in. high, 26 in. high over all, rockers 34 in. long. Each 6.00

T7140—Horse 24½ in. high, 30 in. high over all, rockers 40 in. long. Each 6.75

T7141—Horse 27 in. high, 33 in. high over all, rockers 45 in. long Each 11.00

T7142—Horse 29 in. high, 38 in. high over all, rockers 50 in. long. Each 13.50

T7143—Horse 32 in. high, 42½ in. high over all, rockers 55 in. long. Each 16.50

NATURAL SKIN COMBINATION HORSE

PLATFORM AND ROCKER

T7147—Natural skin covered, full hair mane and tail, full leather saddle, bridle martingales, etc.; embroidered saddle cloth; adjustable stirrups, curb bit; natural glass eyes; all trappings can be easily taken off and put on again; horse 27 ins. high, 33 ins high over all; rockers 45 ins. long. Each 19.50

We Know the Kind of tops that boys want and we have them.

TOPS

Hardwood, first quality goods Packed in extra strong boxes.

Stained Jersey Lily—Finished in red, blue, green and natural
1F2380—1¾x1¼ in. Asstd 1 gro in box Gro **85c**
1F2382—[illegible] Asstd ½ gro in box Gro **$1.50**

Shellacked Jersey Lily—Natural wood with [illegible] 1F2385—1¾x1¼ in. 1 gro. in box Gro **$1.10**

Stained and Varnished Jersey Lily [illegible] 1F2390 1¾x1¼ in. Asstd ½ gro in box Gro **$1.10**
1F2191 2x1¼ in. Asstd ½ gro in box Gro **$2.00**

Stained and Varnished Jersey Lily—Hardwood, finished in red, blue and green.
1F2384—2¼x1¼ in. Asstd ½ gro in box Gro **$2.25**
1F2385—2½x1¾ in. Asstd ½ gro in box Gro **$3.60**

Stained Peg Spiked — Finished in red, green and purple, wide gold stripe.
1F2268—2¼x1¼ in. Asstd ½ gro in box Gro **$2.75**

Polished Jersey Lily—Natural [illegible] finish, red and blue enamel stripes
1F2479—[illegible] 6 doz. in box Doz **32c**
Gro **$3.60**

"Bouncing Buster"—Assorted red, blue and green stain finishes, peg set in steel case with strong spring.
1F2400—2½x1¾ in. Asstd. 3 doz. in box Doz **30c**
Gro **$4.50**

"Ski Hi" Rubber Neck—Assorted high [illegible] red, green and purple stained tops, varnished finishes and set in [illegible] of heavy real rubber
1F2419—2½x1¾ in. Asstd. 3 doz. in box Doz **42c**
Gro **$4.80**

Ball Bearing—Hardwood exceptionally well made, assorted red, green and purple
1F2388—2½x2¼ in. Asstd. 2 doz. in box Doz **42c**
Gro **$4.80**

Tops to Retail at 3c

1F2410 Rubbernecks, Jersey Lilies, ball tops and grooved type, assorted stripes, finishes and colors, steel pegs, average 2¾x1¼ in. Asstd 1 gro in box. ASRT (1 gro) **$2.85**

Tops to Retail at 5c

1F2481—4 styles, assorted 2 doz. of each style.
2¼x1¼ in., stained, ballbearing
2¼x1¼ in., stained, "Bouncing Buster"
2½x1¼ in., stained and varnished rubberneck
2½x1¼ in., Jersey Lily, stained and varnished assorted colors wide gold band spike peg
2 5/8x1¾ in., Jersey Lily, stained and varnished assorted colors, ball peg
2¼x2 in., Jersey Lily, natural varnished, alternating black and red stripes, spike peg
1 gro. in carton. Asstd (1 gro) **$4.50**

Stained Ball Peg [illegible] 1F2407 [illegible] Asstd [illegible] Gro **$1.50**

Stained Jersey Lily [illegible] 1F2378 2¼x1¼ in. [illegible] Gro **$1.60**

Stained and Varnished Jersey Lily—Special grooved top, high luster finished in red, blue, green and natural
1F2414 [illegible] Asstd [illegible] Box Gro **$1.75**

Enameled French Type [illegible] 1F2409 2¾x1¾ in. Asstd. 1 doz. in box Doz **34c** Gro **$3.85**

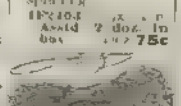
Polished Ball Peg [illegible] 1F2497—2½x2 in. Asstd 3 doz. in box Doz **36c** Gro **$4.00**

Stained and Varnished Rubber-neck—High luster finish, red, green, blue and natural patent rubber cushion
1F2409—2¾x1¾ in. Asstd 3 doz. in box Doz **36c** Gro **$4.00**

"Bouncing Buster" [illegible] 1F2402 [illegible] Asstd 2 doz. in box Doz **75c**

Ball Bearing Paint [illegible] 1F2403 [illegible] Asstd 2 doz. in box Doz **75c**

TOP CORD
1F2416 [illegible] 1 gro. in bdl Gro **85c**



Musical Top

"Whirling Demon" [illegible] red, green and blue stripes in [illegible] pattern, noise when revolving, long action spring.
1F2143—3¾ in. diameter, 1 doz. in box Doz **87c**

MARBLES

Marbles in Drawstring Bags

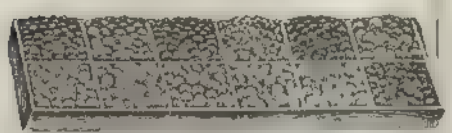
The Bag is a Big Selling Feature

Polished stone, tournament marbles, assorted colors. Put up in drawstring muslin bags

1F4166—Forty-eight [illegible] in. diameter, one [illegible] in. and one [illegible] in. Assorted [illegible] bag. 2 doz. bags in pkg. Doz bags **42c**

1F4369—Ninety-four [illegible] in. diameter, three [illegible] in. and three [illegible] in. Assorted 75 in bag. 1 doz. bags in pkg. Doz bags **78c**

MARBLES IN COUNTER TRAY



2F7992—Comprises the popular selling sizes of the always staple imported composition painted china alleys, imitation agates and fine glass marbles. Well proportioned quantities, figured to sell out evenly. 12 partition hardwood tray included. Asstd as follows

[illegible]	[illegible]	$0.50
[illegible]	[illegible]	.60
[illegible]	[illegible]	.80
[illegible]	[illegible]	1.43
300	5	.60
200	4	1.50
100	1	2.00
1200	3	1.72

Total retail value $8.51

ASRT 5 300 marbles with tray **$6.00**

FIGURED GLASS MARBLES

Silver animals in glass [illegible] 1 doz. in box

4F7985—Size 6	Doz **$0.75**
2F7986—" 7	**.84**

IMPORTED COMPOSITION MARBLES

2F7956—Assorted colors. Also 0, 1 M in jute sack. Per M **38c**

COMPOSITION MARBLES

Exceptional finish. For [illegible] nearer to any other composition marble [illegible] Asstd. colors.
4F4370—[illegible] diameter 1 M in bag. Per M **28c**
1F4371—⅝ in. diameter 1 M in bag. Per M **60c**

2F7954—Polished genuine stone. Assorted sizes 00, 0, 1, 2 and colors. 1 M in [illegible] Per M **75c**

IMPORTED MARBLES

Sizes shown approximately as follows: [illegible]

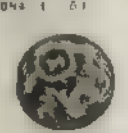
Painted China Alleys—500 in pkg

Size	In box	Per M
2F7947—00	100	$0.40
2F7958—0	100	.65
2F7959—1	100	.95

Size	In box	Per 100	Per M
2F7960—2	100	15c	1.40
2F7961—3	100	24c	2.20
2F7962—4	100	Out	

Fine Glass—Extra quality

Size	In box	PER 100
2F7940—4	500	$0.39
2F7941—3	100	.65
2F7942—2	100	.80
2F7943—1	100	1.08
2F7944—1	50	1.65



Imitation Agates—Also called crockers, assrtd blue and brown

2F7971	Size 00	100 in box 500 in pkg	Per M **60c**
2F7972	Size 0	100 in box 500 in pkg	Per M **65c**

Size	In box	Per 100	PER M
2F7973—1	100	17c	1.50
2F7974—2	100	22c	2.10
2F7975—3	100		3.00

American Onyx Marbles

Every one perfect, splendid variety of colors

1F4358—Size 0 [illegible] in. 100 in box Per 100 **70c**

1F4355—Size 2, ½ in. 50 in box. Per 100 **90c**

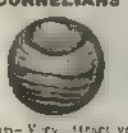
1F4354—Size 1 [illegible] in. 100 in box Per 100 **75c**

1F4356—Size 4, 1 in. diameter, 50 in box Per 100 **$1.20**

COBALT BLUE ONYX MARBLES

Size 1, 4 [illegible] in. [illegible] 1F4195—Size 1, [illegible] in. Per 100 **70c**
1F4360—⅝ in. diameter 1 M in box. Per 100 **90c**

CORNELIANS



German—Very attractive colors. All perfect
2F7986—Assorted sizes 00, 0 and 1, 25 in box [illegible] **$4.00**
2F7987—Assorted sizes 2 and 3, 12 in box Box **$5.50**
2F7988—Assorted sizes 2 and 3, 12 in box Box **$3.75**

MARBLES IN BOXES

Box displays contents without opening

1F4351—6 asstd. color onyx agates, box 3¾x1¾ in. contains two No. 0 and three No. 1. 4 doz. boxes in pkg. Doz boxes **48c**

1F4352—11 asstd. color onyx agates, box 3¾x1¾ in. contains four No. 0, six No. 1 and one No. 2. 2 doz. boxes in pkg. Doz boxes **90c**

GAMES

When you see a game listed here you may be sure it's a game you can sell. There is a year around sale for these games—just display them with price tickets and they'll sell.

Checker and Backgammon Outfit

The biggest value and best made outfit on the market today. Note the size and price.

1F1778—14x14 in. wood frame, red & black varnished playing surface, backgammon inside, set of turned wood checkers, 1 doz. in pkg. Doz **$1.95**

FOLDING CHECKER OR CHESS BOARD

1F1740—16¾x16¼ in. heavy binder board, red and black varnished playing surface, gold outlined border, leatherette finish back. 1 doz. in pkg. Doz **$2.00**

CHECKER AND BACKGAMMON BOARD

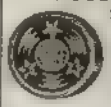
1F1755—11 in. heavy cardboard frame, red and black playing surface, backgammon inside, with set of black and white wood checkers, 1 doz. in pkg. Doz **84c**

Gro. sets **$9.60**

"LOTTO" GAME

1F1936—24 large green and white cards, 90 numbered wood counters, 1 cloth covers, printed checking chart in 6¾x8¾ in. box, 1 doz. in pkg. Doz **$2.00**

WOOD CHECKERS



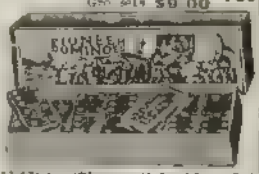
1F1761—"Comet," 1¾ in. size, dark and red men, turned back, nicely finished, polished smooth wax finish, in box, 1 doz. sets in pkg. Doz sets **84c**

Gro. sets **$9.60**

DOMINOES

1F1788—"Black Beauty" double 6, 1¾x3¼ in. polished ebony finish, ivory dots, in heavy cream cards, with enameled dots, "Bony Bee" back, each set in box, 1 doz. sets in pkg. Doz sets **78c**

Gro. sets **$9.00**



1F1793—"Pioneer" double 6, 2x1 in. ebony finish smooth rounded corners, countersunk white enameled dots, embossed cowboy design on back, each set in box, ½ doz. sets in pkg. Doz sets **$2.00**

POPULAR CARD GAMES

Each in attractive box with full directions.

"Pit"—Based on exciting scenes in Stock Exchange, partitioned leatherette box, played by 3 or more.

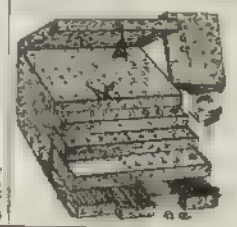
1F1933—¼ doz. in pkg. Doz **Out**

"Rook"—4 sets cards, red, black, green and yellow printing, partitioned leatherette box.

1F1934—¼ doz. in pkg. Doz **$4.95**

"Pinch"—150 numbered cards, heavy enameled finish fancy backs.

1F1927—½ doz. in pkg. Doz **$5.50**



MAH-JONG SET

1F2092—44 ivory wood tiles, 1¾x1¼x¾ in. white enamel bone backs, 3 racks, heavy japanned finish boards, nest easily carried, can be washed and cleaned, colored wood counting sticks, 2 dice. Each set complete with instructions in 4 drawer heavy fancy cardboard cabinet.

1 set in carton..... Set **$2.25**

"Barney Google" and "Spark Plug"

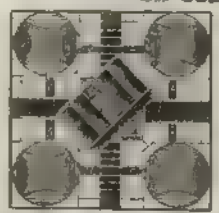
Famous comic characters. Every kiddie wants to play the "Barney and Sparks" game. IT'S A BIG SELLER.

1F1981—"Barney Google" and Spark Plug game, 16 in. boards, jointed boards with cut-out characters, man side shows "Barney Google," reverse side shows "Spark Plug," turned wood chips, dice, 1 doz. in pkg. Doz **$7.75**

GAME BOARDS

Uncle Wiggily"—16x16 in. board, with cut-out men and large supply of numbered cards with interesting sentences that are part of the Uncle Wiggily Bedtime Story Book.

1F1935—¼ doz. in pkg. Doz **$5.25**



"Parchesi"—18¼ x 18¼ in. heavy binders board, 2 one dice, colored cloth, 4 leatherette cups.

1F1779—¼ doz. in pkg. Doz **$8.75**

Lots of 1 doz. Doz **8.50**

POPULAR GAMES

STAR VALUE

"Andy Gump"—9¼ x 2 in. card board leatherette covered dice cup with 5 gold-tipped wooden dice. Each set in 12¾x3¾ in. gold-tipped box.

1F1779—¼ doz. sets in carton. Doz sets **$3.75**

"Pitch 'em"—1¼ in. metal base with steel rod, 1 steel post, 4 rubber horseshoes. Can be used for outdoor or indoor playing.

1F2086—½ doz. in box. Doz **$7.75**

"Snapball"—20 in. red and blue rubber ball, 18 in. wood rod, red rubber frame with 6 rubber cups, 4 wood balls, 1 rubber ball. Object of game is to hook the ball into the cups. Full directions.

1F1858—¼ doz. in pkg. Doz **$7.75**

OUR TERMS

2% 10 DAYS

1% 30 Days

Net 60 Days

CANDLES

CANDLE HOLDERS NUT BASKETS, ETC.

BIRTHDAY CAKE CANDLE HOLDERS

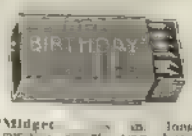
STAR VALUE

For artificial cake or fruit and flower sprays. Can be used for spray effect by inserting stem in candle hole.

1F1135—Pink	BOX	
1F1136—White	of	
1F1137—Red	100	
1F1138—Green		
1F1139—Yellow		68
1F1170—Lavender		
1F1140—Assorted colors		

Wire stems for proper use, 300 in box. **68**

BIRTHDAY CANDLES



"Midget" assortment, 5 colors, pink, white, red, green & yellow, 2 doz. boxes in carton. Doz boxes **34c**

1F4090—White		
1F4091—Pink		Doz.
1F4092—Red		boxes
1F4093—Green		
1F4094—Yellow		34c
1F4100—Old rose		

1F4097 "Midget" assortment, 5 colors, pink, white, red, green & yellow, 2 doz. boxes in carton. Doz boxes **34c**

"TUDOR" CANDELABRA CANDLES

8½ in. long, high quality, 6 in box.

1F4185—Gold	
1F4186—Yellow	
1F4187—White	
1F4188—Pink	
1F4189—Red	
1F4190—Delft blue	
1F4191—Old rose	

BOX of 6 **26c**

CANDLESTICKS

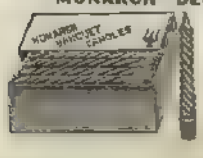
1F1090—[illegible] Doz **87c**

IMPORTED ZYLONITE BALANCING BIRDS

2F9819—8½ in. gold, bright red, blue, black and green, 2 doz. in box. Doz **32c**

Gro. **$3.50**

"MONARCH" DECORATIVE CANDLES



5½ in. long, superior quality, twist pattern, 12 in box.

1F4104—Ivory	
1F4105—Pink	
1F4106—Rose	
1F4107—Yellow	
1F4108—White	
1F4110—Dark blue	
1F4109—Assorted colors	

BOX of 12 **21c**

NUT OR CANDY BASKETS

Wax paper cup, 3¾ x [illegible] in., crepe paper ruffle, 3 prong twisted paper handle, large rose with paper wound wire stem, 2 doz. in box.

1F2601—Pink	Doz
1F2602—Yellow	
1F2603—Lavender	39c
1F2604—Assorted pink, lavender, yellow and white	

Doz **39c**

PAPER BASKET

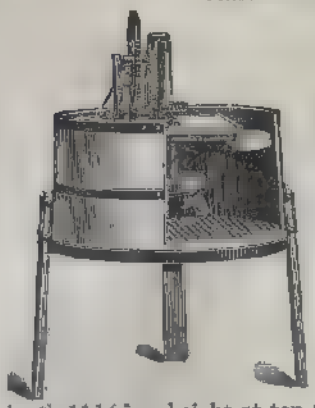
1F4173—13 in. high, assorted blue birds, floral and art designs, 1 pail, 6 bottoms, 1 doz. in pkg. Doz **87c**

Do you sell Coaster Wagons?

"CYCLONE" Is the BEST on the market.

WASHING MACHINES

"AMERICAN ROUND"



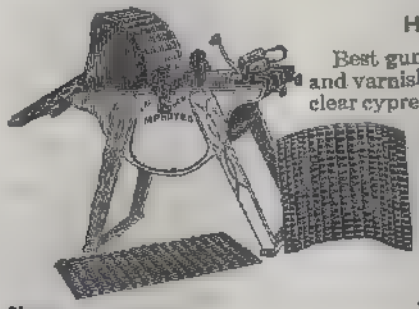
Hand Power.

Seasoned Virginia pine body, painted and grained ash color. The inside fully corrugated, there being no blocks or nails of any kind.

Steel japanned castings; hoops riveted; hardwood dasher block with projecting wood pins, which revolve and reverse as handle swings to either side; hardwood legs secured in place by bolts and sockets. Each

No. 5—Family size; inside dimensions, diam top 21 ins; diam bottom 24 ins; depth 11½ ins; height at top of tub 30 ins; diam of gear wheel 10¼ ins $27 00

One in crate; wt each 58 lbs.



Hand Power.

Best gum body; natural finish and varnished; red legs and arms, clear cypress; rubbers made from beech or ash; removable bottoms; heavy galvanized bottoms; head loose; holder of solid cast iron fastened to each side of machine; head easily removed.

Nos.	23	24
Kind	Favorite	Perfection
Length over all, ins	33½	33½
Width, ins	21	24
Height less handle, ins	24½	22½
Wt each, lbs	46	52
Each	$15 00	16 50

One in crate.

"NEW STANDARD PERFECTION"

Hand Power.

Open

Closed

Louisiana red cypress lumber, natural wood finish, varnished. One oscillating rubber, also a stationary rub-board on the bottom, which can be removed to conveniently give the machine a thorough cleaning after use. The rubber adjusts itself to the quantity of clothes being washed so that one piece can be washed as easily as a tub full. Each

No. 25N5—Length over all, 34 ins; width 19½ ins; height to top of tub, 24½ ins; wt each 50 lbs $18 00

No. 26N3—Length 33¾ ins; width 22¾ ins; height to top of tub 25 ins; wt each 55 lbs 19 50

K. D; one in crate.

WASHING MACHINES

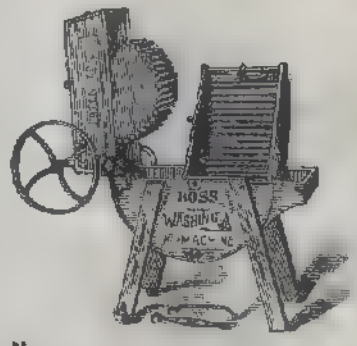
"NEW IMPROVED STANDARD CHAMPION"

Hand Power.

Louisiana red cypress lumber, natural wood finished. Operated by drawing the triple handled lever back-ward and forward. Working parts of machine are very simple in construction, cannot get out of order. All iron parts coming in contact with water are heavily galvanized to protect against rust. Has wringer attachment, allowing water to flow directly back into the washer.

Nos.	1C	2C	3C
Kind	Family	Large Family	Hotel
Length over all, ins	36	36	36
Width, ins	18	20	22
Height less handle, ins	31½	31½	31½
Wt each, lbs	88	97	105
Each	✦$32 25	✦36 00	✦40 50

One in crate.

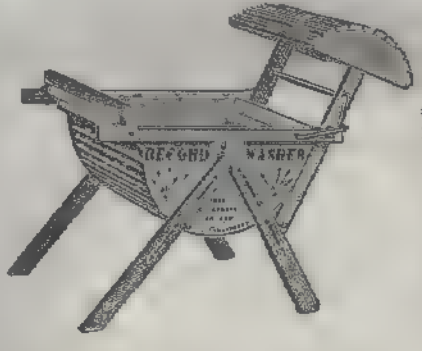


"BOSS", Hand Power.

Louisiana red cypress, natural finish and varnished. Wood frame cylinder; double action produced by the working of two cylinders in opposite directions at the same time. Extra heavy galvanized iron bottoms; rim arranged for attaching wringer; all castings are heavily galvanized where necessary to prevent against rust; diameter of wheel 17 inches.

Nos.	1F	2F
Size	Family	Large Family
Length over all, ins	35	35
Width, ins	18	20
Height less wheel, ins	32	32
Wt each, lbs	105	115
Each	$39 00	✦42 00

One in crate.



RECORD

26 best galvanized steel, gauge. Corrugated bottom and rubber; self adjusting to any amount of clothing in the tub; wringer bar attached.

Length over all 36 ins; width 18 ins; depth 13 ins; height to top of tub 24 ins.

Each

No. R—Wt 80 lbs ..... ✦$16 50

(Sold in full crate lots only).

Two in crate.

✦F. O. B. Ohio Factory Only.

RAPID WASHERS

Bright tinplate; put together without the use of solder, being made of strong lock seams. Reinforced bottom with galvanized iron wire; northern fir handle.

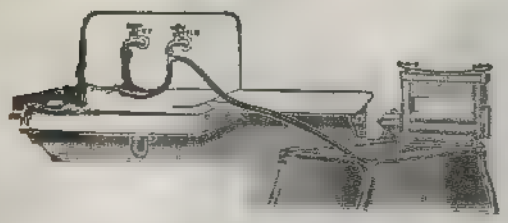
By raising and lowering washer the water is rushed through the clothes avoiding any necessity of rubbing or injury to the finest of fabrics.

	Per Doz
No. 20—Diam 7 ins; height 7 ins; length of handle 24 ins	$15 00
No. 21—Diam 8 ins; height 7½ ins; length of handle 36 ins	18 75

One doz in carton; wt per doz 15 lbs.

WASHING MACHINE SIPHONS

SIPH-O



Brass, nickel plated and polished connections; 5 feet of red rubber hose ½ inch in diameter and brass nickel plated adapter with heavy rubber washer and swivel for use on smooth faucets. Specially designed for use with any washing machine for filling and draining tubs by using water pressure as power.

	Each
No. S1—Siphon complete with adapter	$6 30

One in carton; wt each 2 lbs.

ADAPTERS FOR WASHING MACHINE SIPHONS

For Use with Siph-O or Penberthy Siphons.

Brass, nickel plated and polished; with heavy rubber washer for use on smooth faucet connections.

	Each
No. S1-A—Wt each 4 ozs	$0 81

Packed loose.

FLUTING MACHINES

Japanned cast iron base, frame and apron; swivel clamp; two fluted hollow brass rolls.

The apron in front of the machine is arranged to guide the material.

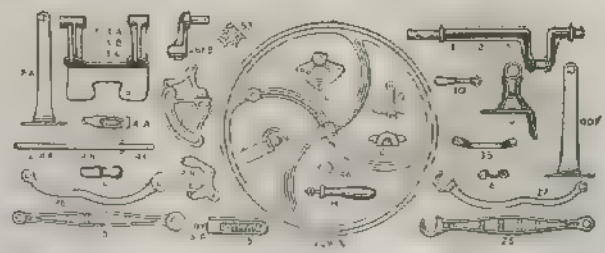
Crank 3½ ins long, with wood handle; four solid cast heaters 1½ ins in diameter, 6 ins long, steel lifter with wood handle 5½ ins long.

	Each
No. 6—Length rolls 6 ins; size base 7 ½x5¾ ins; height 10 ins	$21 60

One in box, wt each 12 lbs.

REPAIR PARTS

For No. 0 Blue Grass and External and Internal Gear Boss Washing Machines.



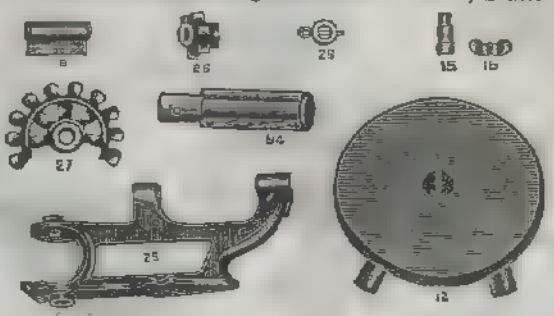
Old Style.

Nos.	Each	Nos.	Each
1—Crank Shaft No. 1 Size	✚$1 20	007—Center Post	✚$1 11
2—Crank Shaft No. 2 Size	✚ 1 35	26—Pitman Rod	✚ 1 20
5—Crank Shaft No. 5 Size	✚ 1 50	27—Conn. Lever	✚ 1 11
3—Shaft Bracket	✚ 84	46—Hand Wheel	✚ 7 20

New Style.

Nos.	Each	Nos.	Each
0—Lower Cylinder Pin	✚$0 51	273-A—Shaft Bearing No 1 Size	✚$1 80
02—Upper Cylinder Pin	✚ 51	273-B—Shaft Bearing No. 2 Size	✚1 95
4-A—Caster	✚ 75	273-C—Shaft Bearing No. 5 Size	✚2 10
05—Boxing	✚ 51	274-A Shaft for No. 273-A	✚ 75
6—Spout	✚ 39	274-B—Shaft for No. 273-B	✚ 90
7-A—Center Post	✚ 1 20	274-C Shaft for No. 273-C	✚ 99
10—Wrench	✚ 51	275—Pitman Rod	✚1 50
11-L—Side hinge (left)	✚ 99	276—Conn. Lever	✚1 50
11-R—Side hinge (right)	✚ 99	269-X—Operating Wheel (grooved)	✚7 20
12-L—Side hook (left)	✚ 60	H—Handle and Bolt for No. 269-X	✚ 60
12-R—Side hook (right)	✚ 60	C—Drain Plug	✚ 27
15—Cylinder Hook	✚ 90		
25—Slide	✚ 48		
25-A—Pressure Spring (per pair)	✚ 48		
35—Lift Handle	✚ 36		
53—Corner Iron	✚ 51		
216—Hexagon Nut	✚ 36		
261-B—Crank	✚ 99		

For Blue Grass Washing Machines Nos. 1, 2 and 4.



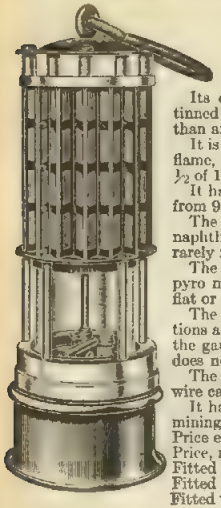
Nos.	Each	Nos.	Each
15 and 16—Roller guide pin	$0 72	94—Galvanized dasher post	✚$1 44
26—Drive pinion	96	1 or 25—Main cover castings	2 40
27—Ball pinion	1 44	12—Pin block	✚2 40
28—Sleeve	✚ 72	*5—Balance wheel	✚4 80
29—Collar	✚ 48	*30—Gear cover	2 40
*4—Dasher post collar	✚ 96	*31—Gear cover	2 40

*Not shown in illustration.

NOTE

It is very important when ordering repair parts for washing machines to give the correct number of the machine for which the parts are wanted. In addition to this it is also well to mention the name of each part as well as the number. It will save days of time and untold inconveniences to be governed by these simple instructions.

✚**Nos. 1, 2 and 4 F. O. B. Michigan Factory Only.**
✚**No. 0 F. O. B. Ohio Factory Only.**



The American Wolf Type Miner's Safety Lamp

An American Made Lamp Similar to the Imported Wolf Safety Lamp

Its construction has proven the most satisfactory. It is made of heavy cold rolled steel tinned with brass trimmings. It is stronger, more serviceable and costs less to maintain than any other safety lamp on the market.

It is very sensitive to gas, indicating plainly as low as ¾ of 1 per cent with the luminous flame, and is extensively used for testing purposes. With a non-luminous flame, as low as ½ of 1 per cent of gas may be detected and ¾ of 1 per cent shows a distinct gas cap.

It has from 1 to 1½ c. p. illuminating power and the light remains practically constant from 9 to 12 hours.

The maintenance cost is very low and should not exceed 1 cent each lamp per shift, for naphtha, repair parts and supplies. The fuel burns as a gas. The wick does not char and rarely requires renewal.

The standard lamp for general use. Burns naphtha and is fitted with double gauzes, pyro metal or match tape internal ignit r, key or magnetic lock, and burner for either flat or round wick.

The shield, or bonnet, is corrugated to increase the radiating surface, and the perforations are so made as to prevent the high velocity currents from impinging directly against the gauze. A plain steel bonnet can be furnished, but it has less radiating surface and does not keep the lamp as cool.

The gauzes are of the best grade charcoal iron wire carefully woven. Brass or copper wire can be furnished at small additional cost.

It has passed the most exacting tests and been formally approved in practically every mining locality. It has been tested in high velocity currents up to 2500 feet per minute

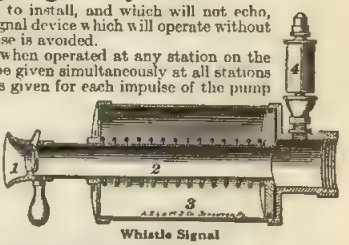
Price each, as described above	$ 9.00
Price, made from light weight aluminum alloy, round wick only	12.00
Fitted with 1 lens, extra	3.30
Fitted with 2 lens, extra	6.70
Fitted with 3 lens, extra	9.50

The American Pneumatic, Signal System

A thoroughly reliable pneumatic signal system, durable, easy to install, and which will not echo, nor repeat the signal given. It is positively the only pneumatic signal device which will operate without an echo, an inestimable advantage, as all confusion from this cause is avoided.

It consists essentially of a specially designed air pump which when operated at any station on the line compresses the air sufficiently to cause the desired signal to be given simultaneously at all stations on the line. One blast of the whistle or one stroke of the gong is given for each impulse of the pump piston.

The signal pump is entirely self-contained and no fittings are required for its erection. All that is necessary is to erect a suitable pipe line connecting the points between which it is necessary to signal, and attach the pumps. One pump for each station.



Whistle Signal

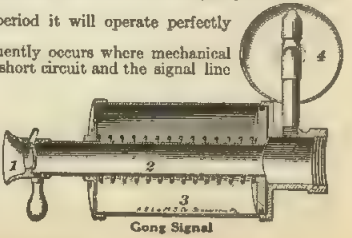
Line Can Be Used as Speaking Tube

The piston rod is hollow and upon opening the check valve near the mouthpiece the line is open as a speaking tube. Sound is transmitted sharp and clear in the very deepest shafts. This feature is invaluable when the mine telephone is out of order, or if an accident should occur and more than one method of communication is desired.

Once properly installed there is practically no maintenance expense. The pump is heavily constructed of cast and drawn brass and has no delicate parts. Signals installed for 10 to 20 years still give perfect service, the only expense being an occasional new packing ring.

It cannot get out of order. Left untouched for an indefinite period it will operate perfectly at first impulse of the piston.

Materials falling down shaft cannot cause a false signal, as frequently occurs where mechanical signals using wires are employed. There are no wires to break or short circuit and the signal line is not readily damaged by fire or water.



Gong Signal

Prices

M220. Pneumatic signal pump complete with one gong or whistle, 6x9¼x2½ inches, for signaling up to 900 ft. Each **$55.50**

M222. Pneumatic signal pump complete with one gong or whistle, 8x13½x3 inches, for signaling up to 2000 ft. Each **$75.00**

M224.	Signal whistles, brass. Each	7.50
M225.	Signal gong, steel, complete. Each	6.30
M226.	Signal gong, brass, complete. Each	9.00

Brass tubing and pipe at market.

Product of over 30 years' experience

The Favorite Voice of Radio in All Tongues

To hear an Amplion perform in comparison with any or all other loud speakers is to understand why these creations of the originators and oldest makers of loud speakers —Alfred Graham & Co., London, Eng.— are leading favorites throughout the world.

Get one to test from your jobber. Six models, including console units, $12 to $42.50. Nationally advertised. Write for proposition.

All Amplions are completely equipped with cords and panel plugs.

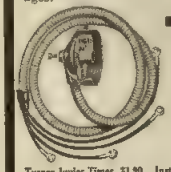
THE AMPLION CORPORATION of AMERICA
Executive Offices Suite D, 280 Madison Ave., New York City
Canadian Distributors Burndept of Canada, Ltd., Toronto

AMPLION

For Christmas!

Sell
Turner Products

Increase Christmas sales! Display, suggest, SELL Turner Products to your Christmas trade. Ideal gifts for Ford owners. Timers packed in attractive Holiday packages.



Look for the red flash-proof timing disc; all-steel rotor; hardened copper brush; the instant "take-apart" feature. List price, $3.75.

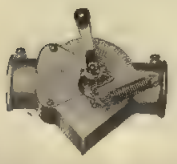
Turner Junior Timer, $1.90 Instant Foot Accelerator, $1.25

Turner Mfg. Co. Dept. C Kokomo Ind.

TURNER 2-in-1 TIMING UNIT

Not Sold as a Noisemaker

No Dull Season!



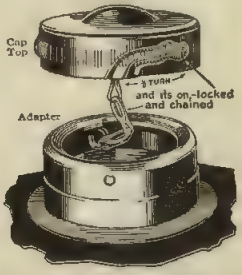
Motors require tuning all year 'round. That's why there is no drop in the turn-over of Petry Tuning-up Valves. *It pays to push the Petry!* Ask your jobber.

N. A. PETRY COMPANY, Inc.
320 N. Randolph St., Philadelphia, Pa.
Pacific Coast Rep.: NORMAN COWAN CO., 461 Rialto Bldg., San Francisco

PETRY Tuning Up Valve

Monmouth Gas Tank Cap

Get Them From Your Jobber



The Monmouth Gas Tank Cap has been adopted as standard equipment on many cars—but there are fifteen million cars already in use that need them.

The Monmouth is the only cap with a "Never Lost" feature retailing under $1.00.

The Standard Metal Goods Co.
5917 Euclid Ave., Cleveland, Ohio

Many Combinations Possible With These 3 Handles and 12 Sockets

An Interchangeable Socket Wrench Set, heavy duty in every respect, designed especially for the Garage Repairman and General Mechanic

Furnished in an *all-steel tool box.* Strong and substantial.

WRITE FOR CATALOG No. 225

Ask Your Jobber About Our Other Socket Wrench Sets

WALDEN-WORCESTER
INCORPORATED
General Offices and Factory
WORCESTER, MASS.

Adjustable Foot As Jack Extends
Stop Lug To Limit Action of Handle
Trip Lug To Lower Jack
Adjustable Foot As Jack Lifts
Trip Lug To Raise Jack
Stop Lug To Limit Action Of Handle

To Reverse Action Of Jack-Turn Handle So Trip Lug Is On Top Of Underneath Release Lever And Lower Or Raise Handle Moving Release Lever Up Or Down As Desired.

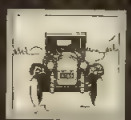
Here's the Most Profitable Jack to Sell

Customers choose it owing to its very wide range of lift and ease of operation. Most profitable, too, because on each sale the return is large and because the number of sales is greater—for this jack suits the owner of both the small and large car.

Can be placed under loads only 8 7-8 inches from the ground, raising them to 21¼ inches. A quick locking and unlocking long handle gives powerful leverage; short stroke permits use under lowest fender, body or bumper. Write for prices.

Buckeye Jack Mfg. Co.
Alliance Ohio
NEW YORK OFFICE: 156 Chambers Street

WESTINGHOUSE AIR SPRINGS



Comfortable—Economical—Distinctive

THE FINEST KNOWN DEVICE *for* SHOCK ELIMINATION

THE WESTINGHOUSE AIR SPRING CO.
NEW HAVEN, CONN.
FACTORY BRANCHES
NEW YORK-PHILADELPHIA-CHICAGO-ATLANTA
BOSTON-CLEVELAND-SAN FRANCISCO-LOS ANGELES

Increases Oil Sales
—and Oil Pays a *Good Profit!*

"Doubles oil sales" say many users of American Visible Lubricating Outfits. Motorists are REMINDED they need oil by this movable oil show window; they SEE the GRADES and QUALITY of oil; your operator can make a MORE INTELLIGENT OIL RECOMMENDATION to your trade. Get larger oil sales by installing the

American
Visible Lubricating Outfit

Made to show one, two or three grades of oil. Serves CLEAN oil QUICKLY. Pump forces oil into measure—no dripping no waiting for gravity flow container filled and discharged at same time by piston, insuring PROMPT SERVICE. Mounted on casters—can be moved to station's most advantageous place. Furnished with Brookins' adjustable spout quart measure.

Write for information and prices on these splendid sales increasers.

The American Oil Pump & Tank Co.
1137 Findlay St., Cincinnati, O.
Export Dept.: 549 W. Washington St., Chicago

MINERS' LACED RUBBER BOOTS

ROCK HILL HI-BOOTEE White.

First quality; white rubber bottoms, white finish rubber uppers; heavy corrugated double white rubber soles and solid heels; cotton lined.

Per Pair

No. 1MHW—Sizes 6, 7, 8, 9, 10 and 11; height 10 inches..... $12 00

One doz pairs in case; wt per pair about 4½ lbs.

ROCK HILL HI-BOOTEE

First quality; gray rubber bottoms, dull black finish rubber uppers; heavy corrugated double rubber soles and solid heels; cotton lined.

Per Pair

No. 1MH—Sizes 7, 8, 9, 10 and 11; height 10 ins; wt per pair about 4¼ lbs $10 20

One doz pairs in case.

LO-BOOTEE

First quality; gray rubber bottoms; dull black finish rubber uppers; heavy corrugated double rubber soles and solid heels; cotton lined.

Per Pair

No. 3ML—Sizes 6, 7, 8, 9, 10 and 11; height 8 ins; wt per pair about 4 lbs..... $9 15

One doz pairs in case.

BASE BALL SHOES

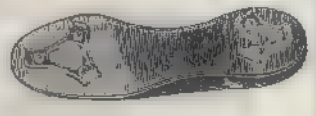
LEAGUE

Carefully selected Blue Back Kangaroo. Low cut, hand sewed shank, making shoe very flexible. Tempered steel plates.

Per Pair

No. 1LS—Sizes 6, 7, 7½, 8, 8½, 9 and 10..... $13 50

One pair in cardboard box; wt per pair about 1¾ lbs.



COLLEGE

Made from selected Chrome Tan Upper Leather, very strong and flexible. Low cut, guaranteed spikes, single sole.

Per Pair

No. 1CS—Sizes 6, 7, 7½, 8, 8½, 9 and 10..... $8 25

One pair in cardboard box; wt per pair about 2 lbs.

BASE BALL SHOES

PROFESSIONAL

Made of Yellow Back India Kid. High cut, made with a full and slip sole. Equipped with tempered steel plates.

Per Pair

No. 1PS—Sizes 6, 7, 7½, 8, 8½, 9 and 10..... $9 30

One pair in cardboard box, wt per pair about 2 lbs.

FOOT BALL SHOES

Special selected black tanned stock; one piece leather inner sole; brown arrangement of cleats; ankle pads. When ordering be sure to specify size.

Per Pair

No. 409L—Sizes 6, 7, 8, 9 and 10 $13 50

One pair in cardboard box; wt 2 lbs.

BASKET BALL SHOES

APSLEY RUBBER CO.

VICTOR

Brown corrugated suction sole; white duck uppers; brown rubber trimmings; foxing and toe cap; koolfootinsole. Especially designed for basket ball players but can be used by all athletes.

Men's.

Per Pair

No. 2M—Sizes 6, 6½, 7, 7½, 8, 8½, 9, 9½ and 10..... $4 05

Boy's

No. 2B—Sizes 2½, 3, 3½, 4, 4½, 5 and 5½..... 3 75

One pair in cardboard box; wt per pair 1½ lbs.

Brown corrugated suction hole rubber soles; brown army duck uppers; brown atheletic trimming; ventex insole. Especially designed for indoor or outdoor athletics.

Per Pair

Men's.

No. 1MC—Sizes 6, 7, 8, 9 and 10..... $3 75

One pair in cardboard box; wt each 1½ lbs

WRENCH DISPLAY BOARDS

HARDWARE DEALERS' GENERAL ASSORTMENT

Display board surfaced with metal, handsomely lithographed in colors, framed in black wood, fitted with steel lugs on hangers. Board are not sold but furnished free to customers with initial order for drop forged wrenches.

Each

No. 2—Assortment, 14x56 in. board, containing 132 semi-finished wrenches, three best selling shapes, 6 of each of the sizes most used, with openings to fit the following: All U. S. standard nuts ⅛ to ⅝ in., hexagon head cap screws ⅛ to ⅝ in., S. A. E. nuts and cap screws ¼ to ⅞ in., weight board 16½ lbs., wrenches 67½ lbs. $106.92

Contents of No. 2 Assortment

Six each of wrenches listed below.

15 DEG. ANGLE WRENCH, DOUBLE HEAD

No.	For U. S. Standard Nuts Size Inches	For Hexa. Head Cap Screws Diam. Inches	For Square Head Cap Screws Diam. Inches	For Set Screws, Size In.	For S. A. E. Std. Nuts and Cap Screws, Size In.	Openings Milled, Inches	Extreme Length Inches	Each Semi-finished
23	⅛ & ¼	⅛	⅜	⅛	⅛	⅛ & ⅛	4	$0.42
25	¼ & ⅜	¼	⅜	⅛	¼	⅛ & ⅛	5	.50
27	⅜ & ⅜		¼			⅛ & ⅛	6	.62
29	⅜ & ⅜		⅜			⅛ & ⅛	7	.74
31	⅜ & ½	⅜	½	⅛	⅜	⅛ & ⅜	8	.90
34	½ & ⅝	⅜	⅜	⅛	⅜ & ½	⅛ & 1 ⅛	10	1.36
23-A	⅛ & ¼	⅛ & ⅜	⅜ & ½		⅛	⅜ & ⅛	4	.42
25-A	¼	¼ & ⅜	⅜ & ½	⅛	¼ & ⅜	⅛ & ⅜	5	.50
27-A		⅜ & ½	⅜ & ½		⅜ & ½	⅛ & ⅜	6	.62
29-A		⅜ & ½	⅜ & ½		⅜ & ½	⅜ & ⅜	7	.74
31-A		½ & ⅝	½		½	⅜ & ⅛	8	.90
33-A	½	⅝ & ¾	¾	⅛ & ¼	⅝ & ¾	⅛ & ⅛	9	1.10

LIGHT "S" WRENCHES 22½ DEG. ANGLE

No.	For U. S. Standard Nuts Size Inches	For Hexa. Head Cap Screws Diam. Inches	For Square Head Cap Screws Diam. Inches	For Set Screws Size Inches	For S. A. E. Std. Nuts and Cap Screws, Size In.	Openings Milled Inches	Extreme Length Inches	Each Semi-finished
475	⅜ & ¼	¼	⅜	⅛	⅛	⅛ & ½	6¼	$0.54
477-C	¼ & ⅜	⅜	⅜		⅛	½ & ⅝	7⅛	68
479-C	⅜ & ⅜		½	½		⅝ & ¾	8¾	86
481-C	⅜ & ½	½	½		⅜	⅞ & 1⅛	9¼	1 10
483-C	½ & ½	⅝	⅝	⅝	½	1⅛ & 1⅜	10⅝	1 40

OFF-SET 22½ DEG. ANGLE WRENCHES, DOUBLE HEAD

No.	For U. S. Standard Nuts Size Inches	For Hexa. Head Cap Screws Diam. Inches	For Square Head Cap Screws Diam. Inches	For Set Screws Size Inches	For S. A. E. Std. Nuts and Cap Screws, Size In.	Openings Milled Inches	Extreme Length Inches	Each Semi-finished
671-A	⅛ & ¼	⅛	⅜	⅛	⅛	⅛ & ⅛	4¼	$0.50
672-B	¼ & ⅜		⅜			⅛ & ⅛	5¼	.62
673-A	⅜ & ⅜		½			⅛ & ⅛	7	.80
674-A	⅜ & ½	⅜	¾	⅛	⅜	⅛ & ⅜	8¼	1.06
675-A	½ & ⅝	½	¾	¼	½ & ¾	⅜ & 1 ⅛	9½	1.44

Open Stock

AUTOMOBILE WRENCHES

No. 760—Forged open hearth steel, natural finish.

Length, in.	5	7	9	10
Jaws open, in.	1⅛	1¾	2⅛	2⅛
Per dozen	$4.50	5.00	6.00	10.00

Open Stock.

MOTOR THIN JAW WRENCHES

No. 110—Polished, thin jaw, for use in narrow openings; steel handle.

Length, in.	6	8	10
Weight each, lbs.	⅝	½	1
Each	$2.00	2.25	2.50

Six in a carton.

WRENCHES

PEXTO SOLBAR

No. 100—Forged special grade steel bar, head, shoulder and handle frame, selected hardwood handles, head and jaw properly hardened, oil finished.

Length, in.	6	8	10	12	15	18	21
Jaws open, in.	⅝	1⅛	1⅝	2⅛	2⅞	3⅝	4
Weight dozen, lbs.	10	17	28	40	57	84	120
Per dozen	$15.00	18.00	22.00	28.00	38.00	48.00	58.00

6 to 12 in., half dozen; others third dozen in a box.

SOCKET WRENCH SETS

NONE BETTER

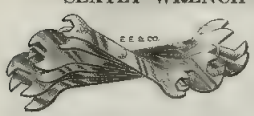
High grade steel, every socket machined to correct size and properly tempered, put up in black enameled metal box with hinged cover.

Per Set

No. 3—Six sockets, one each opening ½, ⅜, ⅝, ⅞, ¾ and ⅛ in., with ⅜ in. hexagon steel handle $1.25

One Set in a Box, 10 Sets in Display Carton.

SEXTET WRENCH SETS



Made of steel, 1/10 in. thick, a set of distinctively thin wrenches, specially designed for special purposes, highly polished and nickel plated.

Per Set

Sextet Ranch—Consists of 6 double end wrenches giving 12 different sizes, largest wrench 4½ in. long, smallest wrench 2½ in long, openings 5/32, ¼, 5/16, 7/16, 11/32, ⅜, 13/32, 7/16, 15/32, ½, 9/16 and ⅝ in., weight per set 5 oz. $0.60

The wrenches are held together by knurled nut when not in use.

One Set in a Carton.

CARRIAGE MAKERS WRENCHES

22½° angle, with openings milled for Manufacturers' Standard nuts.

No.	Size Bolts, In.	Openings Milled, In.	Extreme Length, In.	Thick Heads, In.	Each	No.
475	5/16 & 3/8	11/32 & 1/2	6¼	7/32	$0.54	475
477	3/8 & 7/16	1/2 & 9/16	7⅛	1/4	.68	477
479	7/16 & 9/16	9/16 & 11/16	8¼	9/32	.86	479
481	9/16 & 11/16	11/16 & 13/16	9¼	5/16	1.10	481
483	11/16 & 1/2	13/16 & 15/16	10⅜	11/32	1.40	483

In Set Per Set

No. 1 Set—Containing one each Nos. 475, 477, 479, 481 and 483 wrenches, in canvas roll, weight per set 4¾ lbs. $5.58

Separate Sizes

Open Stock.

AUTOMOTIVE WRENCH SETS

22½° angle, with openings milled for S. A. E. standard nuts and cap screws.

No.	For S. A. E. Standard Nut and Cap Screws Size, In.	Openings Milled, In.	Extreme Length, In.	Thickness, Heads In	Each	No.
1477-A	7/16 & 1/2	11/32 & 1/2	7⅛	1/4	$0.68	1477-A
1479-B	9/16 & 5/8	7/16 & 9/16	8¼	9/32	.86	1479-B
1481-A	11/16 & 3/4	9/16 & 5/8	9¼	5/16	1.10	1481-A
1483-A	13/16 & 7/8	11/16 & 1	10⅜	11/32	1.40	1483-A
1485-C	3/4 & 7/8	1 1/16 & 1 1/16	12	1/2	2.00	1485-C

Per Set

No. 2 Set—Containing one each Nos. 1477A, 1479B, 1481A, 1483A and 1485C wrenches, in canvas roll, weight per set 4½ lbs. $7.04

Separate Sizes

Open Stock.

TAPPET WRENCH SETS

Case hardened steel, ⅛ in. thick, strong enough for adjustment of any valve tappet, carefully hardened and tested, correct in size and angle, very handy and efficient for their purposes.

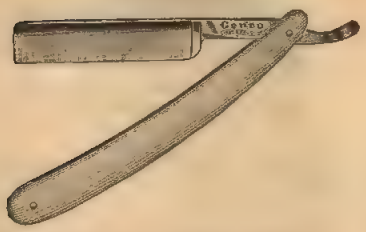
Per Set

No. EE—Tappet wrench set, consists of 6 thin wrenches, 2 each of the following sizes: 5/16 and 11/32 in., ⅜ and 13/32 in., 7/16 and 15/32 in. Put up in high grade leatherette cases $1.25

One Set in a Roll

GENCO RAZORS

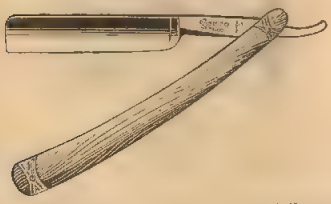
ARMY AND NAVY



Round and square points. Highly polished blade, ground extra full concave. Imitation oval ivory handle.

	Blade	Each
Army and Navy	⅝ in.	$4.00

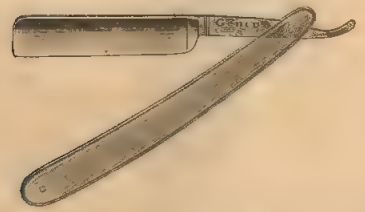
DE ROMA



Round and square points Hollow ground, full crocus polished. Oval ivory handle.

	Blade	Each
De Roma	⅝ in.	$4.00

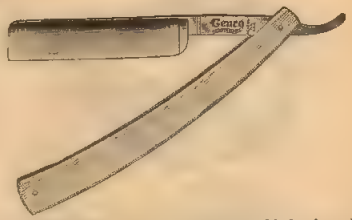
GOLD SEAL



Round and square points. Hollow ground, extra fine polish with back and tang heavily gold plated. Handle transparent amber.

	Blade	Each
Gold Seal	⅝ in.	$4.00

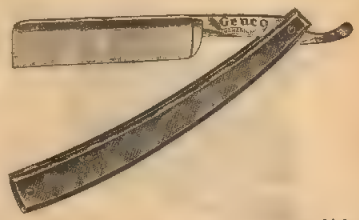
MASTER BARBER



Round and square points. Full concave blade, forged with oval tang Handle imitation ivory, flat surface, beveled edges, square ends.

	Blade	Each
Master Barber	⅝ in.	$3.50

VANADIUM



Round and square points. Full concave with high, wide bevel imitation tortoise shell handle.

	Blade	Each
Vanadium	⅝ in.	$3.50

MASTER CUTLER

Round and square points. Mirror colored blade with gold etching, back and tang crocus polish. Heavy vulcanized black rubber handle, beveled edge.

	Blade	Each
Master Cutler	⅝ in.	$3.50

Each razor in individual box, six in a carton.

Weight of above per carton of six, 1 pound.

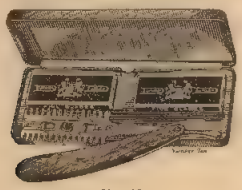
SAFETY RAZORS

DURHAM DUPLEX

No. 6

The case is flat and compact, with an attractive pebbled blue water-proof covering; inside lined with blue velveteen and champagne colored satin. Has highly polished nickel plated "Hoe Type" razor and two packages blades; 5 blades in a package.

No.	Wt. each	Each
6	7 ozs.	$1.50



No. 10

Long, flat case of blue fabrikoid stamped in gold; inside lining of blue velveteen and champagne colored satin. This set contains the regular long handle razor, nickel plated blade holder and safety guard. Handle of mahogany finished celluloid. Ten blades.

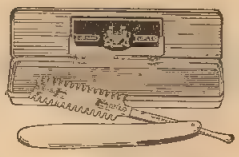
No.	Wt. each	Each
10	5 ozs.	$1.50

No. 7

Case of attractive grained white celluloid with form fitting platform for razor. Contains the regular long handle razor, nickel plated blade holder and safety guard. Handle of mahogany finished celluloid. Ten blades.

No.	Wt. each	Each
7	3 ozs.	$1.50

All above, one in a box



No. 1

Sanitary ivory grained celluloid case. Outfit consists of one Durham Duplex Razor with attractive white handle, safety guard and package of five blades.

No.	Wt. each	Each
1	3 ozs.	$1.00

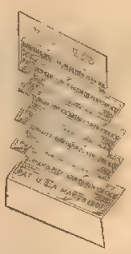
No. 2

Soft red leather roll case. Handy and convenient. Contains razor and safety guard. Also has two pockets, which hold stropping attachment and package of five blades. Patent fastener.

No.	Wt. each	Each
2	3 ozs.	$1.00

Above, one in a box

BLADES



Made of finest Swedish steel, oil tempered, hollow ground, double edged. Wrapped in attractive tabbed folder.

	Wt. per carton	Per pkg.
Blades, package of 5s	7 ozs.	$0.50

Twelve packages of five blades in a carton.

BLACKSMITHS ANVILS

ARM AND HAMMER BRAND

Regular

Made of American ingot or wrought iron, welded at the waist, thus making a solid forging, to which is welded a solid plate of crucible cast steel, making a perfect weld Special temper of edges to prevent chipping; face level and true and of correct proportion, horn and heel of correct proportions; hardy and pritchel holes of correct sizes and accurately placed. Base with sufficient area or spread so as not to require strapping down, thus insuring greater stability and absence of rocking or tipping.

Standard Dimensions of Size of Face to Weight

Weight, Lbs	Size of face, Inches	Size of Hardy Holes, Inches	Advances Per Lb.
70 to 80	3½x12½	⅞	80 00½
80 to 90	3½x13	⅞	Base
90 to 100	3½x13½	⅞	Base
100 to 110	3¾x14	1	Base
110 to 120	3¾x14½	1	Base
120 to 130	3¾x15	1	Base
130 to 140	4 x15½	1⅛	Base
140 to 150	4 x16	1⅛	Base
150 to 160	4 x16½	1⅛	Base
160 to 175	4¼x17	1⅛	Base
175 to 200	4¼x17½	1⅛	Base

Note—Pritchel hole, base sizes ½ to ⅞ inch; other sizes in proportion.

Open stock.

SOUTHERN CRESCENT

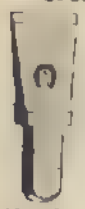
Steel Face

The face is one solid piece of tool steel, tempered, highly polished and warranted to be true The horn is covered with, and its extremity made entirely of tough untempered steel. Body of anvil made of best grades of pig iron, and being much more solid than wrought iron, the work being forged receives the full force of the blow. Face and horn warranted to be thoroughly welded to the body of the anvil and not separate

Nos.	7	8	9	10	12	15
Wt. each, lbs.	70	80	90	100	120	150
Each	$15 00	16 00	18.00	20 00	24 00	30 00

Open stock

BLACKSMITHS ANVIL TOOLS



BLACKSMITHS HARDIES

Sets in anvil and used for cutting off forgings.

Forged from high grade steel, hardened and tempered Black forge finish and oiled. Square shanks

No. 1310—Regular Hardies

Shanks, inches	⅝	¾	⅞	1	1⅛	1¼
Bits, inches	1⅝	1⅞	2	2¼	2½	2½
Wt. each, lbs.	1	9¼	1¾	2	2½	2¾
Each	$0 80	90	1 10	1 20	1 50	1 70

Open stock.

BLACKSMITHS ANVIL TOOLS

SWAGES

Used for shaping, sizing and smoothing round forgings. Sizes given are the diameter of round bar to which the swage will finish

Top Swage

No. 1190

Bottom Swage

No

Forged from high grade steel, hardened and tempered.

Black forged finish and oiled

Note—Bottom swage has ¾ inch shank for 1 inch anvil hole.

No. 1190—Top Swages

Size, In.	Wt. Each Lbs.	Each
⅜	2½	$1 50
½	2½	1 50
⅝	2½	1 70
¾	3¼	2 00
⅞	3¼	2 00
1	3¼	2 00
1⅛	3¾	2 30
1¼	3¾	2 30

No. 1200—Bottom Swages

Size, In.	Wt. Each, Lbs	Each
⅜	2	$1 50
½	2½	1 50
⅝	2½	1 70
¾	2½	2 00
⅞	2½	2 00
1	3	2 00
1⅛	3	2 30
1¼	3	2 30

Open stock.

FULLERS

Used for necking and grooving forgings, and for drawing down a forging to a smaller size.

Top Fuller

No

Bottom Fuller

No 1220

Forged from high grade steel, hardened and tempered. Black forge finish and oiled.

Note—Bottom Fuller has ¾ inch shank for 1 inch anvil hole

No. 1210—Top Fuller

Size, In.	Wt. Each Lbs.	Each
⅜	2¾	$1.70
½	2¾	1 70
⅝	2¾	1 70
¾	2¾	1 70
⅞	3	2 00
1	3	2 00
1¼	3½	2 10

No. 1220—Bottom Fuller

Size, In.	Wt. Each Lbs.	Each
⅜	2¾	$1 70
½	2¾	1 70
⅝	2½	1 70
¾	2½	1 70
⅞	2½	2 00
1	2½	2 00
1¼	3½	2 10

Open stock

FLATTERS

For smoothing and finishing flat forgings.

Forged from high grade steel, hardened and tempered

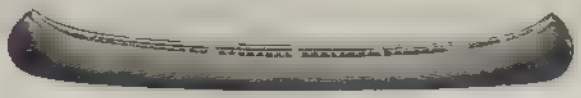
Black forge finish and oiled

No. 1230—Flatters

Size, Inches	2	2½	2¾	3	3½	4
Wt. each, lbs.	2	3¼	3½	4½	5	5
Each	$1.80	2 40	2 70	3 00	4.20	6 00

Open stock

CANOES



Selected cedar ribs and planking, covered with water-proof duck. Made with a wide flat bottom and at the same time has a comparative narrow appearance along the gunwhales, this being accomplished by the use of the tumblehome or incurve of the ribs, above the waterline. The hardwood stems are well curved and set off the smooth sweep of the open gunwhales and the 18 inch arrowhead decks. This type especially adapted for western usage in swift streams and shallow lakes.

ARROWHEAD MERAMEC MODEL

Hardwood outside gunwhales, decks, thwarts and seats, inside gunwhales of one piece selected spruce.

Nos.	1M-16	1M-17	1M-18
Length, ft	16	17	18
Width, ins	34	35	36
Depth, ins	11½	12	12½
Wt each, lbs	70	75	80
Each	✦$187 50	✦198 00	✦205 50

Crated.

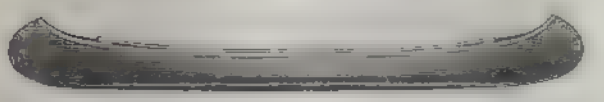
ARROWHEAD OSAGE MODEL

Mahogany gunwhales, decks, thwarts and seats.

Nos.	1-0-16	1-0-17	1-0-18
Length, ft	16	17	18
Width, ins	34	35	36
Depth, ins	11½	12	12
Wt each, lbs	70	75	80
Each	✦$214 50	✦219 00	✦228 00

Crated

ARROWHEAD GASCONADE MODEL



Mahogany gunnels and decks built with half ribs only.

Selected cedar ribs and planking, covered with water-proof duck. Made with a wide flat bottom and at the same time has a comparative narrow appearance along the gunwhales, this being accomplished by the use of the tumblehome or incurve of the ribs, above the water line. The stems are well curved and set off the smooth sweep of the open gunwhales and the 30 inch mahogany arrowhead decks. Especially adapted for western usage in swift streams and shallow lakes.

Nos.	2G-16	2G-17	2G-18
Length, ft	16	17	18
Width, ins	34	35	36
Depth, ins	11½	12	12½
Wt each, lbs	70	75	80
Each	✦$225 00	✦234 00	✦243 00

Crated.

✦F. O. B. Missouri Factory Only.

CANOES

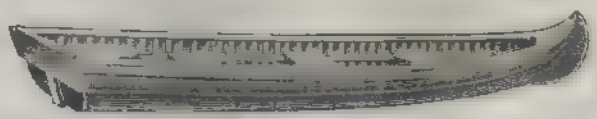
ARROWHEAD TORPEDO MODEL

Selected cedar ribs and plankings, covered with waterproof duck. Made with a wide flat bottom and at the same time has a comparative narrow appearance along the gunwhales, this being accomplished by the use of the tumblehome or incurve of the ribs, above the waterline. The hardwood sterns are well curved and set off the smooth sweep of the open gunwhales and the 18 inch arrowhead decks. This type especially adapted for going over shallows and down rapids.

Nos.	3T-16	3T-17	3T-18
Length, ft	16	17	18
Width, ins	34	35	36
Depth, ins	11½	12	12½
Wt each, lbs	70	75	80
Each	✦$201 00	✦213 00	✦219 00

Crated.

ARROWHEAD SQUARE STERN MODEL



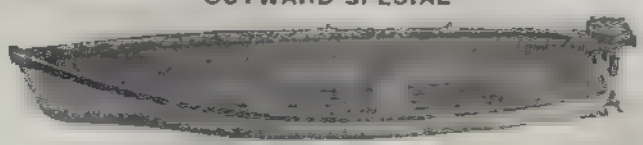
Selected cedar ribs and plankings, covered with waterproof duck. Made with a wide flat bottom. Especially designed for the outboard motorist. So constructed that motor vibration cannot rack loose the sponson, nor weaken the canoe. This type square stern canoe is a smooth riding, swift and safe achievement.

	Without Sponsons	With Sponsons
Nos.	4SS-16	4SSS-16
Length, ft	16	16
Width, ins	41	41
Depth, ins	14	14
Wt each, lbs	150	185
Each	✦$261 00	✦318 00

Crated.

STEEL ROW BOATS

MULLINS OUTWARD SPECIAL



Designed and especially constructed for the application of detachable row boat motors. Equipped with bottom boards, rowing braces, one pair oarlocks, tying rings at bow and stern, air-tight compartments, especially constructed and reinforced transom for attaching outboard motors and one pair 7½ ft. straight ash oars. When ordering, specify whether loose or pin type oarlocks are wanted).

Each.

No. 140S—Length 14 ft; beam 48 ins; draft 6 ins; height at bow 27 ins; at stern 25 ins; amidship 20 ins; seating capacity, 7; width at stern 33 ins; height of seat above floor boards 13 ins; 1⅛ in. transom with special corner braces. Finished in aluminum outside, light blue inside, natural wood trimmings; air chambers under deck like a life boat..... ✦$257 40

Crated; wt 315 lbs.

✦Canoes—F. O. B. Missouri Factory Only.
✦Steel Row Boats—F. O. B. Ohio Factory Only.

The Fairform Flyer Sportsmen 42 which features both a large cabin below and a roomy cockpit for fishing and recreation

FAIRFORM FLYERS

IN MANY MODELS

WITH six Quadraconic Hulls, maturely developed through many years and over two million miles of fleet operation from Maine to Australia, as basic chassis, the Huckins Yacht Corporation of Jacksonville offers a wide variety of twin screw models, to suit any pocketbook or purpose.

Among them are the Sportsman 32, 36 and 42, which combine excellent facilities for fishing and cruising. The 42 is actually 43 feet 4½ inches long with a beam of 12 feet 2 inches, making it a fine large boat. The smaller pair are arranged with a single cabin while the 42 has two cabins with sleeping accommodations for up to six persons. The Sea Horse 32 and 33 are generally similar differing only slightly in size. They are intended primarily as day boats and, therefore, not provided with large cabins arranged for sleeping accommodation. There is a small cabin which houses the lavatory and provides some shelter, but the main portion of the boat is occupied by a rather large cockpit in keeping with its use as a day boat.

Sedan models are produced in a number of sizes. These begin at 32 feet and step upward through 38, 42, 45 and 48 feet lengths. All are featured with a snappy sedan enclosure amidships which serves as a deck saloon and affords permanent shelter to the helmsman as well as the passengers. The difference in size obviously makes possible a more roomy and commodious craft in the larger sizes, and permits accommodations and comforts not possible in the smaller models. The increase in size also allows fuller and more complete accommodations in the cabin space below.

A fast commuter of 32 feet is also on the lists. This is an extremely fast boat and can be driven as high as 50 m.p.h. with a suitable power plant. As its name indicates, it is of the commuter type intended more particularly for fast ferry service rather than for more extensive cruising.

Largest of the Fairform fleet are the Offshore 48, 56 and 60-foot yachts. These are large handsome seagoing craft of exceptional ability. Any reasonable combination of power plant can be supplied ranging from a single to quadruple engines and propellers. Speeds as high as 45 knots are promised.

The 48 Sedan is available with diesels for speeds to 26 m.p.h. and with Scripps V-12-300 series engines for a top speed of 35.2 m.p.h. and sustained ocean cruising at 27.4 m.p.h.

The first of the new Offshore 60's is scheduled for launching late in February. She is equipped with a pair of Gray-General Motors 6 diesels and will have a cruising radius of 1,800 nautical miles. Her Pacific Coast owner plans a cruise to Alaska and to the tip of the Aleutian Islands. If the international situation permits, he may likely continue to Kamchatka and Siberia. Her designer, Frank Pembroke Huckins, faced no small problem in retaining her planing qualities while carrying some 12,000 pounds of fuel oil, not to mention the weight of electrical refrigeration, and a heating system with hot water radiators in every cabin.

This same 60 model has optional arrangements for twin, triple and quadruple screw diesel or gasoline engines, for speed to 45 knots.

Although the impression persists that the Fairform Flyer is high priced, such is not the case. The new Sportsman 42, illustrated, is typical. Her selling price is no higher than a number of single screw boats on the market of comparable size, yet she is powered with a pair of gear reduction eight cylinder Kermath engines.

She has an excellent stateroom forward, followed by a hallway, big wardrobe and toilet room with the Fairform electric toilet. Then comes a roomy main cabin, followed by a well equipped galley. Berthing for eight is available. The cockpit is sixteen feet long, with clear floor space almost big enough to pull a whale aboard.

New Cars and Models

Packard Refinements

Many Changes Made in Engine and Chassis

THE Packard Motor Car Co. has introduced a number of refinements in both its Six and Eight cylinder models, chief among which are the Skinner oil rectifier at the engine, the Bijur chassis lubricating system and an unconventional front spring layout in which shackles are located at front and anchors at the rear.

In addition, detail changes have been made in practically every unit of the two models. Improvements have been made in the clutch and universal joint construction. The engine oiling system has been refined, the valve mechanism has been the subject of detail improvements, and counterbalances have been placed on the crankshafts. The bore of the Single Six engine has been increased from 3¾ to 3½ in. No changes have been made in the prices although complete accessory equipment, balloon tires and disk wheels are now furnished on all models.

A total of 45 points are lubricated by the Bijur system throughout the chassis. All these points can be lubricated when the car is in motion or at the curb by merely pulling back the plunger of the hand pump and then releasing it. Changes in the universal joints make lubrication at these points necessary less frequently as oil is now used.

In the place of the former metallic joint at the front end of the torque arm, a fabric construction has been substituted. Another outstanding chassis change is in the front spring layout. Where the front springs usually are anchored at the front and shackled at the rear, this arrangement has been reversed and the springs have been underslung on the axle, with the idea of reducing wheel shimmy.

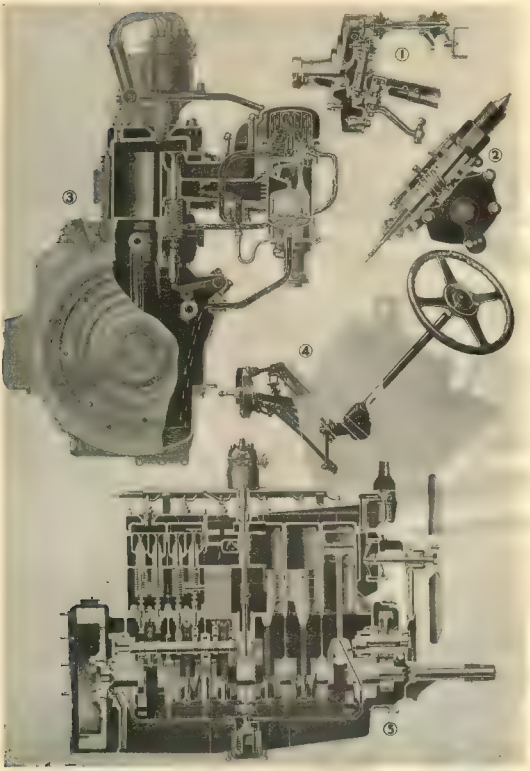
In conjunction with the new spring arrangement, the depth of the frame side channels has been increased to 8 in. on both Six and Eight. At the rear end of the frame, the characteristic Packard spring horn has been supplanted by the more usual type, together with a provision for mounting of the bumper.

The Skinner oil rectifier is carried on the exhaust manifold just aft of the carburetor and fuelizer, and in the Single Six engine, the crankshaft bearings have been made the same diameter as those of the Eight, the main bearings being 2⅝ and the crankpins 2⅛ in. in diameter. In the six cylinder engine additional weight has been added to the rim of the flywheel.

On both models, the dry plate, multiple disk clutches are continued, although the construction of the outer member or housing has been modified to eliminate dirt. Gear-shifting has been improved by decreasing the weight of the transmission gears. Gears are finished all over and the teeth are ground.

The length of the rear springs on the six has been increased two inches. No changes have been made in body styles with no additions or eliminations in the choice of bodies.

Packard Six chassis showing the Bijur chassis lubrication system



Mechanical details on Packard Six

1. Section view showing front axle details. 2. Worm and sector steering gear that has replaced the older worm and nut type. 3. Cross section of Packard Engines showing roller tappets, tip on the piston skirt, and details of the rectifier installation. 4. Walnut steering wheel and steering connections. 5. Valve side of engine. Note the counter weights on the crank shaft.

TURN THE CLOWNS LOOSE

TOBY WELLS TRIO

FAIR TIME IS FUN TIME

Grotesque Tumbling—Hilarious Absurdities

THEIR ORIGINAL BIG STAGE ACT

Also Two Circus Clown Track Numbers

Famous Funsters Including "TOBY WELLS HIMSELF"

EVERY ACT IN THIS CATALOG CONTROLLED EXCLUSIVELY BY **WORLD AMUSEMENT SERVICE ASSOCIATION, Inc.**

"SERVICE and SATISFACTION"

GIGANTIC FUNSTERS

ASAW ELEPHANTS

PONDEROUS PACHYDERM ACROBATS

FASTEST, MOST ORIGINAL ELEPHANT EXHIBITION

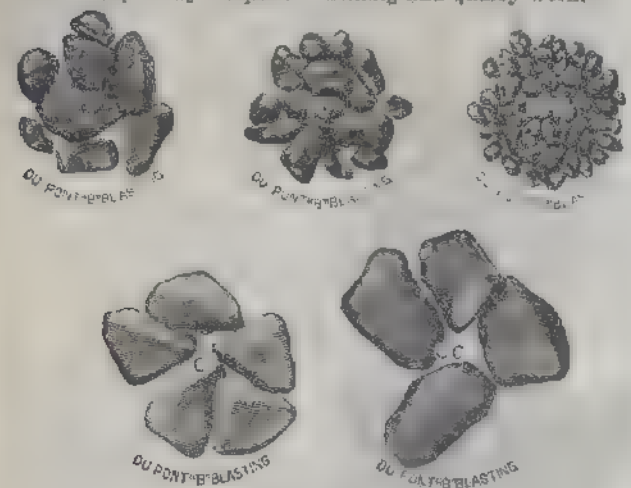
"KATY"—"JENNIE"—"BABE"

Shaking, Quaking, Quivering Shimmy Dancers

WORLD'S LARGEST SYNCOPATING TRIO

BLASTING POWDER

Especially adapted to mining and quarry work.



Nos.	F	FF	FFF	C	CC
Per Keg	Prices on application.				

In 25 lb metal kegs.

DYNAMITE

For quarrying, mining sinking wells and shafts, railroad and contract work, submarine and boulder blasting; removing stumps and dirt blasting.

Packed in paper cartridges, protected by a coating of paraffine. The standard size is 1¼ in. diameter by 8 ins. long, but for special conditions cartridges of any convenient size are manufactured.

We can furnish dynamite (all numbers) in sticks as per following weights and measurements at regular prices.

Size stick, in.	⅞x8	1x8	1⅛x8	1¼x8	1⅜x8	1¾x8	2x8
Wt stick, oz.	4¼	5¾	6½	8	12⅛	16	20

NITRO GLYCERINE

Especially adapted to work when the rock is not seamy and when it takes an extra strong explosive; also used in water holes.

No. 33N—33%
No. 40N—40%
No. 50N—50%
No. 60N—60%

Low Freezing.
No. 20NLF—20%

Prices on application.

AMMONIA OR EXTRA

To be used in underground work that is practically dry and when rock is seamy. It is a slower powder than nitro glycerine but will do the same work, only has less breaking force.

No. 33A—33%
No. 40A—40%
No. 50A—50%
No. 60A—60%

Low Freezing.
No. 25ALF—25%
No. 33ALF—33%
No. 40ALF—40%
No. 50ALF—50%
No. 60ALF—60%

Prices on application.

The above is packed regularly in boxes of 50 lbs each but can be furnished without extra cost in packages as follows: In 10 lb cartons, 5 cartons in case bulk, in boxes of 25 lbs each.

DYNAMITE

GELATINE

Used in submarine and tunnel work. Not affected by water for several hours, unless the water is colder than 45 degrees F. or 50 degrees F.

No. 60G—60%. For submarine or tunnel work.

Prices on application.

BLASTING MACHINES

RELIABLE PUSH DOWN

A magneto-electric instrument having a magnet of horseshoe character, wound with coils of insulated copper wire; hardwood box, dovetailed; leather carrying handle; hardwood grip on push down lever; thumb pattern connecting screws. Used for firing long distance blasts, either single or in batteries. Especially adapted for railroad, quarrying and mining, submarine blasting, etc.

Nos.	3	4
Max. fuse capacity	30	50
For No. of posts	2	3
Wt each, lbs	31	60
Each	$117 00	153 00

One in crate.

DAVIS

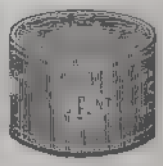
The outer case is made of seamless brass tubing; heavily nickel plated; aluminum top and bottom plates; removable leather carrying strap. Substantially built to stand hard service. Equipped with detachable operating key which may be kept in the possession of the shot-firer preventing the operation of the machine by any other person.

	Each
No. 1 Size 2x4x4¼ ins; capacity five 6 ft iron wire, or five 30 ft copper wire, electric blasting caps	$60 75
No. 2 Size 7½x5½x2½ ins; capacity ten 6 ft iron wire, or ten 30 ft copper wire, electric blasting caps	84 00

One in wood case; wt each 5 lbs.

BLASTING CAPS

Blasting caps cannot be shipped with dynamite.



Note—Sextuple force, should be used on Monobel and Galatine dynamite.

No.	6
Less than 1000, Per 1000	$42 00
1000 or more, Per 1000	37 80

100 in metal box; wt per box about ½ lb.

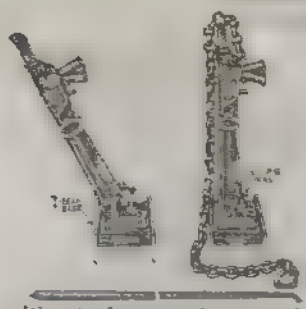
ELECTRIC FUSES

To be used for exploding dynamite with an electric battery. Double wound insulation; sextuple strength caps, cotton covered wires. Every exploder warranted perfect.

Nos.	4	6	8	10	12
Length wire, ft	4	6	8	10	12
Wt per 100, lbs	3½	5	5¾	7½	9
Less than 1000, Per 100	$18 75	21 00	23 25	25 50	27 75
1000 or more, Per 100	16 89	18 90	20 91	22 95	24 99

50 in box.

POLE JACKS



SIMPLEX

Single Acting, Automatic Raising and Lowering.

Malleable iron standard steel I beam base, drop forged steel working parts. Designed especially for pulling and straightening telephone, telegraph, electric light and trolley poles regardless of size, any depth in ground without digging around them. One or two men can pull or straighten poles, pull butts or move loaded poles without interrupting service. Endorsed, adapted and standardized by the Bell Telephone Companies, Western Union, Postal Telegraph and many other telephone, electric railway and power companies. Furnished with 8 foot steel chain and 5 foot steel pinch bar.

Each

No. S329—Capacity 15 tons; height 39 ins; lift 23 ins...$144 00

Packed loose; wt each 95 lbs.

INDUSTRIAL JACKS

SIMPLEX

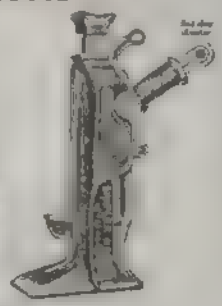
Single Acting, Automatic Raising And Lowering.

A powerful, sturdy, highly efficient jack. Built without a machine screw. Working parts steel drop forgings. Furnished with 5 foot steel lever. Designed and recommended for electric and steam railway [illegible] poles, pipe lines, general [illegible]

Each

No. S22 Capacity 10 tons; height 21¼ lifts 10½ ins $51 00

Packed loose; wt each 77



SIMPLEX MINE JACKS

Single Acting, Automatic Raising And Lowering.

Sturdy malleable frame, simple, positive, dependable operating mechanism, drop forged steel working parts. Furnished with 5 foot steel lever.

Recommended for shop and industrial service, also for handling mining and other machinery, mine cars, tractors, heavy trucks and general utility.

Each

No. S85—Capacity 5 tons; height 17 ins; lift 10½ ins; wt each 26 lbs $30 75

No. S86 Capacity 5 tons height 20¼ ins; lift 13¼ ins; wt each 34 lbs +33 00

Packed loose.

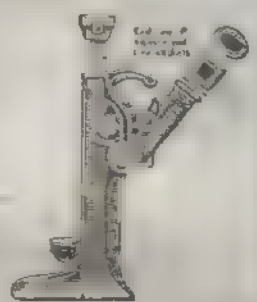
TRACK JACKS

SIMPLEX

Tripping Type, Double Acting, Operating On The Upward And Downward Strokes Of The Lever.

Especially designed for track work, because of their short fulcrum centers which gives greater lifting power.

The working parts are heat treated drop forgings. The base is cored or concaved, which insures a firm [illegible] and safe grip against penetrating. Furnished with steel shoes and 5 feet oval poles. [illegible] by the largest railroad systems.

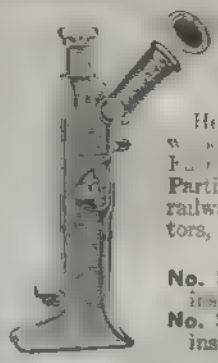


Nos.	S101	S106
Capacity, tons	10	15
Height, ins	25	29
Lifts	12½	17½
Wt each, lbs	[illegible]	[illegible]
Each	$36 00	46 65

Packed loose.

+F. O. B. Illinois Factory Only.

CAR JACKS



SIMPLEX

Single Acting, Automatic Raising And Lowering.

Heavy malleable frame, drop forged steel working parts. Built without a machine screw. Furnished with oval socket and 6 foot oval pole. Particularly adapted for steam and electric railway service, contract car shops, contractors, steel mills and general industrial duty.

Each

No. S24—Capacity 15 tons; height 23 ins; lift 13 ins; wt each 87 lbs... +$75 00

No. S29—Capacity 15 tons; height 28 ins; lift 18 ins; wt each 92 lbs 81 00

Packed loose.

SAND DRYING STOVES

—BLUE GRASS—

These stoves are in general use by railroads, trolley lines contractors, coal companies, etc. Adopted by the United States Government for the Navy Yards and Panama after a competitive test.

The wet sand is shoveled into top skirting and as it dries, will, of itself, run through the holes in the [illegible] at the bottom. The amount of sand the stove will dry depends upon how wet the sand is and upon the condition of the fire in the stove.

The stove may be fed with hard or soft coal, coke or wood. Clear sand only can be used, as earth or clay bakes hard.

Complete Without External Gratings.

Nos.	1BG	2BG	3BG
Drying capacity, tons daily	10	5	[illegible]
Capacity hopper, cubic ft	18½	8½	[illegible]
Height over all, ins	[illegible]	49½	[illegible]
Size of fire door, ins	10x12	10x12	11x11
Grate diam, ins	22	15	12½
Skirting at top, diam, ins	52	40	30
Distance from inside fire door to back of stove, ins	33	27	23½
Thickness of casting, ins	1¼	⅞	[illegible]
Approx wt each, lbs	1200	700	465
Each	+199 50	+117 00	+108 00
Shipped loose.	*$75 00*	*60 00*	*40 00*

EXTERNAL GRATINGS FOR SAND DRYING STOVES

—BLUE GRASS—

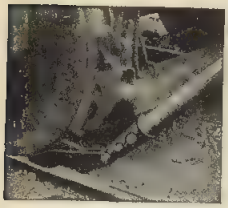
Upright cast iron grating which surrounds the main body of the sand dryer, leaving an air space of about 1½ inches between grating and body of stove. This prevents the wet sand from coming in contact with the hot furnace. It permits it to dry much more rapidly and adds greatly to the life of the stove by preventing baking of sand and consequent burning of castings.

Nos.	1GBG	2GBG	3GBG
For Stove Nos	1BG	2BG	[illegible]
Each	+41 25	+32 25	+28 50
Shipped loose.	*$20 00*	*12 00*	*10 00*

+Nos. 1BG, 2BG, 3BG, 1GBG, 2GBG, and 3GBG, F. O. B. Pennsylvania Factory Only.

+No. S24—F. O. B. Illinois Factory Only.

Atlas Car Movers

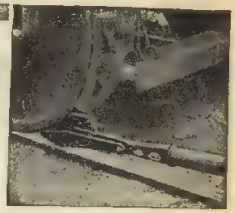


The Beginning of Movement

A very powerfu device for starting and moving loaded cars by hand. The compound lever arrangement causes the wheel to go forward and does not lift it from the rail as in the case of many car movers.

No. 10 is equipped with double spurs for use if the rail is unobstructed on the sides one-half inch down. Weight 19 pounds. Length 5½ feet.

Price, each..... $8.00



The End of Movement

Repair Parts for Atlas Car Mover

No. 4—Link, with 2 Rivets.....	$0.60
No. VI—Arch Lever, or Knee, 2 Rivets....	.90
No. VII Socket, with Bolt and 1 Rivet . .	2.00
No. VIII—Shoe, with Bolt and 1 Rivet.....	2.00
No. X –Shoe, with Bolt and 1 Rivet.....	$2.00
Handle	2.00
Plate or Clamp.	.40
Double or two-piece Spur, per pair, ½x1¼".....	.50

The New Badger Car Mover

This car mover is provided with an unbreakable cast steel shoe

Length over all, 65 inches. Weight, 17 pounds.

Price each..... $8.00

No B Socket . . .	$3.00
No C Cam.... . .	1.00
No A Shoe (Steel)	2.25
No D Spur Clamp	.50
No. 20 Handle, Select Maple	2.00
No. 21 Bolt for Clamp No. 15.....	.10
No. 22 Slip-Proof Safety Spurs—per set of two..	$0.50
No. 23 Bolt for Socket No. 1 ..	.20
No. 24 Rivet for Cam No. 3.....	.10
No. 25 Hard Steel Nose Point for Shoe No. 4..	.30

Samson Railway Car Mover

The leverage of this Mover being compound, as soon as pressure is brought to bear upon the handle, the two points will come in contact with the car wheel at the proper rolling distance from the point where the wheel rests on the rail and in consequence, the wheel begins to turn instead of being lifted from the track. Weight, 15 pounds.

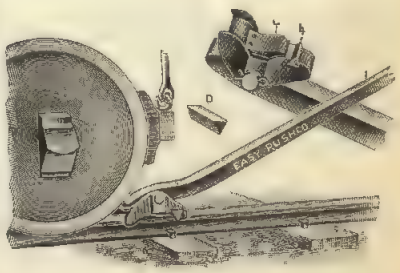
Samson Railway Car Mover. Price, each..... $8.00

Repair Parts for Samson Railway Car Mover

No. 0 Cam.....	$0.40
No. 2 Wood Handle.....	2.00
No. 3 Square Spur, ⅞x3 inches.	.50
No. 4 Spring.... ...	.50
No. 5 Arm with Cam . .	2.50
No. 8 Shoe for Square Spur	$2.00
No. 11 Clamp.....	.40
No. A Clamp Bolt. . . .	.10
No. B Shoe Bolt	.10
No. C Shoe Rivet. . . .	.05
No. D Cam Pin.....	.05

When ordering spurs to replace those worn out by long use, please state exact size and shape of ones wanted.

"Easy" Steel Car Pushers



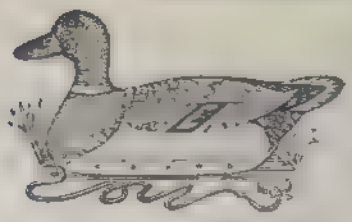
The bar "A is steel, the shoe is malleable; the bit "D" is of the finest tool steel; the spring "C" is also of fine steel. Weight 20 lbs. Length 5½ feet.

Price each..... $8.00

Triangular spurs, each..... .50

DECOYS

DUCKS, AUTOMATIC CANVAS



Collapsible decoys, canvas body, wooden float and head block, one wire spring head support, one wire tail support.

These automatic canvas decoy ducks, open up automatically, there is no adjustment, nothing necessary but the simple use of the anchor cord in the regular manner. This decoy automatically expands by means of a spring when the anchor cord is unwound, such cord being wound around the decoy, holds same in collapsed position. Complete with anchors and cords, assorted 6 males and 6 females to the dozen.

Per Doz

No. ACM—Mallard $30 00

One doz in cardboard box; wt per doz about 14 lbs.

WOOD

BLUE WING TEAL

MALLARD

PIN TAIL BLUE BILL

Seasoned white cedar, hollow flat bottom, will float evenly on the water at all times; well balanced, and painted in natural colors, true to life. Assorted 8 males and 4 females to the dozen.

Premier Hollow Glass Eye.

Per Doz

No. PPTH—Pin Tail $63 00
No. PBBH—Blue Bill 63 00
No. PTH—Blue Wing Teal 63 00
No. PMH—Mallard 63 00

Standard Quality Solid Glass Eye.

Highly seasoned white cedar; solid flat bottom, and glass eyes. Float evenly at all times and painted in natural colors, true to life. Assorted 8 males and 4 females to the dozen.

Per Doz

No. PPTS—Pin Tail $31 50
No. PBBS—Blue Bill 31 50
No. PTS—Blue Wing Teal 31 50
No. PMS—Mallard 31 50

One doz in wire bound wood box, average wt per doz 25 lbs.

CALLS

DUCK, UNION

Seasoned mahogany, natural finish; fitted with flexible reed which gives a non-metallic true tone. Nickel plated coil spring holds wood sections firmly together.

Per Doz

No. 25U—Length 4 ins $15 00

One doz in cardboard box; wt per doz 1 lb.

CALLS

DUCK

EUREKA, Old Style.

Per Doz

No. 1E0—Fitted with hand made rubber reed and rubber and cork inner parts; outer part is hard maple and spun brass; length 4½ ins $20 40

One doz in cardboard box; wt per doz 2 lbs.

DUCK

EUREKA, New Style.

Per Doz

No. 2E10—Hand made rubber reed and rubber and cork inner parts; outer part is hard maple and spun brass; length 4½ ins $27 00

One doz in cardboard box; wt per doz 3 lbs.

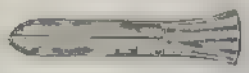
COMBINATION DUCK AND GOOSE CALL

Per Doz

No. 1DDGC—Brass, nickel plated; hand made rubber reed; inner parts are rubber and reed; length over all 5½ ins $31 50

One doz in cardboard box; wt per doz 3 lbs.

DUCK AND SNIPE



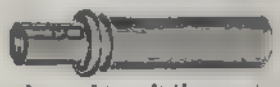
Cocobolo, nickel tip.

Per Doz

No. 2K—Duck Call. Length over all 6 ins $15 00
No. 4K—Snipe Call. Length over all 6 ins 18 90

One doz in cardboard box; wt per doz about 1 lb.

OLT'S DUCK OR CROW CALLS



Made entirely of best hard rubber. Will not swell or shrink in damp weather. The tone is very natural and can be instantly changed to suit the sportsman. Length over all 5½ inches.

Per Doz

No. 1I—Interchangeable $36 00
No. 2NI—Non-interchangeable 17 40

Half doz in cardboard box; wt per doz 1 lb.

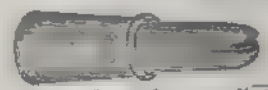
ALLEN'S CROW CALLS

Per Doz

No. 1AC—Best hardwood; nickel plated tip; length over all 4 ins $18 00

One doz in cardboard box; wt per doz 1½ lbs.

DU PONTS CROW CALLS



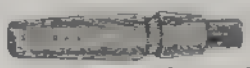
Ivory pyralin; easily taken apart and the reed adjusted to give fine or coarse tone.

Per Doz

No. 10—Length over all 3 ins $18 90

10 in cardboard box; wt per doz ⅝ lb.

ALLEN'S DUCK CALLS



Best hardwood; nickel plated tip.

Per Doz

No. 1AE—Length over all 4½ ins $20 40

One doz in cardboard box; wt per doz 1½ lbs

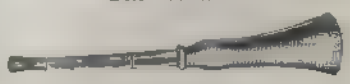
DITTO CROW CALLS

Per Doz

No. 1DCC—Hardwood with red stained mouthpiece; nickel plated metal tip, length over all 4 ins $25 20

One doz in cardboard box; wt per doz 1½ lbs.

TURKEY



Cocobolo; horn tip.

Per Doz

No. 1K—Turkey Call. Length 8 ins; wt per doz about 6 ozs $21 00

One doz in cardboard box.

WHISTLES AND CALLS

BOY SCOUT WHISTLE

Brass, oxidized finish, with emblem of Boy Scout organizations.

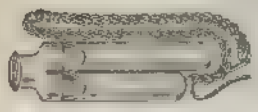
Per Gro
No. 25—Length 2½ ins. $75 60
One doz in cardboard box; wt per doz 9 ozs.

TRIPLEX WHISTLE

Brass, heavy nickel plated ring, three tube whistle, deep tone.

Per Gro
No. 32—Length 6 ins. $150 00
Half doz in cardboard box, wt per doz 22 ozs.

DUPLEX WHISTLE

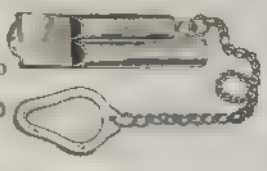


With Chain.
Nickel plated with nickel plated chain.

Per Gro
No. 31—Length of call 3¼ ins, chain 10 ins. $85 50
One doz in cardboard box, wt per doz 15 ozs.

DUPLEX WHISTLE

Brass, nickel with plated chain.



Per Gro
No. 21—Length 2¾ ins; wt per doz 11 ozs. $75 60
One doz in cardboard box.

GENUINE ECHO CALL

Per Gro
No. 12—Nickel plated, with ring; length 2 ins. $69 00
One doz in cardboard box; wt per doz 10 ozs.

ECHO PATTERN

Brass, nickel plated, with ring.

Per Gro
No. 10—Length 1¾ ins. $45 00
One doz on card, six cards in carton; wt per doz 9 ozs.

BRITANNIA

Made of Britannia Metal.

Per Gro
No. 2—Length 1¾ ins; wt per doz 7 ozs. $45 00
No. 3—Length 2 ins; wt per doz 10 ozs. 51 00
No. 4—Length 2½ ins; wt per doz 18 ozs. 75 60
One doz in cardboard box.

Assorted Colors.

Per Gro
No. 57—Length 2 ins. $69 00
No. 58—Length 2½ ins. 94 50
One doz in cardboard box.

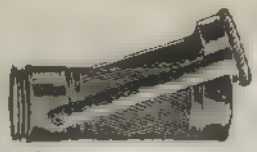
HORN

Made of polished horn curved lip; light weight.

Per Doz
No. 1H—Length 2½ ins. $16 50
No. 2H—Length 2¾ ins. 18 00
No. 3H—Length 3 ins. 20 40
One doz in cardboard box; wt per doz about 6 ozs.

WATERPROOF MATCH BOXES

MARBLE'S



Per Doz
No. 181—Made of seamless drawn brass, heavily nickel plated; about size of 10 gauge shell; absolutely water and moisture proof, sliding cover provided with rubber gasket $15 12
One doz in cardboard box; wt per doz about ¾ lb.

HUNTING KNIVES

UNIVERSAL

Forged polished crucible steel clip blade with guard; genuine stag handle; complete with genuine leather sheath.

Nos.	0020-7
Length, blade ins	7
Wt per doz, lbs	6
Per Doz	$75 00

Half doz in cardboard box.

Forged polished crucible steel clip blade with guard; genuine stag handle; complete with genuine leather sheath.

Nos.	02-5	02-6
Length blade, ins	5	6
Wt per doz, lbs	6	7
Per Doz	$69 00	79 50

Quarter doz in cardboard box.

—JOHN PRIMBLE—

Hand forged from a high grade of crucible steel; scored ebony handles. Guard made of a fine grade of bronze. A genuine leather sheath furnished with each knife.

Per Doz
No. 2JPH-6—6 in. blade $94 50
Half doz in cardboard box; wt per doz 9 lbs.

—JOHN PRIMBLE—

Hand forged from a high grade crucible steel and mounted with a cast metal guard. Scales are genuine ebony. Handle scored to give a perfect grip.

Per Doz
No. 3JPH-6—6 in. blade $28 50
Half doz in cardboard box; wt per doz 4½ lbs.

MARBLE'S

Forged from razor steel; hand tempered and tested and fully guaranteed. The blade is oval ground at back of point for chopping bones, etc. Adapted for sticking and skinning.

MARBLE'S IDEAL

Handle constructed of leather washers with brass bolster at end. Tang entire length of handle and fitted with ½ in. countersunk brass nut. Furnished with tube sheath and aluminum sheath protector.

Each
No. 41-5—5 in. blade $6 27
No. 41-6—6 in. blade 6 84
Half doz in cardboard box; wt per doz 5½ lbs.

AUTO SUPPLIES

There are a few specialties in Auto Supplies that any merchant **ought** to carry if he really wants to keep up a steady increase in volume. They are all here and at right prices.

"SHALER" 5 MINUTE TUBE VULCANIZER

4K7640—Complete outfit mends all tire punctures perfectly without heat, cord or fabric. Using a chemical, treated like rubber, with patches and liquid cement. Outfit in carton with full directions. Outfit **$1.05**

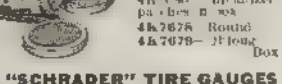
"SHALER" PATCHES FOR VULCANIZER

4K7650—For use with vulcanizer. 12 patches in box. Box **52c**

4K7676—Round

4K7679—Oblong

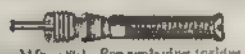
"SCHRADER" TIRE GAUGES



"Universal"

4K8275—(Mfrs. 561) Brass, nickel plated registers 20 to 120 lbs. Each in leather case. Each **$1.00**
10 or more, Each **.94**

"SCHRADER" VALVE INSIDES



4K9220—Mfrs. 801. For replacing insides that are worn or broken. Fits any "Schrader" automobile, motorcycle or bicycle valve. In handy tin box. Box **21c**
100 or more, Per 100 **$3.95**

TUBE REPAIR OUTFITS

"Monkey Grip"—Pure rubber patching material, same tensile strength as tube, will not creep or loosen. Outfit consists of patching material, tube of cement and buffer in box. Outfits in individual cartons.

4K7670—27 sq. in. material. Each **30c**

4K7671—45 sq. in. material. Each **50c**

4K7673—72 sq. in. material. Each **60c**

"Stickite"—Pure rubber, permanent repair material for all kinds of tube repairs, complete with tube of cold patch cement, buffer and instructions for using. ½ doz. outfits in container.

4K7654—36 sq. in. material. Doz. outfits **$1.80**

4K7655—109 sq. in. material. Doz. outfits **$4.20**

Top Recovers for All Cars

In ordering be sure to state name, year and model of car for which recover is desired; also whether roadster or touring.

Stout long grain dark back material, carefully tailored and guaranteed to fit perfectly. Gipsy style back curtain plate glass light, 18 in. long, 8 in. wide complete with fasteners, welt and tacks for attaching. Complete outfit with directions for attaching in heavy fiber carton.

➡**4K8281**—Complete with clear sight set in oblong Japanned frame. Each **$12.50**

➡**4K8282**—Complete with beveled light set in brass frame, heavily nickeled. Each **13.75**

Made special to order and requires 4 or 5 days to make shipment.
➡*Shipped from factory F. O. B. Central Ohio.*

"STURDY" RELINERS

4K7601—80x3½, 17 oz. tire fabric shaped to fit tire perfectly, carefully vulcanized, coated with special self vulcanizing cement. 1 in carton. Each. Out

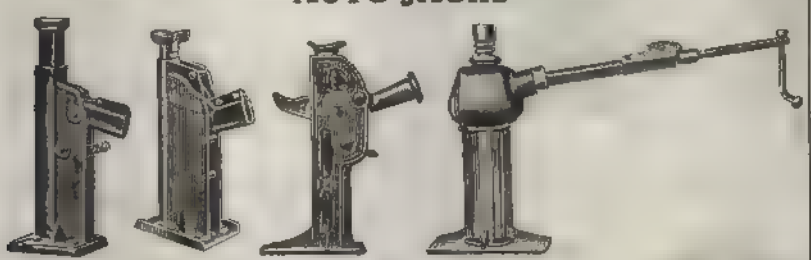
TIRE COVERS

Patent Leather Finish

Black lustrous patent leather finish drill, easy to keep clean, nothing to discolor, snug fitting, large snap fasteners, studs for proper adjustment, eyelet vent at bottom for drainage. 1 in carton.

		Each
4K8840	30x3½	$1.35
4K8841	32x3½	1.60
4K8842	31x4	1.60
4K8843	32x4	1.60
4K8846	34x4	1.75

AUTO JACKS



4K8169—"Leader," pressed steel construction, 6½ in. high when lowered, 9 in. when raised, with compartment for tools. Guaranteed 1 in pkg. Each **58c**

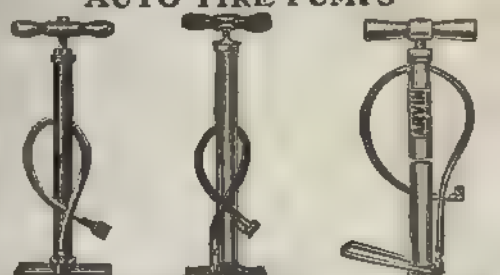
4K8170—"Walker Bulldog" Steel Jack. Mfrs. No. 6060. 10 in. high, raise 6½ in. 2,000 lbs. capacity. Pressed steel body with malleable iron pawls, axle, pin and teeth. Extra large heavy base, 15 in. long, wt. 6 lbs. Each **98c**

4K9284—"Eureka," 10½ in. high, 6½ in. raise, capacity 1,500 lbs., malleable iron frame, screw operated to quick work bar for low positions, extra large base 14 in. hardwood handle. Each **$1.15**

Note the long folding handle that makes this jack easy to use.

4K9292—Eureka," screw jack, 10½ in. high, 5 in. raise screw type, ball bearing, 1,000 lb. capacity, folding handle, easy to get under, in special bag and easily operated. 1 in box. Each **$2.75**

AUTO TIRE PUMPS



4K9064—"Wonder Value," 20 in. high, 1¼ in. cylinder, black enamel finish, 7/8 in. natural wood handle, inlet 1 3/4 in. from base, 30 in. long with improved connection. 1 in carton. Ea. **58c**

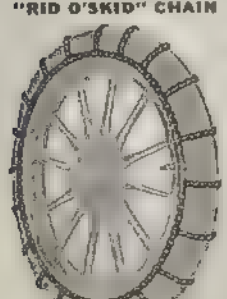
4K9067—"Peerless," 20 in. high, 1¼ in. heavy steel cylinder. Attractive blue enamel, black and nickel fittings, patented exhaust suction, 24 in. 3 ply rubber hose, thumb lock connection. 1 in box. Each **$1.85**

4K9070—"Arvin" well known automatic, 4½ in. revised, extra high oversize handle, 30 in. hose. All fittings nickel and handle solid black enamel. Especially adaptable to be used on tires. Guaranteed 8 years. 1 in carton. Each **$1.95**
3 or more, Each **1.90**

TIRE CHAINS

Quantity prices apply on solid or assorted sizes

"RID O'SKID" CHAIN



4K9311—30x3½ wagon and truck for pneumatic tires. Anti-skid chains to meet the requirements of those of whom ask the cheapness in the cost considered. Each pair in canvas bag. Pair **$1.85**
10 prs. or more, Pair **1.72**
50 prs. or more, Pair **1.69**

WEED "ANTI-SKID" TIRE CHAINS

Electrically welded steel chains, brass plated cross chains. 1 pair in bag.

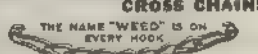
For Pneumatic Regular Tires—

	12 prs. or more, Pair	Single Pair
4K9340—30x3	$2.93	$3.15
4K9341—30x3½	3.34	3.75
4K9134—31x4	3.58	3.85
4K9335—32x4	3.58	3.85
4K9130—33x4	3.74	4.03

For Pneumatic Truck Tires—

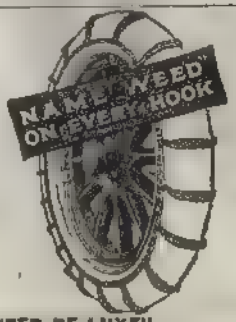
	10 prs. or more, Pair	Single Pair
4K9380—32x4	$5.85	$6.30

WEED "ANTI-SKID" CROSS CHAINS



For replacing worn or broken cross chains. Famous hard but not brittle.

	Per 100
4K9450—25 in. pkg.	$5.08
4K9451—4 in.	5.60
4K9452—4½ in.	6.30



"WEED DE LUXE" CROSS CHAINS

Reinforced links, give double mileage, flattened cross links prevent injury to tire. ½ in. 25 in. pkg.

	Per 100
4K9470—3½ in.	$6.30
4K9471—4 in.	7.00
4K9472—4½ in.	7.70
4K9473—5 in.	9.10

WEED "DE LUXE" TIRE CHAINS

Made oversize—same chain for cord or fabric tire

Practical experience, scientific research and road tests have developed notable improvements which are embodied in Weed De Luxe chains. Reinforced links increase traction and double mileage. "Twin-Loc" side chains link without excessive strain from any angle, lever locking connecting hook draws side chains together and securely locks with pressure of thumbs. 1 pr. in bag.

	10 prs. or more, Pair	Single Pair
4K9450—30x3½	$3.25	$3.50
4K9451—32x3½	3.58	3.85
4K9452—31x4	3.90	4.20
4K9453—32x4	3.90	4.20
4K9454—33x4	4.23	4.55
4K9455—34x4	4.55	4.90
4K9456—35x4½	4.55	4.90
4K9457—34x5	4.71	5.08
4K9458—33x5	4.88	5.25
4K9459—35x4½	5.20	5.60
4K9460—33x5	5.53	5.95
4K9461—35x5	5.85	6.30

"MEPHISTO" 1 PC. RUBBER CASE STORAGE BATTERIES

We can furnish batteries for all popular cars. If car is not mentioned below, write us for our low price.

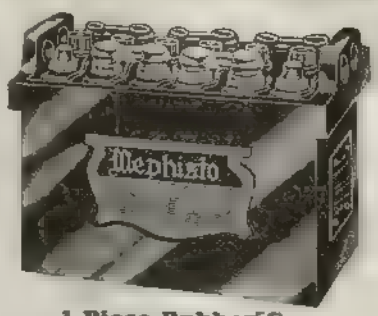
1 Piece Rubber Case

"Mephisto" storage batteries are a quality product throughout. Highest quality plates are used, insuring long life and high powered service. Abnormal buckling and sulphation of plates eliminated. Sealed joints where posts rise from covers, improved filling and vent device, preventing leakage. Representing one of the greatest values in the Battery market today.

To avoid breakage or damage to battery, shipment should be made by Express. Batteries are shipped direct from our Battery Station in Minneapolis. All storage batteries are filled with acid and charged ready to use when shipped.

OUR GUARANTEE

"Mephisto" batteries are guaranteed, when used under reasonable conditions, for a period of eighteen months. This guarantee does not cover carelessness, accidents, neglect or abuse. When batteries are returned to us for our examination, we will repair or replace same at our option if we find the battery defective. When batteries are replaced by us, we will make a charge to cover the service you obtained from the battery you return.



1 Piece Rubber Case

STATE NAME, YEAR and MODEL OF CAR WHEN ORDERING

BUICK

4K9824—1909-24, 6 cylinder . . . Each **$14.25**
4K9825—1921-24 4 " . . . " **11.65**

CHEVROLET

4K9826—1919-22 Model 490 . . . Each **$11.65**
4K9827—1918-22, Model F B . . . " **14.25**
4K9828—1923-24 Model Superior . . . " **11.65**

DODGE—All Models

4K9829— . . . Each **$16.90**

ESSEX

4K9830—All Models . . . Each **$14.25**

FORD—All Models

4K9831— . . . Each **$10.60**

HUDSON

4K9832—All Models . . . Each **$14.25**

HUPMOBILE

4K9833—1918-21 . . . Each **$11.65**
4K9834—1922-24 . . . " **14.25**

MAXWELL

4K9835—1918-20 . . . Each **$16.95**
4K9836—1920-22 . . . " **15.00**
4K9837—1923-24 . . . " **16.90**

NASH

4K9838—1919-24, 4 cylinder . . . Each **$11.65**
4K9839—1918-24 6 " . . . " **13.45**

OAKLAND

4K9840—1920-24 . . . Each **$13.90**

OLDSMOBILE

4K9841—1921-23 . . . Each **$13.45**
4K9842—1923-24 . . . " **11.65**

OVERLAND

4K9843—1919-23, Models 90-4-2[illegible] . . . Each **$11.65**
4K9844—1924 . . . " **11.65**

REO

4K9845—1919-24 . . . Each **$14.25**

STUDEBAKER

4K9846—1919-24, Big 6 x . . . Each **$14.25**
4K9847—1922-24, Light Six . . . " **11.65**

WILLYS-KNIGHT

4K9848, Willys-Knight Mephisto Storage Battery made with wood cases only . . . 1920-24 Each **$18.15**

STATE NAME, YEAR and MODEL OF CAR WHEN ORDERING

SPARK PLUGS

"Champion" Spark Plugs

Quantity prices apply on one style or assorted styles

Special Plugs For Fords

4K8110 Mfrs A-18 ½ in thread
Each **$0.45**
100 or more, Each **.41**

"Champion X Long"

4K8113 — ½ in thread (Mfrs A-28)
Each **$0.46**
100 or more Each **.41**

"Champion" Porcelains

4K8126— Mfrs A-15 For Champion X plugs
Each **$0.22**
100 or more Each **.21**

4K8128— Mfrs A-205) For Champion X Long plugs.
Each **$0.22**
100 or more Each **.21**

4K8-10-13

4K8-28-29

4K8115 Mfrs No. 75 ½ in. long, standard } Each **53c** 100 or more,
4K8117 " " 1½ " standard } Each **60c**
4K8129 " " 3½ " regular
4K8122 " " 4½ " long body, regular

Porcelains

4K8127 (Mfrs A-104) For all "Champion" plugs except "Champion X" and "Champion X long" . . . Each **27c**
100 or more Each **25c**

"AC" Titan Spark Plugs

Nationally advertised spark plugs of well known dependable quality. Quantity prices apply on one style or assorted styles.

"AC 1075"

Special for Fords

4K8145— Mfrs 1075) Special plug designed and built specially for Ford motor . . . in thread, patented carbon proof construction.

Each **$0.44**
50 or more, Each **.42**

Write us for prices on larger quantities
—we can make better

4K8142 ½ in long } Each **58c** 50 or more
4K8135 " " long
4K8137 " " long
4K8143—8 A E reg lar
4K8145—7/8 in spec Dodge factory equipment Each **55c**
4K8144 Metric threads
4K8136—8 A E long

Note: In case of 1 to 49 sold or assorted sizes ordered at one time special quantity prices apply. Write us for quotations.

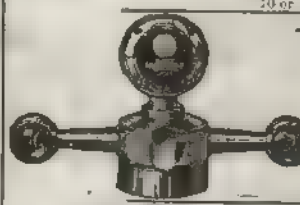
"BOYCE" MOTOMETERS

4K9420

4K9419

4K9420—Midget, 4 in., for small cars, such as Fords, Chevrolet Overland, etc Each **$2.62**
10 or more, Each **2.45**

4K9419—"Special" Ford Model, "Midget" model mounted on locking radiator cap nickel plated. Each **$3.00**
10 or more, Each **2.80**



4K9426—Aristocrat, 7 in. Fords nickel hood cap that locks crystal with nickel and gilt cross bar owners name can be inserted. Each **$6.25**

4K9423—Universal, 5½ in. heavy construction, beveled glass . . . Each **$6.63**
10 or more, Each **5.25**

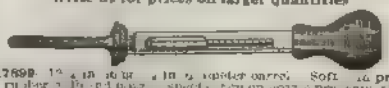
4K9424—Standard, 6½ in. high, gloss enameled, beveled glass. Each **$7.60**
10 or more, Each **7.00**

STEEL LUGGAGE CARRIER

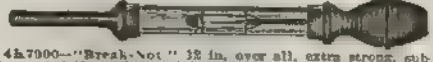
4K8621—"Marquette" 42 in. long, heavy steel construction, slats down practically out of the way of running board, can be easily removed by loosening clamps. 1 in pkg., 7½ lbs. Each **95c**

BATTERY SYRINGE HYDROMETERS

Write us for prices on larger quantities

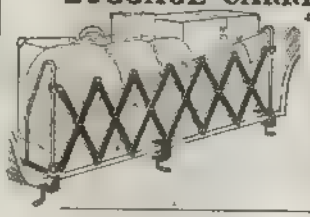


4K7699 12 in. glass tube, rubber covered. Soft rubber bulb. Packed in special box on edge to prevent breaking. Accurate float, guaranteed. Reads from 15% to 40% specific gravity for easy readings and marking. Dead black and Bull for quick reading. Each packed in strong box. Each **45c**

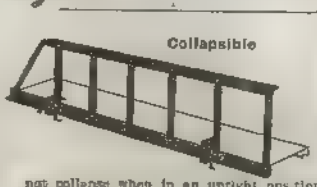


4K7000—"Break-Not" 12 in. over all, extra strong, substantially made, special patented construction preventing breakage, widely advertised and well known. 1 in box. Each **65c**

LUGGAGE CARRIERS

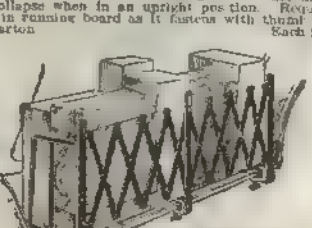


4K8194—"Standard" 4 in steel with 1 in. end pieces and spring washers between each cross member so that carrier will not buckle or stick and cross bars can be turned. Has extension of 68 in. and closes to 8 in. A full height 10 in. carrier. 1 in carton. Each **$1.05**



Collapsible

4K8642 Black steel construction 44 in. long. Best materials & workmanship guaranteed. Folds level with running board when not in use and will not collapse when in an upright position. Requires no holes in running board as it fastens with thumb screws. 1 in carton. Each **$1.10**



"Standley"

4K8643—"Standley," heavy steel construction, machine riveted, black enamel finish, extends from 10 to 70 in. 1 in carton, 15 lbs . . . Each **$1.95**

CRYING AND "MAMA" DOLLS WITH THE REAL BABY VOICE

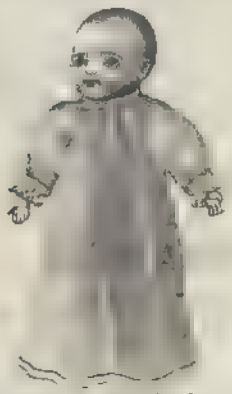
An excellent offering in these popular talking and walking dolls, well stuffed chubby bodies, good features composition heads and hands, position limbs, attractively dressed. The numbers shown are the most popular in the market and of exceptional quality, reasonably priced.

Baby Elaine

WITH THE NATURAL CRYING VOICE

The nearest creation to the natural features and voice of a real baby that have ever been produced; this line far surpasses any other "crying" baby line on the market.

STATIONARY EYES



Composition shoulder head, painted features, painted eyes; embossed hair; soft stuffed body; composition hands; jointed elbow and hip; lawn dresses; each in box.

T1620—Length 12 ins. Dozen **6.75**
T1621—Same as T1620, larger, and with undergarments; length 13 ins. Dozen **8.75**
T1622 — Same as T1620, larger; length 14½ ins. Dozen **12.00**

MOVING EYES

T1626—Same as T1620, but with moving eyes; length 12 ins.; 1 in box. Dozen **15.00**
T1627 — Same as T1626, larger; length 14 ins.; 1 in box. Dozen **24.00**

BISQUE HEAD; MOVING EYES

Fine bisque turning head, moving eyes; embossed hair; composition hands; soft stuffed body; shoulder and hip jointed; lace and ribbon trim white lawn dress and undergarments; natural crying baby voice; 1 in box.

T1647—Length 11 ins. Each **1.00**
T1648—Same, larger head and body and more elaborately dressed Each **2.00**
T1649 — Same as T1648, larger; length 14 ins. Each **2.65**

BLANKET BABIES

Turning composition head; painted features; painted eyes; embossed hair; composition hands; soft stuffed body; elbow and hip jointed white lawn lace trim dress; in flannelette blanket, silk ribbon trim, with baby pins; good voice; 1 in box.

T1632—Length 12 ins. Doz. **12.00**

MOVING EYES

T1637—Same as T1632, but with moving eyes. Dozen **21.00**

NEGRO CRYING DOLLS

Composition head and hands; painted eyes and features, embossed hair; soft stuffed body; shoulder and hip jointed; white lawn, lace trim dress, with undergarments; 1 in box.

T1625—Length 14 ins. Each **1.10**

MOVING EYES

T1630—Same as T1625, larger and with moving eyes; length 14 ins.; 1 in box. Each **2.25**

Every number of our dolls is the biggest value on the market for the money; don't overlook this fact.

"GEM" MAMA DOLLS

Composition shoulder head, embossed hair; painted features; composition arms, hands and limbs; flesh tinted; soft stuffed body; shoulder and loose hip jointed; lawn dresses, lace trim, undergarments; socks and black catalonette slippers; each in box.

T1872—Length 15 ins.. Dozen **13.50**
T1873—Length 18 ins. Dozen **21.00**
T1874—Length 21 ins. Dozen **24.00**

MOHAIR WIG: MOVING EYES; EYELASHES

T1902—Composition shoulder head; shaped composition arms and limbs; fine mohair wig; sleeping eyes, with eyelashes; well stuffed bodies; shoulder and hip jointed; figured lawn dresses, lace trim, with bonnets to match; undergarments; removable kid slippers and stockings; natural "Mama" voice; length 16 ins.; each in box. Each..... . **2.60**

OPEN MOUTH, SHOWING TONGUE AND TEETH

T1903—Same as T1902, larger; with open mouth, showing teeth and tongue; length 18 ins. Each **3.00**
T1904—Same as T1903, larger; length 21 ins. Each **3.75**
T1905—Same as T1904, larger; length 26 ins. Each . . **5.25**

"K & K" MAMA DOLLS

MOHAIR WIG: MOVING EYES

Bisque head; mohair wig, sleeping eyes; open mouth; composition hands; elbow and hip loose jointed; pink cloth stuffed body; lace trim figured lawn dress; silk tied bonnet to match, undergarments; removable socks and black leatherette slippers; good voice; each in box.

T2032—Height 14 ins. Each **2.00**

HORSMAN "BLUE RIBBON" MAMA DOLLS

The famous unbreakable dolls; original in conception, life like in expression, attractive and artistic in design and dressing; beautiful complexions, with natural flesh tint that is nothing short of wonderful; patented voice.

UNBREAKABLE HEADS STATIONARY PAINTED EYES EMBOSSED HAIR

Unbreakable shoulder head and arms; embossed hair; stationary painted eyes; well stuffed body and limbs; shoulder and hip jointed; fine white lawn dresses, lace trimmed; bonnets to match; undergarments, stockings and removable kid slippers; natural baby voice; each in box.

	Each
T1687—Height 16½ ins.	2.50
T1688—Height 18 ins.	3.00
T1689—Height 20 ins.	3.85

STATIONARY PAINTED EYES EMBOSSED HAIR

Unbreakable shoulder head and arms; painted stationary eyes; embossed hair; shoulder and hip jointed; cloth stuffed body and limbs; lace trimmed lawn dresses, bonnets to match; underwear; removable slippers and socks; each in box.

T1984—Height 16½ ins. Each 2.50

SHAPED COMPOSITION LIMBS

T1985—Same as T1984, but with shaped composition limbs; height 18 ins. Each 3.15

T1987—Same as T1985, height 20 ins. Dozen 3.75

BISQUETTE HEADS MOHAIR WIG; MOVING EYES SHAPED COMPOSITION LIMBS

Unbreakable shoulder head, arms and limbs; fine mohair curly wig; sleeping eyes, cloth stuffed body; shoulder and hip jointed, figured lawn dresses, lace trim, bonnet to match; undergarments; removable slippers and socks; natural baby voice; each in box.

T2018—Height 16½ ins. Each .....

NATURAL EYE LASHES

Sleeping eyes, with eyelashes; open mouth, showing tongue and teeth; each in box.

T2024—Height 18 ins. Each 4.75
T2028—Height 22 ins. Each 8.00

MOHAIR WIG; MOVING EYES NATURAL EYE LASH "BABY" DOLL

Unbreakable composition head, arms and forearms; mohair wig; moving eyes; open mouth, showing teeth; soft stuffed limbs; lace trim lawn dresses, solid color bloomers with elastic knees to match; silk tie lace trim bonnet to match; removable socks and slippers; each in box.

T1693—Height 18 ins. Each 4.25
T1694—Height 20 ins. Each 5.00
T1695—Height 22 ins. Each 8.25

AUNT JEMIMA

A typical Southern Mammy

Composition shoulder, head and hands; embossed hair; painted eyes; soft stuffed brown body; elbow and hip jointed; figured gingham dress, lace trim; white apron and collar; red bandanna; good voice; removable slippers and stockings; 1 in box.

T2037—Length 12½ ins. Each 1.00

T2039—Same as T2037, larger; length 19 ins.; 1 in box. Each 2.25

"ELAINE" MAMA DOLLS

STATIONARY PAINTED EYES NATURAL FINISHED COMPOSITION LIMBS

Composition head and arms; embossed hair; painted eyes and features; shoulder and loose hip jointed; flesh tinted legs; socks and black leatherette slippers; fancy checked costumes, bonnets to match; extra good "mama" voice, each in box.

	Dozen
T1863—Height 15 ins.	8.75
T1866—Height 17 ins.	12.50
T1868—Height 19 ins.	17.50

MOHAIR WIG

Composition shoulder head; composition hands and limbs; stationary painted eyes; mohair wig; soft stuffed body, elbow and loose hip jointed; lace trim fancy figured lawn dresses; bonnet to match, with chin bow; pantalettes, removable slippers and socks; good voice; 1 in box.

T1892—Length 15 ins. Doz. 10.20
T1894—Length 17 ins. Doz. 15.00

MADAM HENDRIN MAMA DOLLS

STATIONARY PAINTED EYES MOHAIR WIG

Composition shoulder head; painted stationary eyes; curly mohair wig; well stuffed body; composition arms and shaped limbs; elbow and loose hip jointed; lawn dress, bonnet with chin bow to match; removable socks and slippers; 1 in box.

T2002—Height 15 ins. Each 2.25

STATIONARY PAINTED EYES MOHAIR WIG

Composition shoulder head; painted stationary eyes; fine curly mohair wig; well stuffed body; composition arms and limbs; elbow and loose hip jointed; lawn dress, lace trim ;removable socks and slippers; good voice, 1 in box.

T2005—Length 20 ins. Each 3.00

MOVING EYES

T2029—Same as T2005, smaller, but with moving eyes; length 15 ins. Each 2.50

ONE OF MADAM HENDRIN'S BEST

T2005—Composition head and fore arms; painted features; natural flesh finish; shaped body, stuffed with the finest grade cotton; genuine Lloyd "Mama" voice; full mohair bob wig with large ribbon bow; flowered crepe dress with organdie border, lace trim neck; solid color pantalettes, elastic at knee; removable slippers and stockings; height 20 inches; each in box.

Each 3.00

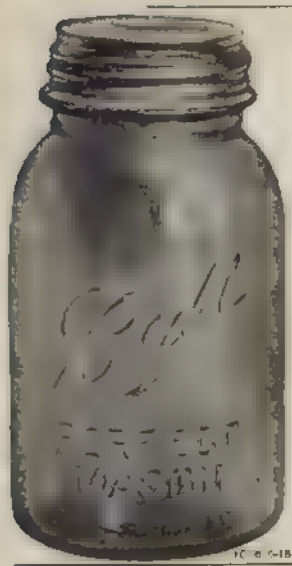
PRESERVING

Fruit Jars and Jelly Tumblers

RIGHT prices that will put you "out in front" with big sales. Compare them. Convince yourself that they are real "buys."

Ball "Mason" and "Ideal" Fruit Jars

Made on Owen machine which produces the most perfect jar known, evenly blown and tempered, uniform thickness, exceptionally strong, smooth edges.



"Mason" Jars

Porcelain lined metal cap, rubber ring. ½ gro. in partitioned shipping case

	Cap.	Wt. per gro.	Gro
1C1616	1 pt.	145 lbs.	$7.70
1C1617	1 qt.	200 "	8.85
1C1618	½ gal	284 "	12.10

"Ideal" Jars

Lightning style, extra heavy and glass cap, sure seal. ½ gro. in partitioned shipping case

	Cap.	Wt. per gro.	Gro
1C1615	1 pt.	180 lbs.	$9.25
1C1630	1 qt.	316 "	10.95
1C1631	½ gal	500 "	15.10

"Mason" Caps

Zinc

1C1625—"Mason," solid zinc, will not rust or corrode. Porcelain lined top, fits standard size Mason jars. ½ gro. in box . . . . . Gro **$2.74**

"Ideal" Covers

1C1626—"Ideal," glass lids for "Ideal" fruit jars, machine made, well finished. ½ gro. in box. Gro **$1.95**

"Ball" and "Good Luck" Fruit Jar Rubbers

Ball "Perfect Seal"

1C5386—10-32 in. flange, best quality red rubber cut 12 rings to the inch, 12 rings in box, 2 doz. boxes in carton. Doz boxes **59c**

12 doz. boxes or more. Doz boxes **55c**

Ball "Perfect" Double Lip

1C5387—10-32 in. flange, best quality red rubber, cut 12 rings to the inch, 12 rings in box, 2 doz. boxes in display carton. . . . . Doz boxes **59c**

12 doz. boxes or more. Doz boxes **55c**

"Good Luck"

1C5779—10-32 in. flange, red rubber, cut 12 rings to the inch, 6 sizes, ideal and wide mouth. Lightning and 1 size in box, 2 doz. boxes in display carton. Doz boxes **69c**

12 doz. boxes or more. Doz boxes **62c**

"Good Luck" Double Lip

1C5780—"Good Luck" double lip, standard "Good Luck" specifications, 12 rings in box, 2 doz. boxes in display carton. Doz boxes **69c**

12 doz. boxes or more. Doz boxes **62c**

Jelly Tumblers

Milled Top Band

6 Oz.

1C1571—6 doz. in carton, 36 lbs. Doz **31c**

1C1577—30 doz. in case, 180 lbs. Doz **29c**

8 Oz.

1C1573—6 doz. in carton, 30 lbs. Doz **33c**

1C1574—24 doz. in case, 150 lbs. Doz **31c**

Jelly Molds

Good crystal, ribbed and grape design inside, heavy tin cap

1C1593—6 oz. 6 doz. in carton, 32 lbs. Doz **38c**

1C1594—8 oz. 6 doz. in carton. Doz **40c**

Three Big Values From Our Glassware Department

Look On These Pages

1C2220—8½ Oz. Staple Hotel Tumbler 371

1C1825—70 Oz. Optic Blown Jug 374

1C2189—Heavy Crystal Juice Extractor 377

PRESERVING

An attractive window display of goods for canning time will do wonders in helping your August Sales.

Glass Measuring Cup

1C2193—8 oz., 3 in. high clear crystal graduated in ounces and pints, side lip. 3 doz. in carton . . . . . Doz **85c**

Fruit Jar Filler

Aluminum

T3111—3½x2¼ in., heavy aluminum drop finish, side riveted handle 1 doz. in box . . . . . Doz **72c**

Combination Funnel

Aluminum

T3034—1 pt., 6 pos., can be used for fruit jar funnel, strainer, dipper, funnel, pie pan, stemware, bowl, colander, sun-ray finish inside, each piece oranded and wrapped, ½ doz. sets in pkg.

DOZ SETS **$2.40**

5 Piece Glass Mixing Bowl Set

5 Sizes in Set

Big seller all the year around; but a bigger-than-ever seller at this price and at just this season

1C1775—Clear heavy crystal, deep shape, smooth edges, 5, 6, 7, 8 and 9 in. sizes in nest, each nest in carton. ½ doz. sets in carton, 60 lbs. Doz sets **$6.95**

Yellowware Mixing Bowls

Open Stock

Extra hard standard yellowware body, embossed and plain white bands, fine glazed inside and out, not guaranteed against crazing. Sold in any quantity.

E275—24's	7¼ in	Doz	**$1.65**
E276—18's	8 "	"	**2.35**
E277—12's	9 "	"	**2.95**
E278— 9's	9⅞ "	"	**4.25**
E279— 6's	11¼ "	"	**5.50**
E280— 4's	12½ "	"	**7.50**

Utility Glass Kitchen Set

1C1933—4 piece glass mixing bowl set, sizes 6, 7, 8 and 9 in., in nest, ring cut, graduated for cutting and sifting. 4 piece well finished crystal glass, each set in carton. ½ doz. sets in spring crate in 50 lbs. Doz sets **$9.50**

4 In. Juice Extractor

Heavy Crystal Glass

1C2185—4 in. diameter, heavy crystal, smooth finished, ribbed, grooved, wire handled and lipped. 1 doz. 1 pkg., 10 lbs. . . . . Doz **60c**
3 doz. or more, Doz **55c**
10 doz. or more, Doz **52c**

No Package Charge On Any Goods

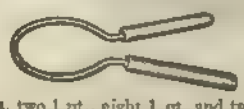
"Chore Boy" Pot Cleaner

Fastest selling in the world—largest made and best selling size; do not confuse with smaller sizes at lower prices.

About 6½x7 In—Heavy copper jute and cotton interwoven bag shape, opening for hand, for cleaning all kinds of utensils, sinks, bath tubs, vegetables etc.
W1115—2 doz. in display box.

DOZ **78c** GRO **$9.00**

Fruit Jar Wrenches



1H4313—3 sizes, two 1 pt., eight 1 qt. and two ½ gal., ⅛ in special tinned spring wire covered with good quality rubber tubing, natural finish wood handle. Asstd. 1 doz. in pkg. . . . . Doz **87c**

Gummed Labels

For labeling fruit jars, jellies, etc.

S1783—White coated red printed border, full count, good stock, gummed, 75 in box, 12 boxes in carton. Size 1¼x⅝. Carton **75c**

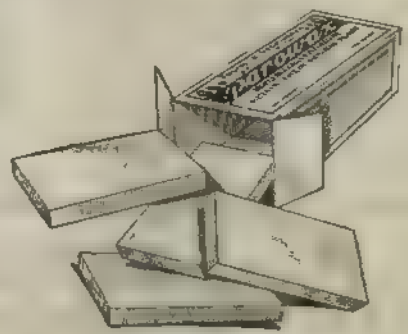
Our Terms

2%

10 DAYS
1% 30 DAYS
NET 60 DAYS

"Parowax" Paraffine

BUY NOW—place your order for present and future needs at this attractive price. Orders will be taken for delayed shipment up to August 1st, 1925. If lower prices prevail at time of shipment you will get the lower price—if higher prices prevail you will still be protected by this low price.



5x2½x⅝ in. cakes, 1 lb. (4 cakes) in box, pure, sanitary, for laundry and sealing preserve covers, etc.

Y8225—40 lbs. in case	Lb	**8½c**
Y8226—100 " " "	Lb	**7½c**

BAR & PACKAGE CANDIES

"KLEIN'S" CHOCOLATE BARS

Lunch Bar—Sweet milk chocolate of a high grade composition, 1 piece in a 1 oz. individual wrapped and ribbon banded.

Y1961—24 in box . Box **46c**

Plain Chocolate Bar—Fine sweet milk chocolate, parchment wrapped and ribbon banded.

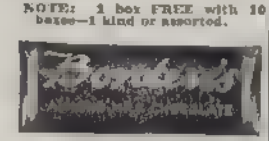
Y1964—24 bars in box, Box **46c**

"BORDEN'S" CHOCOLATE BARS

Milk Chocolate Bar—Sweet milk chocolate. Wrapped with foil and colored band.

Y1644—10c bar, 1¾ oz, 12 in box Box **80c**

NOTE: 1 box FREE with 10 boxes—1 kind or assorted.



Almond Bar—Sweet milk chocolate, chock full of roasted almonds wrapped.

Y1646—10c bar, 1½ oz. 12 in box Box **80c**

NOTE: 1 box FREE with 10 boxes—1 kind or assorted.

Peanut Bar—Chocolate bar, chock full of A1 grade quality roasted peanuts.

Y1657—Big 2 for 5c bar, 1¾ oz 48 bars in box. Box Out

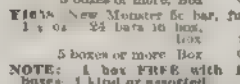
5 boxes or more, Box Out

Y1658—New Monster 5c bar, full 1½ oz 24 bars in box. Box Out

5 boxes or more Box Out

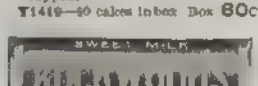
NOTE: 1 box FREE with 10 boxes 1 kind or assorted

ROCKWOOD & CO'S SWEET MILK CHOCOLATE



Sweet Milk Chocolate Bar—Big value at 5c per bar or at 2 for 5 sales booster 4 1/2x2 1/2 in. double wrapped.

Y1419—40 cakes in box Box **80c**



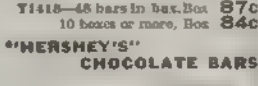
Monster Value 2 for 5c

Milk Chocolate Nut Bar—5¢ in. bar chocolate filled with nut meats. Each bar waxed paper wrapped, with colored band. Large size bar, looks larger than most 5c bars.

Y1418—48 bars in box. Box **87c**

10 boxes or more, Box **84c**

"HERSHEY'S" CHOCOLATE BARS



Milk Chocolate Bar—

Y1707—5c size. (Mfrs No. 103) Net wt per bar 1⅝ oz 24 in box . Box **85c**

Y1708—10c size. (Mfrs No. 110) Net wt. per bar 2¼ oz 12 in box . Box **85c**

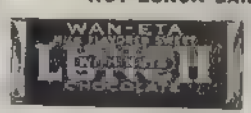
10 boxes or more, Box **80c**

Almond Bar—

Y1800—5c size. (Mfrs No. 67) 24 in box Box **85c**

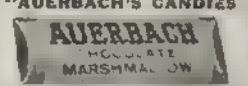
Y1709—10c size. (Mfrs No. 30) 12 in box. Box **85c**

"WAN-ETA" NUT LUNCH BAR



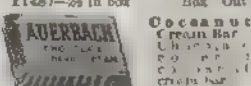
Y1474—Large bar, 1 oz or better Milk flavored sweet chocolate filled with ground nuts. Very good eating. Each bar double wrapped, 48 bars in box..... Box **80c**

"AUERBACH'S CANDIES



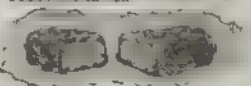
Marshmallow Bar—Rich marshmallow center, chocolate covered

Y1487—2½ in box Box Out



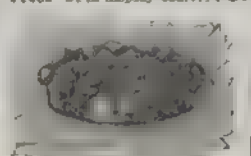
Cocoanut Cream Bar—Delicious cocoanut cream bar

Y1496—2½ in box Box Out



"7-11" Bar — Caramel and nut center, covered with rich milk chocolate. Box

Y1466—24 in display box.... **78c**



Nut Sundae Bar—Marshmallow and nut in one combination covered with peanuts and rich milk chocolate

Y1447—24 in display box Box Out

"REDEL'S" CANDY BARS

"Jerry-O"—2 oz. nut bar, caramel cream center, rolled in chewy caramel covered with No. 1 peanuts, allover covered with high grade milk chocolate, wrapped

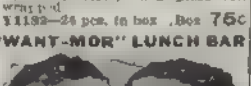
Y1186—24 pcs. in box. Box **72½c**

5 boxes or more, Box **67½c**

"Big Boy"—1 oz bar with a marshmallow center, top layer with No. 1 peanuts, silver coating of pure chocolate, each piece foil wrapped

Y1192—24 pcs. in box . Box **75c**

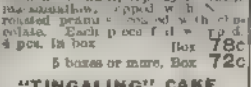
"WANT-MOR" LUNCH BAR



Y1304—1 1¼ oz bar, upper layer of soft caramel, top layer of pure marshmallow, topped with roasted peanuts covered with chocolate. Each piece foil wrapped 4 pcs. in box Box **78c**

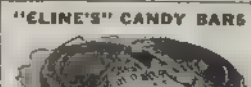
5 boxes or more, Box **72c**

"TINGALING" CAKE



Y1036—Big 1½ oz cake. Made from high grade materials, very crispy, well coated. Delicious eating. Each piece wrapped 24 pcs. in box Box **78c**

"ELINE'S" CANDY BARS



Peanut Patty—Sweet milk chocolate, chock full of 7 to 9 roasted No. 1 Spanish peanuts. each piece foil wrapped.

Y1584—24 pieces in box, Box **78c**

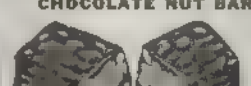
Chocolate Stacks — Sweet vanilla chocolate, very fine quality 18 wafers in stack, flavor and foil wrapped. Box

Y1565—24 stacks in box **78c**

"UNCLE GEORGE" MALTED MILK BAR

Y1440—1¾ oz. bar, high quality cream center with malted milk, double layer of soft caramel covered with No. 1 peanuts, coated with high grade milk chocolate, attractively wrapped. 24 bars in box . . . Box **80c**

"HUMPY" CHOCOLATE NUT BAR

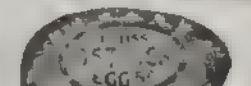


Y1147—Large size, 1½ oz. bar, maple flavored cream center covered with high grade chewy caramel rolled in Spanish No. 1 peanuts then covered with milk chocolate, glassine wrapped 24 pieces in box Box **80c**

"CURTISS" WELL KNOWN QUALITY BARS

"BABY RUTH"

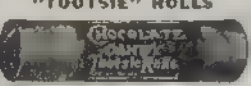
Y1413—1½ oz. bar or more, maple flavored cream center rolled in caramel and then No. 1 Spanish peanuts, coated with rich chocolate, paper wrapped. 24 bars in box Box **80c**



OSTRICH EGG

Y1314—2 oz. or more, one layer of vanilla flavored cream and one layer of marshmallow coated sweet chocolate. Transparent paper wrapped. 24 bars in box Box **80c**

"TOOTSIE" ROLLS



Y1901—5c accumulate Junior Tootsie roll Box **78c**

5 boxes or more, Box **75c**

Y1902—5c nut "Tootsie" roll 24 in box. Box **79c**

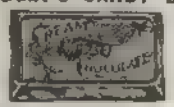
5 boxes or more, Box **75c**

Y1903—Penny chocolate roll. 120 in box . Box **82c**

"SNO-KAPS"

Y1690—4 in pure sweet chocolate peppermint. Each in glassine envelope 24 in box Box **80c**

HEADLEY'S CANDY BARS



Full Cream Cake—Large size full cream cake, bar of chocolate, vanilla sponge, strawberry and maple. Each piece foil wrapped

Y1871—24 in box Box **82c**

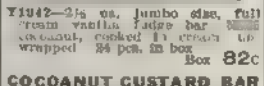
"Mity Nice"—Big Marshmallow Fruit Bar—Soft marshmallow with fig fruit layer, covered with light color milk chocolate. Each piece in attractive wrapper

Y1972—24 in box Box **82c**

COCOANUT FUDGE BAR

Y1942—2½ oz. Jumbo size, full cream vanilla fudge bar with cocoanut, cooked in cream and wrapped 24 pcs. in box Box **82c**

COCOANUT CUSTARD BAR



Y1940—1¼ oz. bar, large size, full cream, 3 layer custard top, vanilla bottom layer. Very attractive unwrapped 24 pcs. in box Box **82c**

"OLD NICK" FOR A NICKEL

A 5 cent seller with a 10 cent taste.

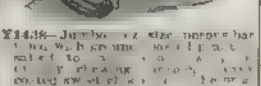
Y1170—Large 2 oz. bar butter cream wafer cut full layer covered with No. 1 roasted peanuts allover heavy coated with pure milk chocolate. Attractive wrapper 24 pcs. in box Box **82c**

"CHERRY HUMPS"

Y1524—1¼ oz bar. Two whole red cherries in high grade soft cream, vanilla flavored, rich chocolate coated. Each bar waxed paper wrapped and in attractive colored carton

24 cartons in box . . . Box **82c**

"CLARK" BAR



Y1436—Jumbo 2 oz. size, popular bar with creamy nougat center, rolled in crushed toasted nuts and coated with sweet chocolate. Delicious eating. Each bar wrapped in one of its kind ruby crystal foil for rich partitions value. Each bar bright colored wrapped. 24 bars in box. Box **84c**

5 boxes or more, Box **80c**

BUNTE'S TANGOS BAR

Y1481—Maple cream bottom marshmallow center covered with peanuts, chocolate dipped foil wrapped 24 in box Box **85c**

"DENVER SANDWICH" BAR

Y1605—Jumbo size. Four layers of honey cream wafers coated with sweet chewing caramel rolled in No. 1 peanuts and coated with chocolate. Price card and window display card in each box. 24 bars in box $1.47

5 boxes or more, Box 1.40

"SHOTWELL'S" MALTED MILK COMBINATION

Mr. Dooley's Latest Sensation

Y1059—3½ oz Jumbo size French [illegible] roasted nuts and malted milk with honey nougat center. Cuts like a pie into eight pieces pure wholesome appetizing and satisfying. Attractive colored wrapper 24 pcs in counter display box. Box Out

"OH HENRY"

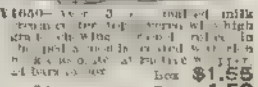
Y1124—3 oz bar [illegible] Mazda [illegible] center [illegible] in malted cream [illegible] peanuts, covered with [illegible] chocolate. Individually wrapped [illegible] 24 bars in box $1.52

"MILKY WAY"— The Malted Milk Bar

Y1650—Size 3 oz malted milk cream center top covered with high grade chocolate rolled in [illegible] and then coated with rich chocolate. Individually wrapped 24 bars in box Box $1.65

5 boxes or more, Box 1.50

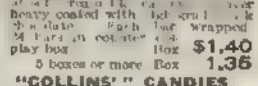
"CHICKEN DINNER" CANDY BAR



Y1438—2¼ oz bar rich [illegible] flavor cream with layer of [illegible] and layer of [illegible] heavy coated with light sweet chocolate. Each bar wrapped 24 bars in carton display box Box $1.40

5 boxes or more Box 1.35

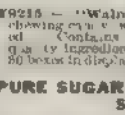
"COLLINS'" CANDIES



Y9214 — "Honey Scotch," delicious [illegible] chewing candy [illegible] honey and [illegible] quality [illegible] 12 pieces in box. 60 boxes in display carton $1.00

Y9215 — "Walnettes," delicious chewing candy with [illegible] and [illegible] Contains honey and best quality ingredients. 10 pcs in box. 80 boxes in display carton. Carton $1.00

PURE SUGAR STICK CANDY



Y1925—Pure sugar [illegible] 2 oz or over [illegible] in [illegible] box, assorted flavors, [illegible] in an [illegible] display carton, 24 pcs in box Box **75c**

"BEECHNUT" FRUIT DROPS AND COMPRESSED TABLETS

"Beechnut" Fruit Drops—

30 pkgs. in display box

Y8689—Lemon drops
Y8690—Lime drops
Y8691—Orange drops
} Box 62c

LIFE SAVERS

THE CANDY MINT WITH THE HOLE

30 pkgs. in display box

Y1866—Peppermint
Y1867—Wintergreen
Y1868—Life Saver
Y1869—Lime Lime
Y1870—Cinnamon
Y1868—Assorted
Box 60c

1 box Free with 10 boxes.

Note—Free on request 1 metal counter display rack, with orders for 10 boxes, one kind or assorted.

RAINBOW WAFERS

Y4804—44 wafers in a roll assorted flavors and colors. Fine cream wafers. Unlisted Profit Maker. Just a few rolls in each carton for the consumer. 6 rolls in each carton in counter display carton. Box 80c

"REEDS" BUTTER SCOTCH WAFERS

Nine better than cream filled creamery butter sugar syrup and malt guaranteed best grade of sugar

Y656—10c cans, packet size, about 40 patties, 2 doz. cans in carton, wt. 3¼ lbs.
Doz cans 82½c

"FRALINGER'S" SALT WATER TAFFY

The Original

Sea air and sunsan sealed in every package. A big seller summer and winter

2 in. rolls, delicious pure candy, rich and creamy, large variety of delicious flavors. Each piece wrapped

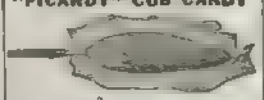
Y1429—10c pkg. (10 pcs. in each pkg. 2 doz. pkgs. in carton. Doz pkgs 80c

Y1430—1 lb. box very attractive colors, each box parcel post paper wrapped. ½ doz. boxes in carton.
Doz boxes $4.00

SUPERIOR CREAM MINTS

Y1284—3 oz. net wt. pure sugar lumps, cream centers, nice D wt. soft and delicious. In rainbow printed wrapper. 24 pcs. in box.
Box 80c

"PICARDY" COB CANDY



Y1850—Corn cob shaped sucker made from sterilized sugar candy. Large size. Delicious strawberry, raspberry, orange, lemon, wintergreen flavors. Each sucker individually wrapped. Assorted. 24 pcs. in box.
DOZ. (24 pcs) 82c

Y1851—3 boxes to tray display with 72 suckers as pictured. 3 trays and display in case. CASE (3 trays) $2.37

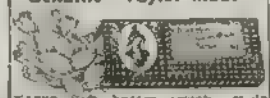
"CHARMS" GOLF BALL POPS

The latest thing in suckers

Y1848—Golf ball design sucker on stick. Eight fruit flavors and colors—cherry, orange, grape, raspberry. 48 suckers in box.
Box 85c

"HOOT MON" BUTTER SCOTCH

Genuine "Taylor Made"



Y1730—Soft butter scotch, made from best quality creamery butter and sugar each piece wrapped. 12 pcs. in Scotch plaid colored pkg. 2 doz. pkgs. in carton Doz 85c
6 doz. or more. Doz 82c

ASSORTED FRUIT DROPS

Y1875—Assorted drops, 2½ oz. in pkg. one piece mint, 1 moon mint, pure sugar candies highly flavored. 24 bags in box. Box 80c

GLASS JAR CANDIES

To Retail at 25c and 35c

Big Jars of high grade candies, this kind sell regularly at 40 and 50c each

Y621 Full 6 oz. cub jars. The very finest assortments consists of the following

Golden Cream
Assorted Creams
Nut Clusters
A Mix Mixture
Cocoa Waffles
Assorted Buttercups

1 doz. in case.
Doz $2,10

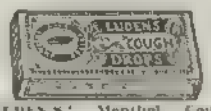
MARSHMALLOWS

"Rodel's," 4 oz. about 20 pcs. none better, very fine soft, tender and sweet. A triple sealed air tight package that will keep goods in condition for a great length of time. About 20 pcs. in pkg.

Y691—1 doz. pkgs. in case.
Doz 87c

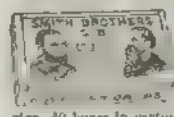
Y690—50 pkgs. in case. 19 lbs.
Case $3.40

COUGH DROPS



"LUDEN'S" Menthol Cough Drops

Y7498—40 boxes in carton
Carton $1,42



Smith Bros. Cough Drops

Y1602—160 pcs. in carton. 40 boxes in carton.
Carton $1,42

"Y&S" LICORICE STICK

Y9330—Genuine pure licorice stick, each stick in carton. 40 five cent sticks in box.
Box $1,40

"SEN-SEN" BREATH PERFUME

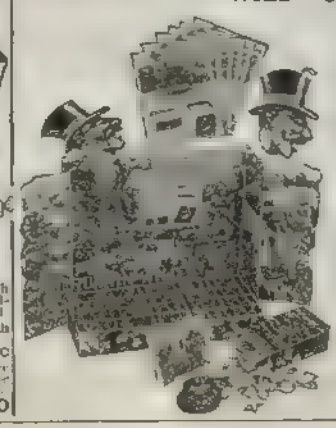
Y6838—40 pkgs. in transparent front display box.
BOX (40 pkgs) $1,45
5 boxes or more Box 1,37

"SUN MAID" RAISINS

Chocolate Covered

Y1287—1¼ oz., milk chocolate covered, very tasty large size (3¾ in.) packages. 24 pkgs. in counter display box.
Box 75c

FOLLY TOWN "RUNNIN' WILD" CANDY PACKAGE



A beautiful watch worth $8.00 given free to every boy or girl who puts a Folly Town Puzzle Map together. There is one part of map in each pkg. 25 parts required to complete map. Manufacturer guarantees complete map in each case. Prizes in each pkg.

Y721 8 wrapped candy items in each pkg. Each pkg. has a prize, average value 5c and one part of map. Instructions explaining plan on each box. 4 kinds of gems, watch charm, wrist watch, swell ring, jewel or movement in the winner of puzzle. 100 pkgs. in wonderful counter display box, wt. 18 lbs.
Case $3,75

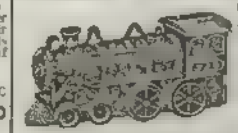
CANDY FILLED GLASS NOVELTIES

Revolver—4 clear glass, filled with candy pellets. 2 doz. in carton, 8 lbs. Doz

Y454 5½ in. $0,77
Y460—8 " 1,69

"Don't Park Here" 4 in. tall of transparent bright yellow glass, low center standard holds glass filled with candy pellets

Y445—2 doz. in carton, 10 lbs.
Doz 79c



Locomotive—5 in. clear glass exact copy of real locomotive filled with assorted candy

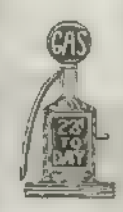
Y459 — 2 doz. in carton, 18 lbs.
Doz 87c

"Yellow Taxi" — Clear glass, filled with candies in assorted yellow and black cellophane cubs

Y486 2 doz. in case, 12 lbs.
Doz 89c

Telephone—4½ in. metal phone, glass receiver filled with candy pellets

Y438—2 doz. in carton, 10 lbs.
Doz 84c

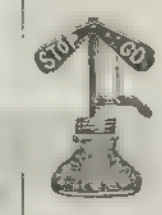


"Gas" Tank 4 in. clear glass tank filled with candy, metal cap, decorated in colors, with candy filling hose.

Y460 2 doz. in carton, 10 lbs.
Doz 84c

Lantern — 3½ in. assorted colored glass lantern effect filled with pure candy pellets.

Y439 Asstd. 2 doz. in carton 12 lbs.
Doz 84c



"Stop and Go" 4 in. clear glass head filled with candy, metal cap, arm and base, operates like real traffic regulators

Y470 — 2 doz. carton, 10 lbs.
Doz 84c

ASSORTMENT

Y461 Assortment of 4 styles of glass novelties filled with candy. Locomotive, Lantern, Telephone and Gas Tank filled with pure candy pellets. Asstd. 2 doz. in carton, 18 lbs.
Doz 84c

BOX CHOCOLATES

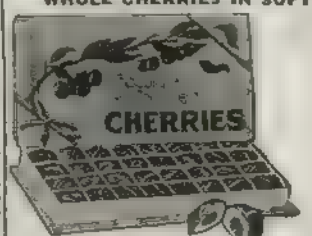
HEADLEY'S "BIG VALUE"

Y1885—Full 3½ oz. large padded box 7x3¼ in. chocolate creams, assorted fruit flavors and assorted shapes 9 pcs. in box each piece cupped. Assorted design tops in colors. Each box ribbon tied
2 doz in box
Doz Out

PROFITABLE 25c Assorted Chocolate Creams

Y1913—High grade fruit flavored centers, [illegible] maple, vanilla etc. covered with sweet and milk chocolate coating each piece [illegible] top. Half lb. net weight in size box. Each box partitioned wrapped with gold seal [illegible] 1 doz. boxes in carton
Doz $2,10

WHOLE CHERRIES IN SOFT FLOWING CREAM



High grade sweet chocolate coating extra heavy coated [illegible] bottoms with star cut top. Fancy piece assorted cello cut aggravation style packing. Box cover decorated [illegible] engraved mixed gold. Extension top and bottom. Each box ribbon tied

Y1886—½ lb. box, 16 pieces in box ½ doz in carton
Doz Out

Y1841 1 lb. box, 32 pieces in box ½ doz in carton
Doz $6,85

METAL UTILITY BOXES

Y5230—2 lb. size, asstd. colors, 2½x7 in., heavy tin plate. Asstd 1 doz. in pkg.
Doz $1.98

Y5231—5 lb. size, 3½x10¼ in., heavy tin plate, solid colors. Asstd, 1 doz. in pkg.
Doz $4,95

BASEBALL GOODS

An all star aggregation—ball, bat, glove or mask you are sure of a quick sale, a quick turn and repeat orders throughout the season—if you buy from these pages

"PENNANT" BASEBALLS

To Retail for 10c

Pennant "Boys' Favorite"

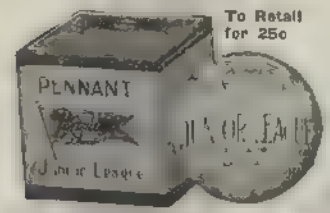
1K621—3½ in., extra heavy glazed imitation leather cover, close hand stitched with green thread, yarn wrapped core. 1 doz. in box ..... Doz **80c**

To Retail for 25c

Pennant "Amateur League"

1K627—[illegible] genuine horsehide cover [illegible] with green thread yarn wrapped core, each in carton [illegible] Doz **$2.15**

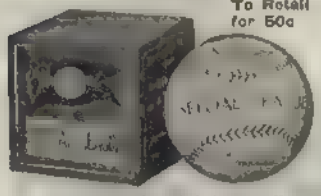
To Retail for 25c



Pennant "Junior League"

1K626—[illegible] selected genuine [illegible] cover [illegible] with 2 color thread, [illegible] center, yarn wrapped core, each in carton 1 doz. in box.
Doz **$2,00**

To Retail for 50c



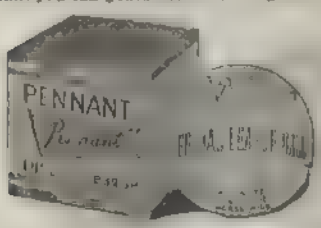
Pennant "Special League"

1K625—[illegible] oz., [illegible] genuine horsehide cover, rubber center wrapped with [illegible] yarn, each by [illegible] with [illegible] green wax thread [illegible] 1 doz. in box
Doz **$3.85**

IMPROVED PENNANT "OFFICIAL LEAGUE"

Guaranteed 18 Innings

Think of it! A "dollar" retailer that you can guarantee for 2 full games.



You Can Sell for $1.00

1K637—"Pennant," 9 in., 5 oz., [illegible] grade rubber wound with [illegible] yarn, genuine horsehide cover, hand stitched by experts with red and white waxed thread, over regulation cork center. Official League ball, guaranteed to full 18 innings or good sealed ball back in carton [illegible] box
Doz **$8.00**

"PENNANT" League Baseballs

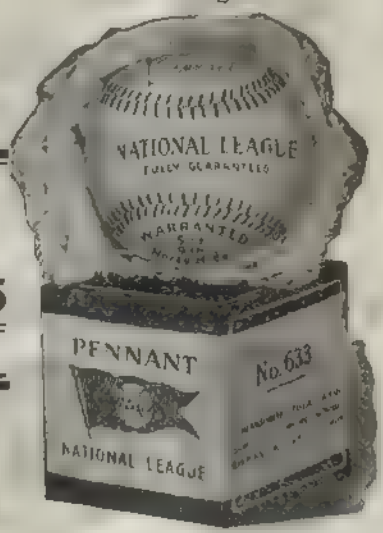
Guaranteed for 27 Innings

Think of it! We guarantee these league balls to last 3 full games or 27 innings. Moreover, in every respect, they meet the standard requirements of both professional leagues. How they will sell at $1.50 apiece!

9 in., 5 oz., 1 oz. center wound with Eaton Rapids Government standard wool yarn covered with Young's 61 alum tanned horsehide double stitched in 2 colors with waxed thread by the highest skilled workmen. Subjected to rigid inspection and any ball not meeting League standard is rejected.

National League

1K633 DOZ. *10.25

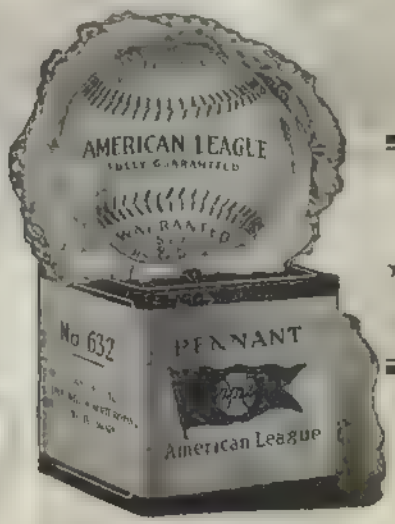


We guarantee Pennant "National League" baseballs to last 3 full games or 27 innings

"National League," red and black thread, finest pure Para gum center, each in sealed carton, foil and tissue wrapper

1K633—½ doz. in box ..... Doz ***10.25**

American League



1K632 DOZ. *10.25

We guarantee Pennant "American League" baseballs to last 3 full games or 27 innings

"American League," red and green thread, cork and Para rubber center, each in sealed carton, foil and tissue wrapper

1K632—½ doz. in box ..... Doz ***10.25**

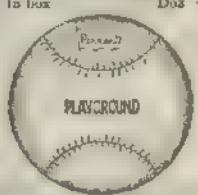
SOFT FILLED PLAYGROUND BALLS

8½ In. "Play Ball"

1K643—Imitation leather covered, closely stitched 1 doz. in box Doz **84c**

11 In. "Playground"

1K640—"Pennant," white [illegible] tanned selected heavy leather cover, [illegible] stitched, [illegible] yarn wrapped 1 doz. in box Doz **$2.25**



12 In. "Playground"

1K641—"Pennant," [illegible] heavy grade horsehide cover, close [illegible] stitched, [illegible] wrapped, [illegible] 1 doz. in box Doz **$3,95**

12 In. "Knockabout"

1K644—"Pennant," [illegible] chrome tanned [illegible] cover, [illegible] stitching, [illegible] 1 doz. in box Doz **$4,00**

10 In., 12 In. & 14 In. "Scholastic"

"Pennant," [illegible] horsehide [illegible] cover, [illegible] wound [illegible] yarn, each in carton [illegible] doz. in box

1K654—10 in. ..... Doz **$5,40**
1K652—12 " ..... " **7.20**
1K653—14 " ..... " **8,40**

CORK BALLS

1K624—1¾ in., natural cork, fine grained 1 doz. in box ..... Doz **75c**

1K623—1¾ in., hand stitched selected horsehide cover, official weight and size, nothing but selected cork used. Will stand a lot of punishment! 1 doz. in box Doz **$2.00**

"PENNANT" FIELDERS' GLOVES

Palm Patch

1K512 — Boys size, selected leather palm pad in the usual colors. Each 1 in box. Doz **$4.00**

Dollar Wonder Value

Leather Lined

Selected tan glove leather palm and fingers genuine leather lined, web lacing backs of fingers, set in thumb. ½ doz in box

1K499 — For right hand player

1K500 — For left hand player

Doz **$8.00**

Genuine Horsehide

Professional model, scoop cut, dark finish horsehide, three leather welted seams, felt pad with deep roll, extra heavy leather lined. ½ doz in box

1K507—For right hand player

1K508—For left hand player

Doz **$10.25**

Welted Seams

1K495 Shell tanned horsehide, wedge back, high pocket, black leather welted seams, full felt hand palm and fingers, leather lined. ½ doz in box.

Doz **$12.75**

Rawhide Laced

Professional model, extra heavy oil dressed black calf, leather lined, selected tan backs of fingers, three welted seams, full natural felt pad with deep pocket. ½ doz in box

1K502 — For right hand player

1K503 — For left hand player.

Each **$1.19**

Hand Made Felt Pad

1K363 — Buck finish pearl horsehide, full leather lined including back of fingers, tan leather welted and boxed, leather laced. 1 in box Each **$1.65**

Black Roll Binding

Selected tan horsehide, large professional model, wide leather welted seams, full leather lined, deep felt pad with deep roll pocket. 1 in box

1K355 — For right hand player

1K356 — For left hand player Each **$1.75**

Full Leather Lined

1K322 Professional model, dark tobacco brown calfskin, three seam, leather welted seams, roll binding, high hand, felt pad with deep roll pocket. 1 in box. Each **$2.35**

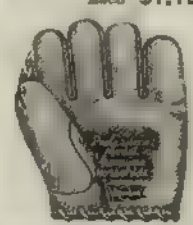
Adjustable Laced Thumb

1K344 'Bull dog' model Dave Robertson, autographed, dark brown oil dressed horsehide full leather lined, wrist pad. Leather welted seams and roll binding. 1 in box.

Each **$3.25**

Hand Made Felt Pad

1K524 Professional model genuine buckskin shade finish full leather lined, welted, roll pocket and laced with black leather. 1 in box Each **$4.00**



Adjustable Laced Thumb

1K325—"Ultra Professional" overseas model selected tan horsehide three piece leather roll pocket and welted hand made deep felt pad. 1 in box

Each **$5.25**

"Bill Doak" Model

Tan chrome horsehide oil treated with leather lined leather welted seams, hand rolled brown calfskin center lacing between thumb and finger. 1 in box

1K589 — For right hand player

1K588 — For left hand player. Each **$6.00**

"PENNANT" FIRST BASEMEN'S MITTS

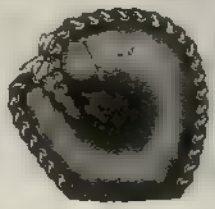
Large Youths' Size

1K575 Dollar Wonder," genuine tan brown leather face and back of hand and buckle wrist strap, welted edges. ½ doz in box Doz **$8.00**

Laced Edge

1K570—Cadet, large youths', tan leather throughout. ½ doz. in box.

Doz **$10.80**

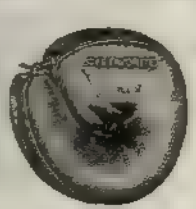


Horsehide Face

1K572 — "Winner," large youths', tan leather back and fingers, laced edge. ½ doz in box

Doz **$12.75**

"PENNANT" CATCHERS' MITTS



Black Cowhide

1K526 "Dollar Wonder," large youths' size, leather face and fingers, black bound edge, hand formed pad. ½ doz. in box

Doz **$8.00**

Laced Edge

1K527—Cadet, large youths' tan leather face, back and fingers. ½ doz. in box Doz **$10.80**

Black Horsehide Face

1K532 — "Winner," large youths', tan leather back and fingers, laced edge. ½ doz in box

Doz **$12.75**

Hand Made Pad

"Semi-pro." full men's size professional model, black tanned oil dressed leather face, wool layer felt pad. 1 in box

1K377 Faber laced Each **$1.30**

1K375 Leather laced Each **$1.50**

Layer Felt Pad

1K571 Professional model, heavy selected tan leather brown leather binding, leather laces, web and buckle thumb, wrist protector. 1 in box Each **$1.95**

"Lefty" Grimm Model

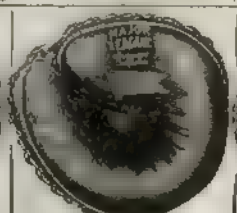
Heavy brown calfskin, autographed, leather binding, two layer felt pad

1K581 — For right hand player

1K582—For left hand player. Each **$2.50**

All Leather

1K530—"Regulation," full men's size heavy black cow hide face, rawhide laced back and fingers, leather faced hand formed pad. 1 in box Each **$1.35**



Hair Felt Layer Pad

1K531 — "Major League," brown heavy calf face and fingers, leather laced strap and web back with wrist protector. 1 in box Each **$2.75**

Hand Built Pad

Professional" scoop, heavy brown cowhide felt leather binding, two layer laced strap and buckle wrist with protector. 1 in box

1K589—For rt. hand player

1K520 — For left hand player Each **$4.00**

Asbestos Felt Pad

1K578 "Grabber" model, heavy selected tan horsehide face, full wrist protector, web and lacing. Black leather edge binding. 1 in box Each **$2.75**

"RAWLINGS"

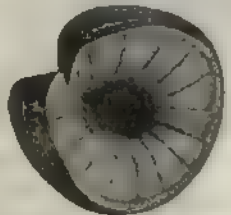
"Geo. Sisler" Model

Brown calfskin oil treated double stitched black leather welted hand turned seams, leather faced. 1 in box

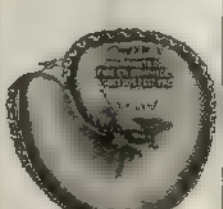
1K585 — For right hand player

1K584—For left hand player Each **$6.60**

Best Possible Construction



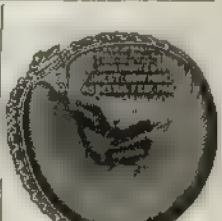
Showing the shaped deep pocket of asbestos padding used in the professional "scoop" Ray Schalk and "Hank Gowdy" models



"Ray Schalk" Model

1K534—Brown horse cow hide face, leather roll back, hand built asbestos felt pad in duplicate of the model used by Ray Schalk. 1 in box

Each **$6.00**

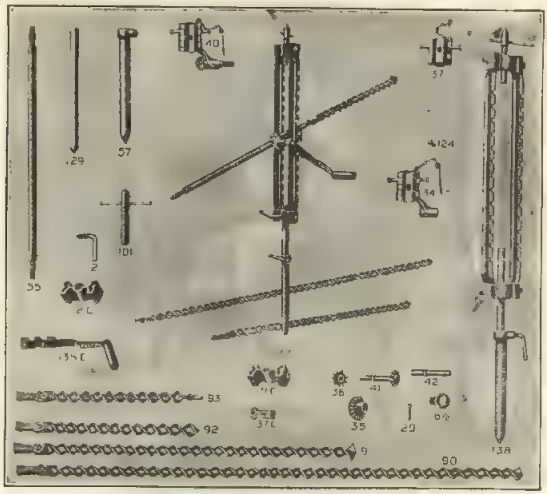


"Hank Gowdy" Model

1K538—Autographed, selected black cowhide leather, wrist strap and buckle, thumb adjustable, hand formed asbestos layer felt pad duplicate of the model worn by Hank Gowdy. 1 in box

Each **$6.75**

"QY" NOTCHED POST COAL DRILLS



BEAL'S "QY" POST DRILLS

Complete with side end gear. One each 2, 4 and 6 ft. augers. Weight 70 lbs. ..... Each **$17.00**
Complete with end gear only. One each 2, 4 and 6 ft. augers Weight 68 lbs ..... Each **15.00**
Can be furnished with No. 131C box and No. 134C gear in place of No 40 and No. 37 if desired.

FULTON "QY" POST DRILLS

Complete with 2, 4 and 6 ft. augers, 18 in. post. Weight 60 lbs. ..... Each **$13.50**
Complete with 2, 4 and 6 ft. augers, 24 in. post. Weight 65 lbs. ..... Each **13.50**
Complete with 2, 4 and 6 ft. augers, 30 in. post. Weight 70 lbs. ..... Each **13.50**
Complete with 2, 4 and 6 ft. augers, 36 in. post. Weight 75 lbs. ..... Each **13.50**

EXTRA PARTS TO FIT BEAL'S "QY" POST DRILLS AND FULTON "QY" POST DRILLS

No.	Name of Part	Weight, lbs.	Each
11C	Casting for post (jack screw No. 101 fits in)	4	$2.00
12C	Casting for post (No. 129 fits in)	4½	2.00
16½	Ring for 1¼ in. boot	⅝	.40
29	Small spring key or shaft	½	02½
34	Thread box (alloy metal)	3⅛	4.00
35	Large gear wheel	1	1 00
36	Small gear wheel	¼	.80
37	End gear thread box	2⅝	1.80
37C	Square socket for augers	1	.40
40	Thread box, complete with No. 42 shaft and No 36 small pinion	4½	4 50
41	Thread box shaft, with No. 36 small pinion, complete	⅛	1.90
42	Thread box shaft	⅝	1.00

No.	Name of Part	Weight, lbs.	Each
55	Thread bar	9	$4.00
57	Small boot, 1¼ in. in diameter	3	1.40
90	Long or 6 ft. auger	15	4.20
91	Medium or 4 ft. auger	10	2.80
92	Short or 2 ft auger	5	1.40
93	Auger extension, 2 ft. long	5	1.40
101	Jack screw	2¼	1 20
121	Tail set screw	½	.30
124	Set screw for No. 11C and 12C	⅛	.20
129	Small size stem that fits in No. 57.	7½	1.80
135C	Crank	2½	1.80
138	Post, complete, as shown in cut	35	10.00
131C	End gear thread box	4	2.00
254	Ratchet crank	2¾	4.25

When ordering parts, please give both number and name

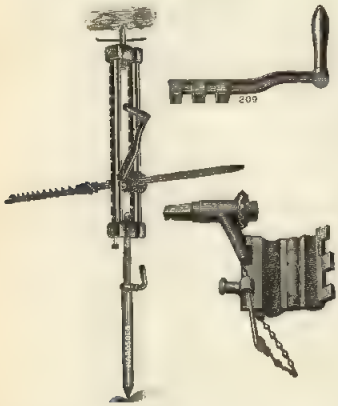
SLATE OR ROCK AUGERS

To Fit Beal's "QY" or Fulton "QY" Post Drills

Length, ft.	2	4	6
Weight each, lbs.	5	10	15
Each	$2.40	4.80	7.20

POST COAL DRILLS

HARDSOCG "A" STEEL



End

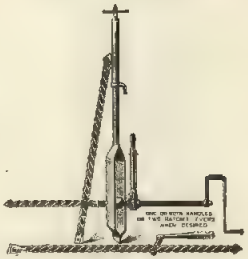
"A" Post Drill -Endgear, with one each 2, 4 and 6 ft. augers. Weight 76 lbs. .....Each $11.50

EXTRA PARTS FOR "A" POST DRILLS

No.	Name of Part	Each
100	New end gear box.	$1.35
221	Small cog	1.15
220	Large cog	1 05
222	New spiral auger socket	1.00
223	High carbon steel thread bar end gear; no slot	3.00
178	Same; slotted side gear	3.00
176	2-ft. auger	1 05
177	4-ft. auger	2 25
177½	6-ft. auger	3.20
192	2-ft. auger extension	1.65
209	New frictionless crank	1.65
180A	Side gear boxing	2.60
139A	Gear complete, less No. 220 large cog	3.80
	Post complete, 3 ft.	6.00

ROCK DRILLING MACHINES

HARDSOCG'S RATCHET



Specially designed to drill rock, fire clay and other hard substances. Very efficient, strong and durable.

Illustration shows rock machines complete, with 2, 4 and 6 ft. 1¼x½ square edge rock augers. Single and double cranks and ratchet.

Rock Machine—Complete with one each 2, 4 and 6 ft. augers. Weight each about 40 lbs....Each $21.50

Price above includes single and double cranks and ratchet.

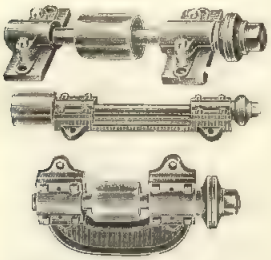
EXTRA PARTS FOR ROCK DRILLING MACHINE

No.	Name of Part	Each
	2-ft. rock augers, 1¼x½, square edge	$2.25
	4-ft. rock augers, 1¼x½, square edge	4.50
	6-ft. rock augers, 1¼x½, square edge	6.25
55	Thread bar, single slot; 8, 10, 12 or 14 threads per inch	3.00
56	Thread bar, double slot; 8, 10, 12 or 14 threads per inch	3.75
37B	Boxing	1.65
254	Ratchet.	3.40
255	Double crank	3.00
135C	Single crank	1.65
101	Jack screw	1.60
17	Ring for boot	.40
	Cog for ratchet	.55
	Pawl for ratchet	.20
	Spring for ratchet	.20
	Boot complete, 2 ft. long	4.50
	Boot complete, 2½ ft. long	5.25
	Boot complete, 3 ft. long	6.00

Above machine made with posts adjustable from 5 to 7 ft.

When ordering, give height of adjustable post desired, number of threads per inch on thread bar and length of augers wanted.

Saw Mandrels



Our Saw Mandrels are made of best grade of steel with self-oiling, babbitted bearings, with ample oil pockets in lower half of box, which should be kept full. They are fitted in the most careful manner and will run true and cool We can furnish them in any style shown in the cuts, and of any size given in the tables. All our Standard Mandrels are made with pulley to the right of the collars and with left-hand threads But we can furnish them with right-hand threads, when so desired. Saw is not included. Double-end mandrels at 1½ price of regular mandrels. For larger pulleys, add the difference in price of iron pulleys No allowance will be made for smaller pulleys.

Larger sizes or special mandrels made to order. When ordering, give length over all, and whether pulley is wanted to the right or left as saw runs toward you.

No.	Length			Diam.	Pulley		Fit Saw Hole
	B	C	Yoke D		Dia.	Face	
2930-1	16	26	19½	1⅝	3	4	1
2930-2	20	28½	21½	1⅝	4	4½	1⅝
2930-3	22	30	23½	1⅝	5	5	1¼
2930-4	26	33½	25½	1⅝	6	6	1¼
2930-5	30	36	28¼	1⅝	6	8	1½
2930-6	36	36	28¼	1⅝	8	8	1⅝
2930-7	42	....	....	1⅝	8	10	1⅝
2930-8	36	....	36	2⅜	10	10	2
2930-9	42	....	....	2⅜	12	10	2

Wood Splitter or Power Axe

No. 2931

This is a strong, durable machine which will soon pay for itself in splitting all kinds of wood. Made single, as illustrated, or with axe also on opposite side, making a double machine.

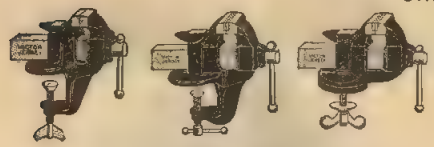
A single machine will split from five to ten cords a day and a double machine ten to twenty cords Made regularly for wood 8 to 18" long. 24" machine furnished on order at extra cost.

Specifications

Frame timbers 6" x 6" oak. Steel crank shaft with babbitted boxes having supporting rods extending through lower girt. Pedestal has 10" adjustment. Balance wheel 32" diameter and 6" face, weighing 250 lbs. Speed 150 R.P.M. Total height 86". Horsepower required, 2 to 3. Shipping weight single machine, 1,300 lbs.; double machine, 1,850 lbs.

BENCH VISES

STANLEY



NOS. 741 TO 746 NOS. 761 TO 765 NOS. 772 TO 775

The screw (body, head and collar) is turned from one solid piece of cold rolled steel and has a square, lathe cut thread. The steel jaws are hardened and all jaws are ground to meet square and true.

Clamp Base, Plain Iron Jaws

No.	Jaws	Wt each	Each
741	1½ in.	3 lbs.	$2.00
742	1¾ in.	3¼ lbs.	2.25
743	2 in.	3½ lbs.	2.65
744	2¼ in.	4 lbs.	3.15
745	2½ in.	5 lbs.	3.60
746	3 in.	8¾ lbs.	5.50

Clamp Base, Hardened Tool Steel Jaws

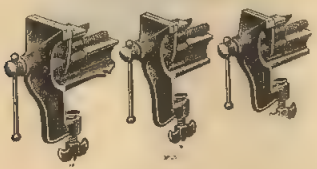
No.	Jaws	Wt. each	Each
761	1½ in.	3 lbs.	$2.25
762	1¾ in.	3¼ lbs.	2.75
763	2 in.	3½ lbs.	3.15
764	2¼ in.	4 lbs.	3.75
765	2½ in.	5 lbs.	4.25

Swivel Base, Hardened Tool Steel Jaws

No	Jaws	Wt. each	Each
772	1¾ in.	3 lbs.	$2.65
773	2 in.	3½ lbs.	3.15
775	2½ in.	5½ lbs.	4.25

Loose

IMPROVED CLAMP



NOS. 10 TO 12

Sliding jaw, operated by steel screw, which has deep square cut thread. Jaws ground and polished. Vise finished in black japanned, baked on.

No	Jaws	Wt. each	Each
10	1½ in.	1¼ lbs.	$1.25
11	1¾ in.	1⅛ lbs.	1.50
12	2 in.	1¾ lbs.	1.75

Loose

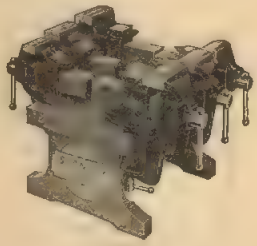
NOS. V-91½ TO V-93

SET NO. 12

Twelve vises and display stand. Contains two each Nos. 741, 742 and 743; one each Nos. 744, 745, 746, 761, 763 and 772.

Set No	Wt. per set	Per set
12	64 lbs.	$36.00

One set in a case



ASSORTMENT No. V-6

Stand made of heavy wood 14x11x8 inches. Painted bright yellow.

Assortment includes following vises:

1 No. 741 1½-in. iron jaw vise
1 No. 743 2 -in. iron jaw vise
1 No. 762 1¾-in. steel jaw vise
1 No. 763 2 -in. steel jaw vise
1 No. 764 2¼-in. steel jaw vise
1 No. 765 2½-in. steel jaw vise

Asst No	Wt. per asst	Per asst.
V-6	36 lbs.	$15.00

One assortment in a case

LUTHER

Square shoulder. Equipped with one-piece steel handle, steel feed screw, malleable clamp screw and steel guides. Black enamel finish.

No.	Width jaws	Jaws open	Wt. each	Each
V-91½	1½ in.	1½ in.	1¾ lbs.	$2.50
V-92	2 in.	2½ in.	3½ lbs.	3.50
V-92½	2½ in.	2¾ in.	5 lbs.	5.00
V-93	3 in.	3½ in.	8 lbs.	7.00

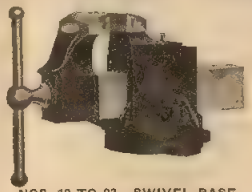
BENCH VISES

PRENTISS MACHINISTS SELF-ADJUSTING JAW

Solid steel faced jaws. Back jaw self adjusting and conforms by automatic action to any angle; adjusts itself and makes firm the material held whether straight, beveled or wedge shaped. By inserting pin, jaw becomes fixed, thus making a parallel solid jaw vise. Self-adjusting jaw rests and works up on and against solid body of vise, strong and durable as a solid jaw.

NOS. 2 TO 6—STATIONARY BASE

No.	Jaws	Opens	Wt each	Each
2	3½ in.	4⅝ in.	28 lbs.	$20.00
2½	4 in.	5¼ in.	41 lbs.	24.00
3	4½ in.	6 in.	54 lbs.	29.00
4	5¼ in.	8 in.	96 lbs.	46.00
5	6 in.	9 in.	146 lbs.	65.00
6	7 in.	11 in.	184 lbs.	85.00



NOS. 19 TO 23—SWIVEL BASE

No.	Jaws	Opens	Wt each	Each
19	3½ in.	4¾ in.	32 lbs.	$27.00
19½	4 in.	5½ in.	46 lbs.	30.00
20	4½ in.	6 in.	65 lbs.	36.00
21	5¼ in.	8 in.	109 lbs.	57.00
22	6 in.	9 in.	168 lbs.	80.00
23	7 in.	11 in	207 lbs.	95.00

PRENTISS "BULL DOG" MACHINISTS

Solid steel faced jaws. Solid jaw parallel machinists' and blacksmiths' vises. Best of materials and workmanship. Superior in style, finish, strength and durability.

NOS. 51 TO 58—STATIONARY BASE

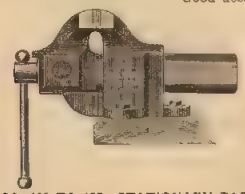
No.	Jaws	Opens	Wt. each	Each
51	3⅜ in.	5½ in.	28 lbs.	$ 14.00
52	4⅜ in.	6 in.	42 lbs.	17.50
53	4⅝ in.	7 in.	52 lbs.	21.00
54	5 in.	8 in.	72 lbs.	27.00
55	5½ in.	9 in.	100 lbs.	49.00
56	6 in.	10 in.	135 lbs.	52.00
57	7 in.	12 in.	210 lbs.	70.00
58	8½ in.	12 in.	275 lbs.	100.00

NOS. 90 TO 97 SWIVEL BASE

No.	Jaws	Opens	Wt. each	Each
90	3¼ in.	4 in.	28 lbs.	$16.50
91	3⅝ in.	5½ in.	36 lbs	19.50
92	4½ in.	6 in.	52 lbs	22.50
93	4⅝ in.	7 in.	64 lbs	24.00
94	5 in.	8 in.	85 lbs.	39.00
95	5½ in.	9 in.	115 lbs.	50.00
96	6 in.	10 in.	155 lbs	65.00
97	7 in.	12 in.	235 lbs.	90.00

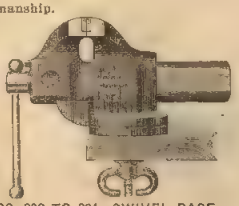
ERIE MACHINISTS

Good design. Best materials and workmanship.



NOS. 102 TO 105—STATIONARY BASE

No.	Jaws	Opens	Wt. each	Each
102	2 in.	2½ in.	12 lbs.	$ 8.25
102½	2½ in.	3 in.	15 lbs.	9.00
103	3 in.	3½ in.	20 lbs.	10.00
103½	3½ in.	4 in.	28 lbs.	11.25
104	4 in.	5 in.	35 lbs.	12.75
104½	4½ in.	6 in.	45 lbs.	15.50
105	5 in.	7 in.	54 lbs.	20.00



NOS 202 TO 204—SWIVEL BASE

No.	Jaws	Opens	Wt each	Each
202	2 in.	2½ in.	13 lbs.	$10.50
202½	2½ in.	3 in.	16 lbs.	12.00
203	3 in	3½ in.	22 lbs.	13.00
203½	3½ in.	[illegible] in.	30 lbs.	15.00
204	4 in.	[illegible] in.	40 lbs.	17.00

All the above, loose.

SINGLE SHOT RIFLES

PAGE-LEWIS

In design and construction particular care has been given to the selection of material best suited to the use of most modern 22 caliber ammunition.

MODEL C OLYMPIC

Take Down, Lever Action

24 inch round steel barrel; blued heavy steel frame; steel lever; tool steel hammer and trigger; oil finished walnut stock; length 13½ inches; steel butt plate. **Sights:** Combination Front; Sporting Rear and Peep Tang sight.

No. C—22 caliber; plain extractor shoots 22 short, long and long rifle R. F. cartridges; weight 4¾ pounds . . . . . Each $15.00

MODEL B SHARPSHOOTER

Take Down, Lever Action

24 inch round steel barrel; blued steel frame; steel lever, hammer and trigger; oil finished oval walnut stock; lengths 13½ inches; steel butt plate. **Sights:** Bead Front and Sporting Rear.

No. B—22 caliber; plain extractor; shoots 22 short, long and long rifle R. F. cartridges; weight 4¾ pounds . . . . . Each $13.50

MODEL D BOLT ACTION

20 inch round special steel barrel; oil finish dark color stock and fore arm; length over all 37½ inches

No. D—22 caliber; shoots 22 short, long and long rifle R. F. cartridges; weight 3 pounds . . . . . Each $7.50

DAISY AIR RIFLES

A 50 Shot Repeater, Lever Action

New Military; beautiful walnut finished stock; barrel and metal parts finished in gun blue; detachable bayonet with rubber tip; knife type front sight, open and adjustable rear sight; complete with sling and swivel.

No. 40—Length over all including bayonet 45 inches; weight 3¾ pounds . . . . . Per Dozen $60.00

Half dozen in a case

Take Down Model

Pump Action Repeater; loads automatically, forced feed; magazine holds 50 shots; non-rusting gun blue frame and barrel; hand polished genuine black walnut stock; adjustable front and rear sights; operates by pulling the slide toward the stock.

No. 25—Length over all 38 inches, weight 3¼ pounds. . . . . Per Dozen $60.00

Half dozen in a case

DAISY AIR RIFLES

LITTLE DAISY POP GUN

Steel metal parts, nickel plated; walnut stock. Shoots a cork and makes a loud noise with absolutely no danger.

No. 10—Length 17 inches; weight 7 oz. . Per Dozen $5.40

One in a pasteboard box.

BIG DAISY POP GUN

Steel metal parts, nickel plated; genuine walnut stock. Shoots rubber ball or cork; makes loud noise; absolutely no danger

No. 14—Length 21 inches; weight about 1 pound. . . . . Per Dozen $9.00

One in a carton

SINGLE SHOT

For Air Rifle Shot and Darts

Single shot; lever action; single piece steel barrel, nickel plated; genuine black walnut stock; barrel is removable

No. 11—Length over all 31½ inches; weight 1¾ pounds. . . . . Per Dozen $24.00

One dozen in a case.

REPEATER

Shoots Air Rifle Shot

Automatic Repeater; lever action magazine holds 350 shot; single piece steel barrel nickel plated; genuine black walnut stock. A very sturdy gun-like air rifle.

No. 12—Length over all 31½ inches; weight 1¾ pounds. . . . . Per Dozen $18.00

One dozen in a case

LITTLE DAISY SINGLE SHOT

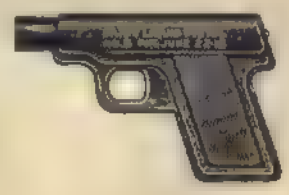
For Air Rifle Shot

Single Shot; designed to meet the demand for the small boy. Smaller and lighter than the No. 12 Daisy. Nickel plated steel barrel; black walnut stock.

No. 20—Length over all 29 inches, weight 1½ pounds. . . . . Per Dozen $10.80

One dozen in a case

DAISY LIQUID PISTOL



Automatic Design

Made from steel, blue finish; simple to load and discharge; no rubber bulb to get out of order; throws a fine stream of water 25 feet

No. 8—Length 5½ inches; weight 5½ oz. . Each $0.25

One in a carton.

BING'S GUARANTEED MECHANICAL TRAINS

These are unquestionably the finest mechanical trains built; all are equipped with extra strong clock work mechanism and fully guaranteed; every number is handsomely finished in bright colors and striped; where type trains are mentioned colorings correspond with the painting and trimmings of the lines designated.

STEEL LOCOMOTIVES

Four sections curved track, length of train 15 ins.

T3226—Consists of 5½ in. steel locomotive 3⅛ in. tender and 4½ in. Pullman coach; New York Central type; 4 sections curved track; total length of train 15 ins.; each in box. Dozen.....8.50

Four sections curved track, length of train 20½ ins

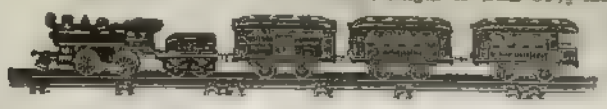
T3228—Consists of 5½ in. steel locomotive, 3⅛ in. tender, and two 4½ in. Pullmans; complete with 4 sections curved track; New York Central type; total length train 20½ ins.; each in box. Dozen 8.50

AUTOMATIC STOP TRAINS

Four straight, eight curved sections track; length of train 23 ins.

T3230½—Consists of 6 in. cast iron locomotive; 3½ in. tender, two 4 in. Pullmans; start and stop lever in cab, New York Central type; (train can be stopped by brake section); complete with 8 curved and 4 straight sections track; total length train 23 ins.; each in box. Each..... 1.75

Four straight, eight curved sections track, length of train 31½ ins.



T3231½—Consists of 7½ in. cast iron locomotive, with start and stop lever operating from cab; 3½ in. tender; one 5½ in. baggage car with sliding door; one 6¼ in. Pullman, and one 6½ in. observation car; New York Central type; complete with 8 sections curved and 4 sections straight track; total length of train 31½ ins.; each in box. Each.....2.75

Four straight, ten curved sections and right and left switches; length of train 32 ins.

T3232½—Consists of 7½ in. cast iron locomotive, nickeled piston rods, 4 in. tender; 5½ in. baggage car with 2 sliding doors; 5½ in. Pullman and 5½ in. observation car; start and stop lever in cab; (train can be stopped by brake section); New York Central type, complete with 10 sections curved, 4 sections straight track and 1 pair right and left switches; total length train 32 ins.; each in box. Each 8.75

AUTOMATIC REVERSIBLE TRAINS

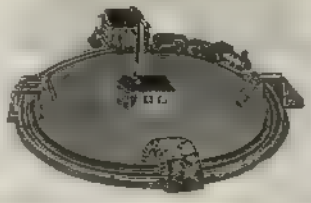
Six straight, eight curved sections track; length of train 36 ins.

T3239—Consists of 3¼ in. cast iron locomotive, nickel plated trimmings; 4⅛ in. tender, one 6¾ in. baggage car, one 6½ in. Pullman and one 6½ in. observation car; automatic reversible control from track; complete with 8 sections curved and 6 sections straight track; total length of train 36 ins.; each in box. Each 5.50

Four straight, eight curved sections, one switch section track; length of train 38 ins.

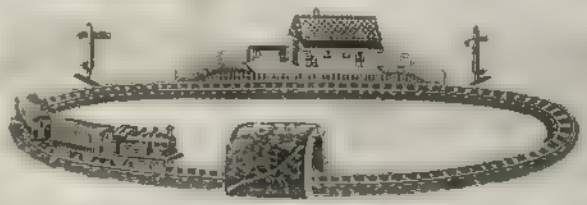
T3240—The finest mechanical train built; consists of 9 in. cast iron locomotive, nickeled piston rods and nickeled trim, 5 in. tender, loaded with imitation coal; one 6½ in. baggage car, one 6½ in. Pullman and one 6½ in. observation car; with automatic reverse from track; complete 8 sections curved, 4 sections straight, and one special switch section; total length of train 38 ins. Each in box. Each 9.00

MINIATURE TABLE MECHANICAL TRAIN



T8157—Lithographed metal landscape center; train consists of locomotive, tender and 2 passenger coaches, mounted on circular revolving track, with power house, station, foot bridge, railway bridge, tunnel and semaphore; with stop lever; all parts lithographed in attractive colors; diameter 10½ ins.; each in box. Dozen 10.50

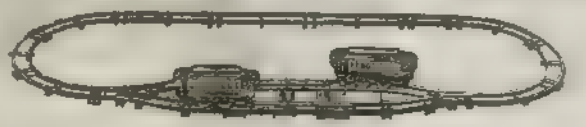
T3223—Consists of 4 in. sheet steel locomotive, 2 in. baggage car, 3 in. Pullman and 3 in. observation car; 12 sections curved and 4 sections straight track (one section with stop lever), making oval 24x42 ins.; total length of train 15 ins.; each in box, complete. Each 1.25



T3224—Consists of 4 in. sheet steel locomotive, 3 in. baggage car, 3 in. Pullman and 3 in. observation car making train 15 ins. long; 12 sections curved track; each complete in box. Each 1.50

T3225—Same as T3224, but with 24 sections curved track, one cross-over, making figure 8 track; 1 double and 2 single arm semaphores, 2 telegraph poles and railway station; each complete in box. Each 2.25

TWO TROLLEY CAR OUTFIT WITH MECHANICAL SWITCH

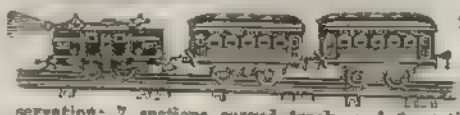


T8165—Outfit consists of 2 mechanical trolley cars 3½x8⅛ in. high, double tracks, nicely finished in colors, with strong clock work spring; 12 sections straight and curved track with switch, so cars can pass each other without colliding; track makes oval 56x23 ins.; each in box. Each 4.50

BING'S GUARANTEED ELECTRIC TRAINS

You cannot buy a better made, or more handsomely finished train anywhere than this line; and remember we guarantee them; all with headlights.

T3202—Steam type 7½ in. cast iron locomotive, with headlight; 3½ in. tender; two 4¾ in. Pullmans; C. M. & St. P. type; 7 sections curved track, 1 section with connection post and speed control; length of train 21 ins.; finished black and yellow, brown and red striped; each in box. Each 8.75



T3203 — N. Y. Central type; 8⅛ in. locomotive, with headlight, brass trim; one 5½ in. Pullman and one 5½ in. observation; 7 sections curved track, and 1 section with connection post and speed control; finished in gray, brown, black and green; yellow striped; each in box. Each 4.50

Automatic reversible engine; switch control

T3295—Pennsylvania type; 8¼ in. reversible locomotive, with headlight; one each 5½ in. baggage, Pullman, and observation car; 8 sections curved, 1 section straight track and 1 section straight with speed control; finished in maroon, black, buff and gray, yellow striped; length of train 27 ins., each in box. Each 5.50

EXTRA CARS FOR LIONEL TRAINS

Sheet steel all perfectly enameled in bright colors and handsomely striped

CABOOSE

For "O" Gauge Track

T3333 (801)—"O" gauge track; 6 ins. long, 2 ins. wide, 3¼ ins. high, each in box. Each ..... .88

T3345 (822)—"O" gauge track; 7½ ins. long, 2⅝ ins. wide, 3⅝ ins. high; each in box. Each.. .95

For Standard Gauge Track

T3365 (117) — Standard gauge track; 9⅝ ins. long, 3 ins. wide, 4⅝ ins. high; each in box. Each 1.60

T3372 (17)—Standard gauge track, 9⅝ ins. long, 3½ ins. wide, 6½ ins. high; each in box. Each 2.55

BOX CAR

For "O" Gauge Track

T3332 (800)—"O" gauge track; 6 ins. long, 2 ins. wide, 3 ins. high, each in box. Each 88

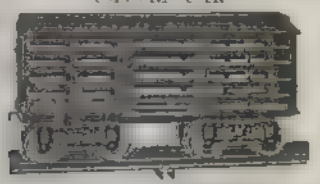
T3344 (820) — "O" gauge track; 7½ ins. long, 2⅝ ins. wide, 3½ ins. high; each in box. Each .95

For Standard Gauge Track

T3363 (114) — Standard gauge track; 9½ ins. long, 3 ins. wide, 4¼ ins. high; each in box. Each 1.60

T3369 (14)—Standard gauge track 11 ins. long, 3½ ins. wide, 5¼ ins. high; each in box. Each 2.55

CATTLE CAR



For "O" Gauge Track

T3334 (802) "O" gauge track; 6 ins. long, 2 ins. wide, 3 ins. high each in box. Each ..... .88

For Standard Gauge Track

T3362 (113) — Standard gauge track; 9½ ins. long, 3 ins. wide, 4¼ ins. high; each in box. Each 1.60

T3368 (13)—Standard gauge track, 11 ins. long, 3¼ ins. wide, 5 ins. high, each in box. Each 2.55

GONDOLA CAR

For "O" Gauge Track

T3331 (901) "O" gauge track, 6 ins. long, 2 ins. wide, 3 ins. high, each in box. Each ..... .83

For Standard Gauge Track

T3361 (112) — Standard gauge track; 9½ ins. long, 3 ins. wide, 2¾ ins. high; each in box Each 1.15

T3367 (12)—Standard gauge track; 11 ins. long, 3½ ins. wide, 3½ ins. high; each in box. Each 2.25

BALLAST CAR

For "O" Gauge Track

T3335 (803)—"O" gauge track; 7 ins. long, 2 ins. wide, 3 ins. high; each in box. Each ..... .52

T3371 (16)—"O" gauge track; 11 ins. long, 3¾ ins. wide, 4¾ ins. high; each in box. Each 2.55

For Standard Gauge Track

T3364 (116) — Standard gauge track; 9½ ins. long, 3 ins. wide, 3¾ ins. high; each in box. Each 1.60

OIL CAR

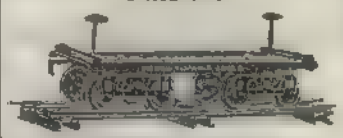
For "O" Gauge Track

T3356 (804)—"O" gauge track; 7 ins. long, 2 ins. wide, 3½ ins. high, each in box. Each ..... .45

For Standard Gauge Track

T3370 (15)—Standard gauge track; 11 ins. long, 3½ ins. wide, 5¼ ins. high; each in box. Each....2.55

FLAT CAR



For Standard Gauge Track

T3366 (11)—Standard gauge track; 11 ins. long, 3½ ins. wide, 3½ ins high; each in box. Each.....1.60

PULLMAN COACH

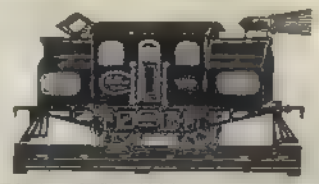
For Standard Gauge Track

T3373 (35)—Standard gauge track, 11 ins. long, 3 ins. wide, 5 ins high, each in box. Each 2.90

Lionel are the best known and most reliable goods made; fully guaranteed.

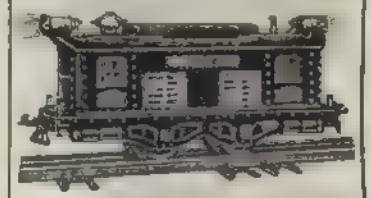
EXTRA LOCOMOTIVES FOR LIONEL TRAINS

"O" GAUGE

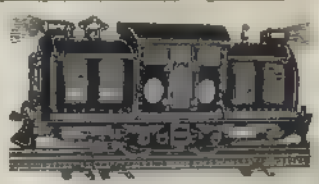


T3317 (150)—"O" gauge track; 6 ins. long, 3 ins. high, 2½ ins. wide, 4 wheels and runs in one direction only; complete with electric head light; each in box. Each....8.75

T3318 (153)—Same as T3317, larger and equipped with reversing controller; 7 ins. long, 3⅛ ins. high, 2½ ins. wide; complete with electric headlight; each in box. Each 6.00



T3319 (253)—"O" gauge track 9¾ ins. long, 2½ ins. wide, 3¾ ins. high; with 2 electric head lights and improved reversing con troller; each in box. Each...7.75



T3320 (254)—"O" gauge track; 10 ins. long, 2½ ins. wide, 4 ins. high; with 2 electric headlights and improved reversing contro ler, each in box. Each 9.50

BULBS FOR ELECTRIC TRAIN OUTFITS

These bulbs are of the finest quality, all carefully test ed and each packed in wooden container.

T3476 (24)—⅛ in. round, 8 volts. Each ..... .25

T3477 (26) -⅛ in. round, 14 volts. Each ..... .25

T3478 (46)—1 in. round, 8 volts. Each 25

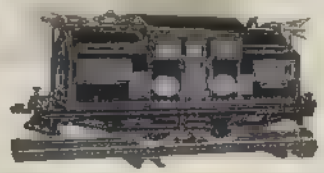
T3479 (30)—1 in. round, 14 volts. Each 25

T3480 (11) — Cabinet containing 50 assorted lamps of 8, 14 and 21 volts; all ⅛ in. round. Assortment 12 00

STANDARD GAUGE

T3321 (8)—"Super-Model"; elec tric headlight, reversing controller automatic couplers; 1¾ in. gear driven wheels; 13 ins. long, 2 ins. wide, 4½ ins. high; each in box. Each 9 50

T3322 (10)—"Super-Motor"; C. M. & St. P. type, front and rear elec tric headlights, reversing controll er and automatic couplers; 14 ins. long, 3½ ins. wide, 5 ins. high; each in box. Each 11.50



T3323 (318) — "Super-Motor" model; 14½ ins. long, 3¾ ins wide, 5½ ins. high; with 2 head lights and improved reversing con troller; 8 sections curved track and one lock-on connection; track makes circle 42 ins. in diameter; each in box. Each 18.50

T3324 (380) — "Super-Motor" mo del; 15 ins. long, 4 ins. wide, 6¼ ins. high; 2 headlights and re versing controller; 8 sections curved and 6 sections straight track with lock on connection, mak ing oval 42x69 ins.; each in box. Each 15.50

TWIN SUPER MOTOR MODEL

Standard Gauge

T3325 (402)—Highest achievement in miniature electric locomotive con struction; 17½ in. long, 4½ in. wide, 6½ in. high; 2½ in. drive wheels, double truck, reversing controller, 2 headlights, 8 sections curved, 4 sections straight track with lock-on connection, making oval 42x69 ins.; each in box. Each 26.50

IMPORTED STEEL LOCOMOTIVE

Extra strong; built of heavy galvanized steel.

T2883—Steel body; red and black enamel finish; brass bumper, smoke stack, bell, safety steam valve; length 23 ins., width 7¼ ins., 11½ ins. high; 4½ in. red and black enameled heavy metal wheels, nickel plated rims, each in carton. Each 5.50

Gifts for Christmas

Order Early

Extra Large Train

Each car 12½ inches long and 4¼ inches high

Usually Retails for $30 or $35

Our Price $19.00

4 fine electrical wizard locomotive, 2 cars, transformer, track and rail clips. Sliding baggage car, Handsome Pullman and observation motor car. Complete set of electric track, forming oval. Operates with transformer at 40 or 60 cycles, as pictured, below.

48 C 85—Train and track, fibretuge, 42¢ extra, $19.00

Electric Lighted Passenger Coaches See It Grab the Mail

A fine 32-inch Electric Train, 2 car coaches electrically lighted. Mail car with sliding door, mail bag and hook. Electric headlight and tail on engine. Has 4 spl.-wheel Gravity Grip coaches, each 6½ inches long, in fast or slow speed. Transformer and track 48 C 33 listed separately at right.

48 C 66—Complete train and track $8.75

Postage, 24c extra

Extra track, 6-inch sections, 48 C 33, 10¢

Postage, 4¢ extra

Mechanical Train De Luxe

Mail Car

Baggage Car

the track make the three mail bags. (See illustration at left, with one bag in the air.) Has 4 spl.-wheel trucks, 2 with flanged outside doors. Pullman car and observation car with rolled-in back platform. Beautiful colors lithographed on steel, nut painted, each detail clearly reproduced. Mountain oak, polished piston rods and extra strong red flares from the 14-inch oval track. Transformer on opposite page.

48 C 76—Outfit $5.00

Postage, outfit, 32¢ extra

124 Inches of Track and Two Switches

A 24½-inch Train of 4 lengths of track w double switch. A fine railway system, big mountain type locomotive, 2 cars, transformer, track and rail clips. Strong American Flyer guaranteed motor. Two nickel-plated cars handsomely lithographed (red, blue). each 5½ inches long. The baggage car has sliding doors. The engine is a beauty, with polished domed pole and stack and stop lever in cab. Extra track, stations and accessories shown on opposite page.

48 C 41

Postage, 40¢ extra

37½-Inch Freight Train and 18 Cars

Big string of freight cars and a handsome engine, strong enough to haul them. The engine, tender and coaster are 11¾ inches in length and the cars are each 5½ inches long. Lots of real cars, with railway system.

Buy more track, switches and crossover stations and freight cars shown on the opposite page and have a real railway system.

48 C 71—Outfit $2.95

Postage, 32¢ extra

B & O Local Makes All Stops

$2.98

Engine, tender and baggage coach has all the complete outfit as a real B. & O. train.

48 C 6 ..... $2.98

Postage, 32¢ extra

Three-Coach Train

$2.67

Engine, tender and three coaches make up the Pullman train. A real baggage coach, with sliding doors, with real trucks and

of track which come with this set can easily be put together to form an oval 24½ inches in circum-

48 C 7 ..... $2.67

Postage, 32¢ extra

Two Car Train

Our Little Wonder Set

69¢

Usually a one-car train of this quality sells for as much as we ask for this two-car train. Mighty fine looking, all lithographed in black and red with touches of nickel color and yellow. Easy to start and easy to stop too, with the lever in the cab of the engine. Set has 8 curves, 4 straights and 1 switch.

48 C 13 ..... 69¢

Postage 16¢ extra

Toy Town Suburban

$1.29

All-metal Imported Train, with start and

2 young couples in 1874.

Large Wind-Up Car

$1.19

Big nickel-plated, top-as-you-choose Street

48 C 6 ..... $1.19

Postage, 16¢ extra

Circular Track Included

Electric Street Car

67¢

48 C 8 ..... 67¢

Postage, 8¢ extra

Circular Track Included

59¢

48 C 4 ..... 59¢

Gilbert Erector and Tool Sets

$8.79

$2.69

Erector Set No. 3

The set for the regular boy, who wants to experiment for himself on how many new models he can

The parts are designed exactly like those used in building toy structures of steel.

This set includes 12 right angles, 6 small wheels, 1 flat girder plate, 6 girder plates, 6 corner plates, 1 set of screws, nuts and spacers, 4 metal plates, 4 fast tracks

Erector Set No. 7 Makes 560 Models
Runs Them with Electric Motor

toy. Every piece used in real steel

screws, 84-page instruction book, wrapped in strong wood box with hinged cover.
448C1193 Per set $3.79
Postage, per set, 36c extra

89¢

Erector Set Builds 278 Models

will teach him to use his hands as well as his head. A small electric motor for rub-

make them right — just as they are done by a real engineer

48C1190 Per set ..... 89¢

$4.47

Erector No. 4 Makes Real Models
With Motor Run by Electricity

With this Erector you can make real gasoline, 4 large grooved wheels, two 8-

forever, be the helper exempt. You can make 400 models with this set.

plates, 8 large base plates, 8 narrow plates, 2 small triangles, 4 long flexible strips, 10

screwdriver, wrench and pliers. Boys included with explicit and de- tailed directions. Screws

$4.98

you want. 192-page book tells explains 450 different experiments — All necessary materials are included. 45 electricals in all.
44C1195—In decorated wood chest, 22 by 8¾ by 2¾ in... $4.98
Postage, per set, 72c extra

GILBERT Tool Chests

$8.79

$2.89

15 Pieces

5 tools in hinged wire plate, hardwood mallet

$4.69

Young Carpenters' Set
22 Good Grade Tools

Many wood chest, as- sorted nail chisel, screwdriver, metal gauge, pliers, rule and saw and plane.

$8.98 **Manual Training Tool Chest—29 Tools**

98¢

12-Piece Tool Set

saw, and Manual of Carpen-
48C1165—Per set $4.69
Postage, per set, 36c extra

as follows: Tempered steel hand clothes line with set tools for

Bissell's Spring "Decorator" Display

THIS new spring Display is aptly named for it certainly makes a decorative and attention-getting piece for a window or departmental showing of merchandise. Of course this black and white illustration is wholly inadequate to visualize the real beauty of the "Decorator" Display which has a background of gold bronze with Grecian motif scroll work in light green, gold lattiwork, rich blue borders for the snappy jet black reading panels, and a final touch of red and white to season.

Altogether a forceful yet dignified Display —a charming color combination carrying a direct invitation to "Buy Now," at your store.
Even the shape is out of the ordinary. It looks big and commanding but is economical of space, having a spread of 39 inches and is 35 inches high.
A broadly helpful Display offered to merchants who sell Bissell's Sweepers, for use to our mutual advantage.

A Beautiful Display that is an Invitation to "Buy Now."

Helps You Sell Bissell Carpet Sweepers

Look over your stock of Bissell Carpet Sweepers NOW
Make up your order from showing below.

Grand

Case of Seal Brown Gumwood with Japanned Fittings. Cyco Ball Bearings. No-Mar Rubber Corner Cushions. Best Quality Brush. Each Pan Dumps Separately. Length 17 Inches.

Per Dozen

No. **1000**—Japanned Trimmings **$60.00**

Elite

Case of Mahogany Veneer with a Fine Rubber Finish. Cyco Ball Bearings, No-Mar Rubber Corner Cushions. Brush Best Quality. Each Pan Dumps Separately.

Per Dozen

No. **700**—Nickeled Trimmings **$60.00**

Parlor Queen

Case of Imported Rosewood Veneer, Oil Rubbed Finish. Cyco Ball Bearings. No-Mar Rubber Corner Cushions. Best Quality Brush. Each Pan Dumps Separately.

Per Dozen

No. **900**—Nickeled Trimmings **$56.00**

American Queen

Case of Imported Rosewood Veneer, Oil Rubbed Finish. Cyco Ball Bearings. No-Mar Rubber Corner Cushions. Best Quality Brush. Each Pan Dumps Separately.

Per Dozen

No. **20** Nickeled Trimmings **$54.00**

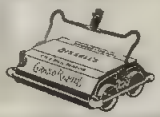
Princess

Case of American Quartered Oak Veneer, Finished Golden, Oil Rubbed. Cyco Ball Bearings. No-Mar Rubber Corner Cushions. Best Quality Brush. Each Pan Dumps Separately.

Per Dozen

No. **2000**—Nickeled Trimmings **$50.00**

Grand Rapids



Assorted Seal Brown and Mahoganized Gumwood Finishes. Cyco Ball Bearings, No-Mar Rubber Corner Cushions. Best Quality Brush. Both Pans Dump at once.

Per Dozen

No. **100** B. B.—Japanned Trimmings **$44.00**

No. **200** B. B.—Nickeled Trimmings **48.00**

Universal

Mahogany Finish Gumwood Case. Original Cyco Bearing Construction with Excellent Quality Brush. Both Pans Dump Together.

Per Dozen

No. **100**—Japanned Trimmings **$42.00**

No. **200**—Nickeled Trimmings.. **46.00**

Standard

Case of Mahoganized Gumwood, Gloss Varnished Finish. Pure Bristle Brush. Self Adjusted to Different Kinds of Carpet.

Per Dozen

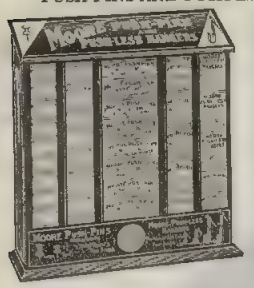
No. **400**—Japanned Trimmings **$36.00**

One in a Carton, One Dozen in a Case. Weight About 65 Pounds to the Dozen.

SUPPLEE-BIDDLE HARDWARE COMPANY, PHILADELPHIA

MOORE PUSH-PIN COMPANY PRODUCTS

PUSH-PINS AND PUSH-LESS HANGERS



The New Attractive Metal Display Cabinet is Made of Sheet Steel Finished in Mahogany Brown Color with Lettering and Products Lithographed in Gold. Illustration of Girl Appears on Left Side Putting up Poster with Push-Pins; on Right Side Another Illustration Shows Girl Hanging Picture with a Push-less Hanger. Below each Illustration is Listed Uses for each of These Products. The Dominant Idea in Connection with the Display is Compactness and Simplicity in Design, Advertising Copy and Color Effect—All of which is of Distinct Advertising and Selling Value.

Dimensions 4 x 18¼ x 14½ Ins. Weight Filled 8½ Lbs.

With each Cabinet is Furnished Advertising Material as Follows: 3 Display Signs, 100 Advertising Folders, 1 Postal Card Request for Imprinted Folders and 1 Cork with Samples Attached.

This Cabinet is the Connecting Link Between Your Store and this Company's Extensive National Advertising.

Contains a Proportionate Salable Assortment of:

22 Packets No. 1 Push-Pins	52 Packets No.26 Push-less Hangers
18 Packets No. 2 Push-Pins	10 Packets No. 27 Push-less Hangers
42 Packets No. 24 Push-less Hangers	6 Packets No. 28 Push-less Hangers
	150—10c Packets

Per asst

No. L15—Retail Value $15.00 ..... **$10.00**

PUSH-PINS

GLASS HEADS—STEEL POINTS

No. 1 Small or No. 2 Large

Your Customers Ask for and Demand These Nationally Advertised Moore Push-Pins in the Original Packets.

No 1

No 2

Packed 6 to a patented packet. Per carton

No. B12	—6 Packets Each Size in Carton, Wt. 7 Oz.	**$.80**
No. C1	—12 Packets Size No. 1 in Carton, Wt. 6 Oz.	**$.80**
No. C2	—12 Packets Size No. 2 in Carton, Wt. 7 Oz.	**$.80**
No. A1	—24 Packets Size No. 1 in Carton, Wt. 10 Oz.	**$1.60**
No. A2	—24 Packets Size No. 2 in Carton, Wt. 13 Oz.	**$1.60**

In lots of one gross packets, asstd. cartons, $9 00 per gross packets.

PUSH-LESS HANGERS

"The Hanger with the Twist"

Brass Plated Steel Hooks with Tool Tempered Steel Nails.

No. 24 Small Holds 10 Pounds (10 in Packet)	No. 25 Medium Holds 20 Pounds (6 in Packet)	No. 27 Large Holds 50 Pounds (3 in Packet)	No. 28 Very Large Holds 100 Pounds (2 in Packet)

Per Carton

No. C24—12 Packets Size No. 24 in Carton, Wt. 5 Oz.		**$.80**
No. C25—12 Packets Size No. 25 in Carton, Wt. 7 Oz.		**.80**
No. C27—12 Packets Size No. 27 in Carton, Wt. 12 Oz.		**.80**
No. C28—12 Packets Size No. 28 in Carton, Wt. 14 Oz.		**.80**
No. A24—24 Packets Size No. 24 in Carton, Wt. 9 Oz.		**1.60**
No. A25—24 Packets Size No. 25 in Carton, Wt. 11 Oz.		**1.60**
No. A27—24 Packets Size No. 27 in Carton, Wt. 23 Oz.		**1.60**
No. A28—24 Packets Size No. 28 in Carton, Wt. 31 Oz.		**1.60**

In lots of one gross packets, asstd. cartons, $9.00 per gross packets.

SOLID BRASS NUMBERED TACKS

Made in Solid Brass and Furnished with Any Numeral Desired Either All the Same, Consecutively or Otherwise.

Per 1000

No. 66-2 —Two Numerals	**$10.00**
No. 66-3—Three Numerals	**20.00**

THUMBTACKS

⅜"

7/16"

½"

⅝"

NICKELED STEEL ON 5c BLOCKS

Per Dozen Blocks

No. A51—⅜ In., 12 on Block		**35c**
No. A52—7/16 In., 10 on Block		**35c**
No. A53—½ In., 8 on Block		**35c**
No. A54—⅝ In., 6 on Block		**35c**

One dozen blocks in carton.

IN BULK

Per 1000

No. 51—⅜ In.		**$1.00**
No. 52—7/16 In.		**1.07**
No. 53 ½ In		**1.20**
No. 54 ⅝ In.		**1.67**

100 in a box; 10 boxes in a carton.

WHITE ENAMELED ON 10c BLOCKS

Per Dozen Blocks

No. A61—⅜ In., 12 on Block		**70c**
No. A62—7/16 In., 10 on Block		**70c**
No. A63—½ In., 8 on Block		**70c**

One dozen blocks in carton.

IN BULK

Per Carton

No. 62—7/16 In.		**$6.00**

36 tacks in a paper box, 3 dozen boxes in carton.

BRASS ON 10c BLOCKS

Per Dozen Blocks

No. A31—⅜ In., 12 on Block		**70c**
No. A32—½ In., 10 on Block		**70c**
No. A33—⅝ In., 8 on Block		**70c**

One dozen blocks in carton.

IN BULK

Per 1000

No. 31—⅜ In.		**$1.53**
No. 32—½ In.		**1.87**
No. 33—⅝ In.		**2.67**

100 in a box; 10 boxes in a carton.

⅜"

7/16"

½"

ONE PIECE (CUT-OUT) STEEL Sharp Point

IN BULK

Per 1000

No. 41—⅜ In.		**84c**
No. 42—7/16 In.		**90c**
No. 43 -½ In.		**96c**

100 in a box; 10 boxes in a carton.

THUMBTACK COUNTER ASSORTMENTS

Red, White and Blue Enamel Colored Thumb Tacks, Finest Grade Tack Colored with Best Quality Enamel. A Good Assortment for Stationery or Hardware Counters. Used to Fasten Pantry Papers, Splash Cloths or Table Oilcloth in Kitchens or for Fastening Covers to Card Tablet.

12 Blocks Each Color, ⅝ Inch, 12 Tacks to Block.

Size of Display 8¾ x 4½ x 2¾; Weight 2 Lbs.

Per Asst.

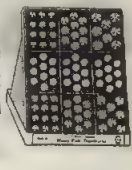
No. EE—36-10c Blocks in Carton **$2.10**

Brass Thumb Tacks with Sharp Points Firmly Embedded in Flat, Solid Brass Heads, Lacquered to Prevent Tarnishing. 12 Blocks Each of the Following:

⅝ Inch, 12 Tacks to Block
½ Inch, 10 Tacks to Block
⅜ Inch, 8 Tacks to Block

Per Asst.

No. EB—36-10c Blocks in Cartons **$2.10**



Easel Counter Display, Size 8¾ x 6¾ x 1¾ Ins. Weighing 1 lb., and Consisting of the Following:

2 Blocks Each ⅝ ½ and ⅜ Inch (Brass).
2 Blocks Each 7/16 Inch Red, White and Blue (Enamel Colored).
2 Blocks Each ⅝ 7/16 and ½ Inch Nickeled Steel).

Per Asst.

No. K4—12—10c and 6—5c Blocks in Assortment **60c**

This Assortment Consists of One-Piece (Cut-out) Steel Tacks in Handy Metal Boxes to Retail at 10c Each. Tacks are Good Quality, Nickel Plated, with Sharp, Strong Points. Popular with Schools or Wherever a Cheap Thumbtack is Required.

Per Carton

No. 041—⅜ Inch, Approx. 36 Tacks in Box		**$2.15**
No. 042—7/16 Inch, Approx. 30 Tacks in Box		**2.15**
No. 043—½ Inch, Approx. 24 Tacks in Box		**2.15**

Three dozen boxes in a carton

REES AUTOMOBILE JACKS

Heavy Truck

The Rees Double Worm Gear Drive Jack Especially Designed and Constructed for Automobile Truck Service, is here Illustrated This Jack Is Extremely Light in Height for its Lifting Capacity, is Operated with Utmost Ease and Lifesaving and is Equipped with a Foot Lift that Renders it Handy in Many Appearance Otherwise Difficult. In Fact, it is a Lighter Edition of our Now Famous Tractor Model as Supplied to the United States Ordnance Department for the Tanks and Tractor Service of our Armies at Home and Abroad.

No.	Cap. Tons	Ht. Ins.	Lift Ins.	Wt. Lbs.	Each Less than 6	Each 6 or More
2A	5	10¾	6	22	$9.38	$8.34
3A	6	12¼	8	27	12.38	11.00

Six in a Package.

Passenger Car

This Jack is a Strong, Yet Light, Compact and Easily Operated Model Particularly Adapted to Passenger Car Service The Four Foot Handle Obviates the Unpleasantness of Stooping and Permits Convenient Operation from a Standing Position

This Extension Handle is Especially Serviceable for Unfavorable Weather Conditions. Is Recognized as Greatest Power with Least Effort. Has no Back Kick and is Secure at Any Height

No.	Cap. Tons	Ht. Ins.	Lift Ins.	Wt Lbs.	Each Less than 6	Each 6 or More
1C	2	10	6	13	$6.38	$5.67

With Cap Raised, 11¼ Inches.

Six in a Package.

Light Car

The Jack deLuxe with the Rees Double Worm Gear Drive of Four Working Parts, Easily Placed and Operated from Any Angle in a Standing Position, with 4-Foot Folding Handle and Universal Joint Powerful, Safe, Convenient, Cap May be Used in Either a Raised or Lowered Position Giving Two Distinct Heights.

No.	Cap Tons	Ht. Ins.	Lift Ins.	Wt. Lbs.	Each Less than 6	Each 6 or More
6	1	9¾	6	9½	$4.13	$3.67

Twelve in a Package.

REES AUTOMOBILE JACKS

Balloon

This Model is Designed to Satisfactorily Handle Any Passenger Car, Including Cars Equipped with Balloon Tires. It Will Go Under Any Axle which is Not Less than Six and One-Half Inches from the Ground with Tire Deflated and Raise it to a Height of Fifteen Inches in One Contanuous Lift The Two Upper Sections of the Jack Rise at the Same Time. It is a Worm Drive Jack Operated by a Long Folding Handle Connected to the Jack with a Universal Joint Permitting it to be Easily Operated Without Crawling Under the Car. Well Made Throughout of the Best Materials, it will Stand Hard Usage and Give Long Service It is Raised by Turning the Handle Forward and Lowered by Reversing Action Without Touching the Jack.

No.	Cap. Tons	Height Ins.	Lwrd. Rsd.	Wt. Lbs.	Each Less than 6	Each 6 or More
102	2	6¾	15	9¾	$5.26	$4.27

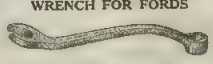
Red Devil Dolly Jack

Indestructible, Crucible Steel, Roller Bearing, Range of Adjustment from 8½ to 16½ Inches. 4 Inches Lift. Capacity 3000 Pounds For Unloading in Showroom, Warehouse, in Repair and Service Shops, on the Wash Rack, Putting on Chains, Changing Tires

Each

No. **00** Shipping Wt. 125 Lbs **$30.00**

WRENCH FOR FORDS



Drop Forging Made from Steel. For Nuts with Hexagon Heads. Fits Accurately Cylinder Head Bolts and Spark Plugs of Fords.

No. **550**—For 1923 Ford...	1 to 24.....	23c
	25 to 49.....	22c
	50 to 100.....	21c
	100 or More...	20c

AUTO NUMBER PLATE FRAME AND HOLDER

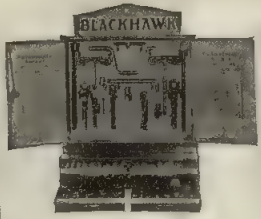
Utilico

Made of High Grade Solid Nickel Silver, Polished. Will Not Rust—No Plating to Wear Off. It is Adjustable to Fit All Sizes of Number Plates. No Holes to Bore—No Bolts or Screws to Show. Completes the Appearance of Any Car. Big Seller.

Per Pair

No. **300**—Retails $3.00 Per Pair. **$1.80**

BLACKHAWK STOCK CABINET No. 1



An Assortment of Blackhawk Wrenches and Wrench Parts Prepared for the Hardware and Accessory Store Steel Cabinet, Size 28 Ins. High, 25¼ Inches Wide, 11¾ Inches Deep, Lithographed in Four Colors. Drawers Divided into Compartments for Different Size Sockets. Contains Wrenches Used by Garages, Service Stations, Manufacturers and Farmers.

Stock Cabinet Contains:

Hex. Sockets

	Each
5 No 14—10, No 18 10, No 18—8, No 19—10, No 22—5, No 22	$ .30
10 No 24—5, No 25 5, No 27—5, No 28, 5	.40
5 No 30—5, No 31 5, No 32	.50
3 No 34 3 No 36 3 No 40	.65
2 No 36X 2 No 40X	.70
2 No 44X 2, No 46X 2, No 48X	.80
2 No 50X	1 00
2 No 52X	1.20

Square Sockets

3 No 014	.30
3 No 016—5 No 018	.35
3 No 019 3, No 020—2, No 022	.40
2 No 024—2, No 026	.50
2 No 028	.60
2 No 034	.70
2 No 041	.80

Wrenches

	Each
3 ea T16 T18 T20	1.50
2 ea T22 T24 T28	1.75
3 T2	1.85
2 ea T9 T9X T1	.50
3 T2	.50
1 ea T4—T5	.60
4 No 110	.70
1 No 310	.75
1 No 3310	1.00
4 No 500	1.20
4 No 610	1.05
2 No 914X	2.75
2 No T3	2.25
4 No T8	.65
4 No T8	.70
4 No T-0	.75
2 No T4X	1.50
2 No T8X	1.00
2 No T17X	1.10

Per Assortment

No. **1**—Cabinets and Wrenches Complete..... **$89.46**

Weight Cabinet and Wrenches Complete about 209 Lbs.

BLACKHAWK WATER PUMPS FOR FORDS

"Chief"

Voluto Shaped Case and Semi-enclosed Four Blade Impeller, Embodying the Turbine Type of Pump Principle Two Bronze Bearings Positive Grease Lubrication Heavy Cold Rolled Steel Shaft, Grey Iron Castings Special Horn Bracket and Gates, Cord Fan Belt with Each Pump. Will not Interfere with Thermo Sython System.

	Each
No. C.....	Single Lots.... $5.00
	12 or More 4.50

One in a Carton, Half Dozen in a Case Weight Each 8¾ Lbs

"Scout"

Highly Efficient Bronze, Curved Blade Impeller, Large Bronze Bearing and Positive Grease Lubrication at Belt End Flanges, Steel Pulley Outboard and Inboard Bearings in One Casting. Complete with Belt and Horn Bracket.

	Each
No. S.....	In Single Lots.. $3.34
	12 or More.... 3.00

One in a Carton, Half Dozen in a Case; Weight Each 7½ Lbs.

"LANE" AUTOMOBILE JACK

A Geared Screw Jack to Handle All Pleasure Cars, Balloon Tire Equipped or Not, Very Strong with Direct Lift. Quickly Placed—Easily Operated.

Made of Malleable Iron and Steel. Black Japan Finish with Red Spotted Head. Height 7¼ Ins. Lift 10½ Ins. Base Area 15 Sq. Ins. Length of Handle Extended 38 Inches.

	Each
No. **1L**—For Light and Medium Weight Cars.....	1 to 5.... $5.63
	6 or More 5.00

Weight each 10½ lbs.

DASH LAMPS

"Here's Your Chance to Buy Freely of Several Numbers of at Very Special Prices"

Each

No. 855—The Modern Dash Lamp for Ford Cars. New Type Reflector with Two Holes in Correct Position to Concentrate Light on Ammeter, Lock Switch, and Pedals to Left, Also Speedometer to Right. Heavy Brass, Heavily Nickel Plated and Hand Polished. Length from Dash to Bulb Center, 2 Inches. Weight, 3 Ounces. Complete with 6 to 8 Volt, 2 C. P. Single Contact Bulb and Wire as Illustrated ...40c

One Dozen Lots
One Only in Carton.

Each

No. 805—A Flush Back Lamp Designed Especially for Those Who Wish to Bore Only a Small Hole in the Dash. Wire Connections are Entirely Inside of the Lamp and Nothing Projects Beyond the Base and Flange Except the Wires. A Strong, Well Finished Lamp in Polished Nickel and Containing a Durable Switch. Length from Dash to Center of Bulb 2½ Inches. Weight, 2½ Ounces. Complete with 6 to 8 Volt, 2 C. P. Bulb.....38c Each

No. 825—Designed for All Metal or Metal Covered Wood Dash. Furnished Complete with Wire for Attaching. 6-8 Volt, 2 C. P. Bulb. Length from Dash to Bulb Center, 2 Inches. Made in Single Contact. Only.....42c

One Only in Carton.

UNIVERSAL BATTERY CLIPS

A Quick and Ready Means of Connecting Storage Batteries for Charging. Will Charge All Batteries Without Disconnecting Them or Removing Them from Car. Fitted with Copper Shunts to Keep Current from Flowing Through the Spring. Lead Coated to Resist Acid Fumes. ¾ In. Wide, 3¼ Ins. Long.

Each

No. 21A—35 Amp. 1¾ In. Spread of Jaw 12½c

Ten in a Carton, Weighing About 22 Oz. One Hundred in a Case.

WINDSHIELD CLEANERS

SIMPLEX

The Wiping Arm is Constructed of the Best Quality Spring Steel, Assuring Liberal Tension at all Times. The Rubber is of Extra Width and Thickness to Assure Lasting Even Pressure Its Entire Width. The Handle is Highly Polished, Nickel-plated Bronze and Stands Well Away From the Glass, Making it Easy to Operate. Easily Installed on Any Car Regardless of Make or Model, Either Over the Top of the Windshield, Through the Frame or Through the Glass. All Fittings Necessary for Any of These Installations are Packed With Each Cleaner.

No. Simplex	Each
24 to 49	**$.40**
50 or over	**.38**
144 and over	**.35**

One in a box; 144 in a case.

STEERING WHEELS

FOR FORD CARS

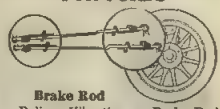
High Quality Steering Wheels, with Malleable Spider, Finished in Black Enamel; Seventeen Inches in Diameter Which Insure Much Increased Steering Leverage.

NON-TILTING

	Each
No. 326—Polished Nickel Plated Spider, Solid Walnut	**$1.65**

ANTI RATTLERS

FOR FORDS



Brake Rod

Relieve Vibration on Brake Rod and Stop Noise.

No. 2—Retails 50c Per Set..	Per Set of 4..	$ .18
	Per Doz. Sets	1.80
	Per Box.....	2.65

18 Sets in counter display box.

Stops Rattling in Gas and Spark Levers and Steering Column.

No. 4—Retails 50c Per Pr..	Per Pair.	$ .25
	Per Dos. Prs.	3.00
	Per Box.....	4.50

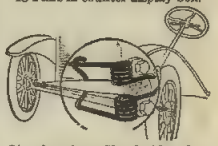
18 Pairs in counter display box.

Tie Rod

Easily Applied. Saves Bushings. Stops Rattling.

No. 1—Retails 50c Per Pr.	Per Pair.....	$ .18
	Per Dos. Prs.	1.80
	Per Box ...	2.65

18 Pairs in counter display box.



Steering Arm Shock Absorber

Takes Vibration and Road Shock Off Steering Wheel.

No. 3—Retails 50c Each...	Per Dos.....	$1.80
	Per Box	2.65

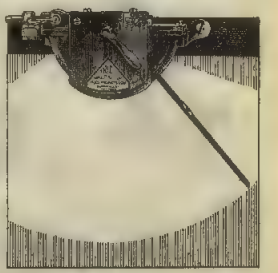
18 only in counter display box.

Trico Automatic Windshield Cleaners

Attachment is Made by Drilling the Frame of the Windshield and Requires no Extraordinary Mechanical Skill. No Oiling Required. Ample Length of Connecting Hose Makes the Cleaner Standard for Every Make of Gasoline Motor Driven Car.

Suction Operated Motor Connected with Intake Manifold. Uniform Speed Control Through the Compensating Valve, Automatically Controlled. No Hand Control of Speed Can Parallel the Automatic Feature of this Valve. The Device is Fully Guaranteed to Function During the Life of the Car. Perfect in Operation, All Parts Located Outside the Case, Easily Accessible.

		Each
No. TAU—Universal Model Oxidized Finish. Retails $5.00	1 to 11	**$3.50**
	12 to 24	**3.25**
	25 or More	**3.00**
No. TAF—Full Automatic Model. Black Finish. Retails $7.50	1 to 11	**5.00**
	12 or More	**4.75**
No. TAS—Sport Model. Red Finish. Retails $7.50	1 to 11	**5.00**
	12 or More	**4.75**



ANVILS

GUARANTEE

Should a Belknap's Wrought Anvil break at the waist or its steel face become loose within one year from date of purchase it will be replaced without charge.

CAUTION

This anvil is tempered in a manner to suit the majority of smiths. No claim for defective temper will be allowed. To remedy the trouble caused by the unfair advantage taken of the liberal guarantee heretofore made by the manufacturers of wrought anvils, they have decided to qualify the guarantee as above, and all anvils are now sold with no guarantee other than as above.

BELKNAP'S WROUGHT

Shoer's.

Made especially for us under our own brand. They are warranted equal to the very best English wrought anvils.

No.	100 Lbs	Wt lbs	Face, ins	Horn, ins	Hardy, ins	Pritchel, ins
1150	$64 50	150	3¾x16½	12	⅞	⅝

Hardy holes indicate size tool hole will take.
Above dimensions are approximate only.
Packed loose.

BELKNAP'S WROUGHT

Blacksmiths'.

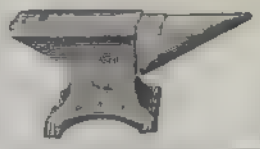
Made especially for us under our own brand. They are warranted equal to the very best English wrought anvils.

Nos	Per 100 Lbs	Wt each lbs	Face ins	Horn ins	Hardy ins	Pritchel ins
70	$57 00	70 to 79	3½x12½	7½	⅞	⅝
80	55 50	80 to 89	3⅝x13	8½	⅞	⅝
90	55 50	90 to 99	3¾x13½	9	⅞	⅝
100	55 50	100 to 109	3¾x14	9	⅞	⅝
110	55 50	110 to 119	3¾x14½	9	1	⅝
120	55 50	120 to 129	3¾x15	10	1	⅝
130	55 50	130 to 139	4x15½	10	1⅛	⅝
140	55 50	140 to 149	4x16	10	1⅛	⅝
150	55 50	150 to 169	4x16½	10½	1¼	⅝
170	55 50	170	4¼x17	10½	1⅜	¾
180	55 50	180	4¼x17½	11	1⅜	11/16
200	55 50	200	4½x18	11½	1⅜	11/16
225	55 50	225	4¾x19	11½	1⅜	11/16
250	55 50	250	5x20	12½	1¼	11/16

Packed loose.

ANVILS

VULCAN



Blacksmith's

Solid cast iron body and horn.
Japanned finish, with hardened and tempered steel face welded on, flat ground and polished square hardy hole.

Nos	Each	Wt lbs	Face ins	Horn, ins	Hardy, ins	Pritchel, ins
51	$20 25	50	3x8½	6	½	⅜
61	21 75	60	3¼x10¾	7¼	⅝	7/16
71	24 75	70	3¼x11	7⅝	¾	7/16
81	27 00	80	3¼x11 1/16	7⅝	¾	7/16
91	30 75	90	3⅜x12	7¾	⅞	½
101	33 75	100	3½x12	7⅝	⅞	½
121	40 50	120	3¾x12 5/16	7¾	1	9/16

Packed loose.

GEM

Per 100 Lbs

No. 105—Cast iron, oiled, wt from 100 to 105 lbs; size face 3¾x11¾ ins, length horn 7 ins; 1 in. hardy hole; ½ in. pritchel hole.....**$20 25**

Packed loose.

SWAGE BLOCKS

Solid cast iron, rough finish with various shaped serrations on edges and perforations as illustrated.

Per 100 Lbs

No. 2—Size 10½ ins square, 4 ins thick; wt each 83 lbs.....**$21 75**

No. 3—Size 14 ins square, 5 ins thick; wt each 170 lbs.....**21 75**

ANVIL TOOLS

TOP SWAGES

Round shoulder, oval eye.
Cast steel, oil finish, hardened polished bits.

Nos.	Each	For Round Iron, ins	Lgth ins	Wt lbs
3-	$2 70	½	4¼	2
3-⅜	2 70	⅜	4¼	2
3-½	2 70	½	4¼	2
3-⅝	2 70	⅝	4¼	2
3-¾	2 85	¾	4½	2¾
3-⅞	3 30	⅞	4½	2¾
3-1	3 30	1	4½	2¾
3-1¼	3 60	1¼	4¾	3
3-1½	4 05	1½	5	4

Packed loose.

BOTTOM SWAGES

Square shoulder and shank.
Cast steel, oil finish, hardened polished bits.

Nos.	Each	For Round Iron, ins	Lgth ins	Wt lbs
4-	$2 70	¼	3½	2
4-⅜	2 70	⅜	3½	2
4-½	2 70	½	3½	2
4-⅝	2 70	⅝	3½	2
4-¾	2 85	¾	3½	2½
4-⅞	3 30	⅞	3½	2¾
4-1	3 30	1	3¾	2¾
4-1¼	3 60	1¼	3¾	3¾
4-1½	4 05	1½	3¾	4

Packed loose.

ANVIL TOOLS

TOP FULLERS

Round shoulder, oval eye.
Cast steel, oil finish, hardened polished bits.

Nos.	Each	For Iron ins	Lgth ins	Wt lbs
5-3/8	$2 55	3/8	5	2
5-1/2	2 70	1/2	5	2 1/4
5-5/8	2 70	5/8	5	2 1/2
5-3/4	3 00	3/4	5 1/4	2 1/2
5-7/8	3 00	7/8	5 1/2	3
5-1	3 00	1	5 1/2	3

Packed loose.

BOTTOM FULLERS

Square shoulder and 1 inch square shank.
Cast steel, oil finish, hardened polished bits.

Nos.	Each	For Iron, in	Lgth ins	Wt lbs
6-3/8	$2 55	3/8	5 1/2	2 1/2
6-1/2	2 55	1/2	5 1/2	2 1/2
6-5/8	2 70	5/8	5 1/2	2 3/4
6-3/4	2 70	3/4	5 1/4	2 7/8
6-7/8	3 00	7/8	5	2 7/8
6-1	3 00	1	5	3

Packed loose.

HARDIES

Square shank.
Cast steel, oil finish, hardened polished bits.

Nos.	Each	Size Shank, ins	Lgth Bit ins	Lgth over all, ins	Wt ea, lbs
1-1/2	$1 08	1/2	1 1/8	4	1 1/2
1-5/8	1 23	5/8	1 1/2	5	2 1/4
1-3/4	1 38	3/4	1 3/4	5	2 1/8
1-7/8	1 65	7/8	2	5 1/2	1 1/4
1-1	1 89	1	2	5 1/2	1 3/8
1-1 1/8	2 07	1 1/8	2 1/4	6	2
1-1 1/4	2 52	1 1/4	2 1/2	6	2 1/2

Packed loose.

FLATTER

Square face, oval eye.
Cast steel, oil finish, hardened polished bits.

Nos.	Each	Size Face, ins	Lgth ins	Wt each, lbs
2-2	$2 85	2	4	2
2-2 1/2	3 60	2 1/2	4 1/2	2 1/2
2-3	4 65	3	5	4 1/4
2-3 1/2	6 45	3 1/2	5 3/4	6 3/4

Packed loose.

SET HAMMERS

Square face and head; oval eye.
Cast steel, oil finish, hardened polished bits.

Nos.	7-1	7-1 1/4	7-1 1/2	7-1 3/4
Size face, ins	1	1 1/4	1 1/2	1 3/4
Length, ins	4	4 1/2	5	5 1/4
Wt each, lbs	1	1 1/2	3	3 1/2
Each	$1 95	2 40	2 85	3 60

Packed loose.

HOT CHISELS

Cast steel, oil finish, hardened polished bits.

Nos.	9-1 1/4	9-1 1/2
Width bit, ins	1 1/4	1 1/2
Length, ins	6 1/2	7 3/4
Wt each, lbs	2	3
Each	$2 01	2 85

Packed loose.

ANVIL TOOLS

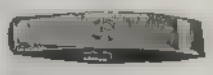
ROUND PUNCHES

Cast steel, oil finish, hardened polished bits.

Nos.	8-1/4	8-5/16	8-1/2	8-5/8	8-3/4
Diam point, ins	1/4	5/16	1/2	5/8	3/4
Length, ins	6 3/4	7	7	7 1/2	7 1/2
Wt each, lbs	1 3/4	1 3/4	2	2	2
Each	$2 10	2 10	2 10	2 55	2 70

Packed loose.

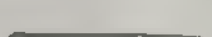
COLD CHISELS



Cast steel, oil finish, hardened polished bits.

Nos.	10-1 1/4	10-1 1/2
Width bit, ins	1 1/4	1 1/2
Length, ins	5 3/4	6
Wt each, lbs	2	3
Each	$2 10	2 91

Packed loose.



PRITCHELS—Horseshoers; octagon steel, oil finish. Cast steel, oil finish, hardened polished bits. Per Doz

No. 1420—5/8 in; length 10 ins; wt per doz 10 lbs.... $13 50

One doz in cardboard box.

TONGS

BLACKSMITHS'

Common or Straight Lip. Wrought steel, drop forged, oil finish.

Nos.	90	91	92	93
Length, ins	18	20	22	24
Wt per doz, lbs	32	35 1/2	36 1/2	39
Per Doz	$24 00	25 50	27 00	28 50

Packed loose.

Curved Lip. Wrought steel, drop forged, oil finish.

Nos.	30	31	32	33
Length, ins	18	20	22	24
Wt per doz, lbs	30	32 1/2	35 1/2	39
Holds round iron, ins	1/4 to 5/16	5/16 to 1/2	5/8 to 3/4	7/8 to 1 1/4
Per Doz	$28 50	30 00	34 50	36 00

Packed loose.

Single Pick-up. Wrought steel, drop forged, oil finish.

No.	9
Length, ins	20
Wt per doz, lbs	34
Per Dozen	$34 50

Packed loose.

Double Pick-up. Wrought steel, drop forged, oil finish.

Per Doz

No. 20—Length 22 ins $36 00

Packed loose; wt per doz 35 1/2 lbs.

HORSESHOERS'

Solid steel, iron finish.

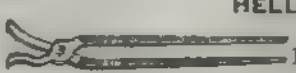
Per Doz

No. 0—Length 12 ins; wt each 1 1/4 lbs. $20 25

No. 00—Length 14 ins; wt each 1 1/2 lbs. 20 25

Packed loose.

HELLER BROS.



Clinching. Crucible cast steel. Polished toothed jaws.

Per Doz

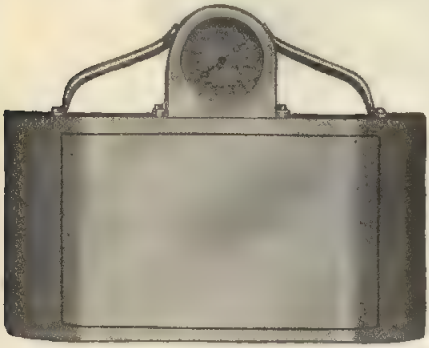
No. 28—Length 14 ins; length jaws 2 1/4 and 2 5/8 ins.... $75 00

Half doz in cardboard box; wt per doz 24 lbs.

The Black & Decker "Drive-on" Loadometer

A portable weighing instrument designed primarily for use by State, County and City officials for conveniently weighing trucks which are suspected of overload.

A Loadometer weighs only 40 pounds, and owing to their portability a suspected truck may be weighed wherever found. This saves the inspectors time and avoids the resentment often provoked by causing the suspect to drive to the nearest permanent scale.



The Loadometer is constructed in conformity with the best accepted principles of scale design. Accurate readings are very readily made from large dials graduated in pounds.

The "Drive-on" Loadometer is constructed of special aluminum alloy, heat-treated, giving a maximum of strength yet reducing the weight to a minimum. The "Drive-on" Loadometer is easily portable, weighing only forty pounds, and is supplied with conveniently located handles for ease in carrying and placing in position on the road. Complete outfit consists of two machines as described above, no extras being required.

The Black & Decker "Drive-On" Loadometers will repay their original cost in a very short time and will result in the saving of thousands of dollars in road repairs.

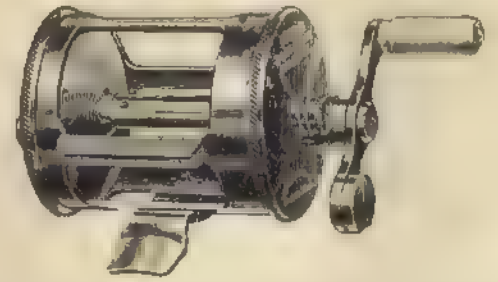
Price, each $200.00

Showing Truck on Loadometers

Indicating the ease with which the weight of load is ascertained

FISHING REELS

BLUE GRASS SIMPLEX



Nickel silver and brass; nickel plated, one piece hard drawn brass rod gear; Stub's steel pinion cut on rod running through spool, thus making pivots and pinion one solid piece; pivots tempered, ground and polished; has scrolled aluminum thumb rest, oil tempered steel, back sliding click drag.

No. 33—Simplex; capacity 120 yards, No. 5 Kingfisher line; diameter of spool 1⅝ in., length of spool 1⅜ inches; weight each about 9 ounces.....Each **$25 00**

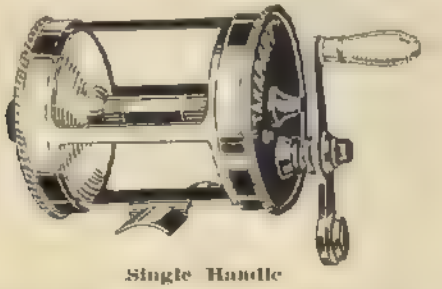
TAKAPART

Construction

The simplicity of the construction of this reel makes it a leader. All you need is your hands

You simply unscrew the ring at either end. No screws to bother with.

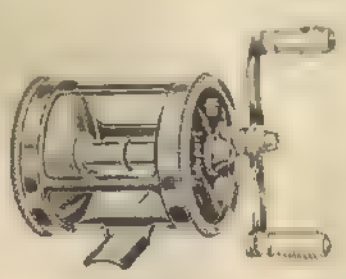
Nickel plated brass frame and reel seat; satin finish ends, nickel silver spool, steel pivots and pinions, bronze bearings, steel spring and steel ratchet wheel, white ivory balance handle, adjustable click



Single Handle

No. 480—Single handle; spool 1 1/16 inches wide; 1¾ inch diameter; capacity 100 yards; weight each about 11 ounces .....Each **$12.00**

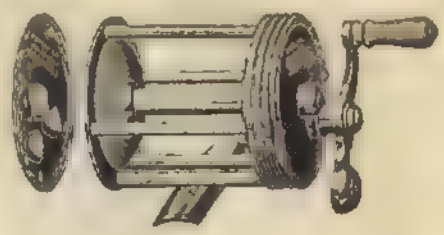
No. 481—Single handle, same as No. 480, but with free spool .....Each **$13.00**



Double Handle

No. 482—Double handle; spool 1 1/16 inches wide; 1¾ inch diameter; capacity 100 yards, weight each about 11 ounces .....Each **$20.00**

QUADRUPLE MULTIPLYING

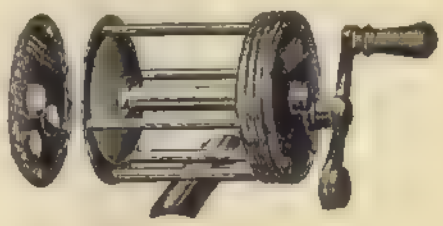


Regal

Adjustable tension oil cup for end play of spool, front plate with pinion cover for bearing, back plate bushed for bearing, end bearing steel pivots, scarlet agate jewels, adjustable back sliding click and drag, steel pinion, balanced crank, white celluloid handle.

No. 223—Silverine ,without jewels; 1⅞ inch pillar; 2 inch plate; capacity 60 yards; weight per dozen about 7½ pounds .....Per Dozen **$60.00**

One in a box

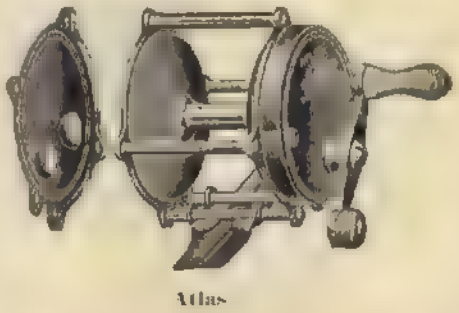


Elinor

Adjustable tension oil cup for end play of spool; front plate with pinion cover for bearing, back plate bushed for bearing, end bearing steel pivots; adjustable back sliding click and drag, steel pinion, balanced crank, white celluloid handle.

No. 923—Polished nickel; 1⅞ inch pillar; 2 inch plate; capacity 60 yards, weight per dozen about 7½ pounds .....Per Dozen **$72 00**

DOUBLE MULTIPLYING



Atlas

Polished, nickel plated; raised pillars; adjustable back sliding click and drag; balanced crank; white celluloid handle

No. 163—Polished nickel, 1⅞ inch pillar; 2 inch plate; capacity 60 yards, weight per dozen about 7 pounds .....Per Dozen **$20.00**

Quality First—Matchless Variety—Prompt Accurate Deliveries. Your Mail Orders receive these considerations from us.

FISHING LINES

BRAIDED SILK

Extra Strength, Waterproof

A hard braided line embodying strength and durability. Black color only

Nos.	H	G	F	E
Test, lbs.	14	18	23	28
Per 100 Yards	$6 00	7 20	8.40	10.40

25 yards on a card, 4 connected in a box.

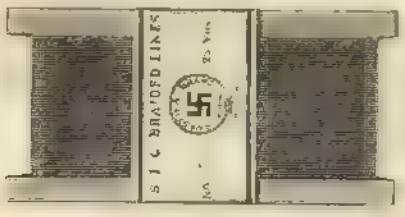
BRAIDED SILK CASTING NARRAGANSETT

A cross check, black and white pattern A line within a line having a braided core A high grade line made for service

Nos.	3	2	1
Test, lbs.	20	25	32
Per 100 Yards	$8.00	10.00	12.00

50 yards on a spool, 2 connected in a box.

BRAIDED LINEN



Good Quality Linen Yarn, Natural Color

Nos.	2	3	4	5
Per Dozen	$10.50	10.00	12.00	11.00

25 yard blocks, 4 connected, 500 yards in a box.

"BEST BASS" LINEN

Finest quality hand laid Irish flax, dark green color, put up on shellaced spool.

Nos.	9	12	15
Per Dozen	$12 00	13 50	15 00

50 yard spools, 2 connected, sixth dozen in a box.

ORIGINAL CUTTYHUNK LINEN, BASS

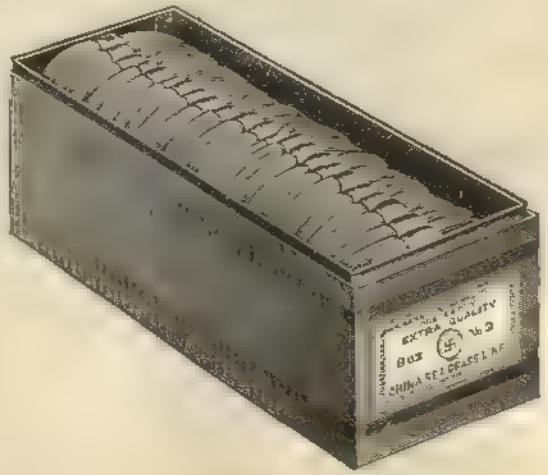
Highest Quality

Hand laid, best Irish flax; adapted for tarpon and tuna fishing; natural or dark green colors.

Nos.	9	12	15	18
Test, lbs.	18	24	30	36
Per Dozen	$15.00	16.50	18 00	21.00

50 yards on a spool, 2 connected in a box

CHINA SEA GRASS



8 Ounce, Extra Quality

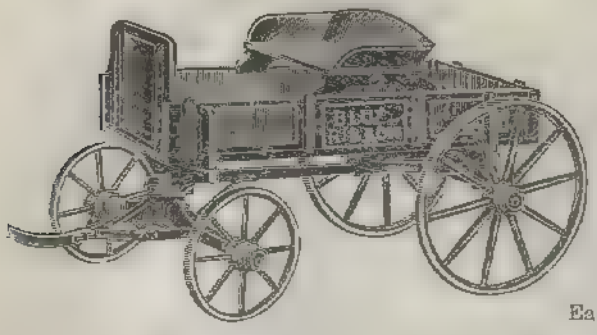
Best hand laid, for light game fishing.

Nos.	1	2
Feet in Coil	36	32
Per Gross	$36.00	30 00

Six coils connected, one gross in a box.

D 7

JUNIOR FARM WAGONS
—BLUE RIBBON—

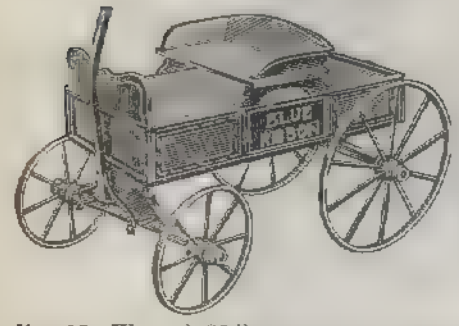


Each

No. 53—Body 15x32 ins; with seat and dash board. Body painted green and gearing red; wheels have welded tires and staggered spokes; size front wheels 10 ins; rear wheels 16 ins $21 75

One in crate, K. D; wt each 43 lbs.

PANEL WAGONS
—BLUE RIBBON—



Panel body, 15x30 ins.; body painted and ornamented, has dashboard and seat; malleable iron draw and circle plates; wheels have welded tires and hub caps; size front wheel, 12 ins; rear wheel 18 ins all parts painted and striped.

Each

No. 25—Wt each 32 lbs $17 25

One in crate, K. D

COASTER WAGONS
—BLUE GRASS—

Double Disc Wheels; Rubber Tires; Ball-Bearing.

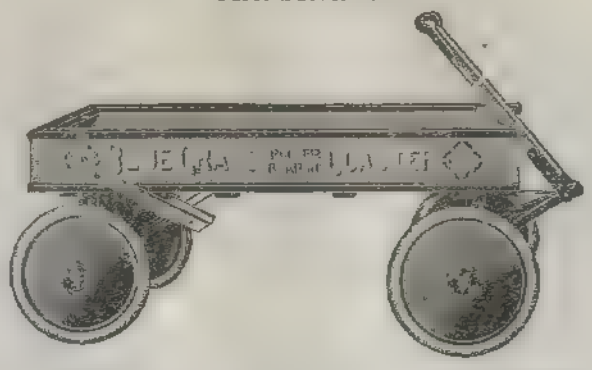
Hardwood body, with curved coaster front, varnished and decorated. Heavy stamped steel, ball-bearing disc wheels painted red, striped in gold and green; fitted with nickel plated hub caps and ¾ inch rubber tires. Gears securely braced to body with $^{7}/_{32}$x¾ inch round edge iron; $^{9}/_{16}$ inch round steel axles; hardwood loop grip handle. Fitted with coaster brake.

Nos.	824BG	825BG	826BG	827BG
Size body, ins	14x32	14x32	16x36	18x40
Diam wheels, ins	8	10	10	10
Wt per doz, lbs	360	408	432	480
Per Doz	$159 00	168 00	180 00	198 00

One-twelfth doz in carton, K. D.

COASTER WAGONS
—BLUE GRASS—

Steel Bolsters.



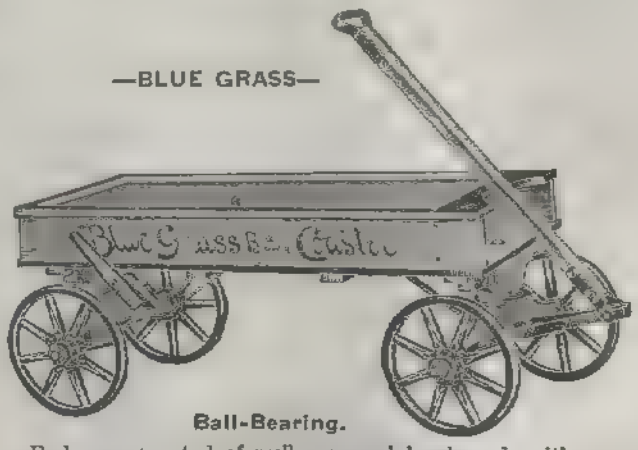
Double Disc Wheels; Rubber Tires; Roller Bearing.

Hardwood body, with curved coaster front, varnished and decorated. Heavy stamped steel, roller bearing disc wheels, red enameled, fitted with nickel plated hub caps. Bolsters of ⅞ inch channel steel reinforced with 1 inch steel braces; cold rolled steel axle. Fitted with coaster brake.

Nos.	340	342	343
Size body, ins	14x32	16x36	16x36
Diam wheels, ins	10	10	10
Width tires, ins	⅝	⅝	1
Wt per doz, lbs	390	420	444
Per Doz	$168 00	186 00	210 00

One-twelfth doz in carton, K. D.

—BLUE GRASS—



Ball-Bearing.

Body constructed of well seasoned hardwood, with curved coaster front. Extra heavy ball-bearing wheels, with iron hubs. Balls self-contained. Rims ¾x1½ inch bent rock elm. Spokes are mortised into felloe and heavy steel tires shrunk on and reinforced with four rivets through tires and felloes. Hubs cannot split or check. Eliminates shrinkage and loose tires. Gear of No. 1 selected stock, securely braced to body with $^{7}/_{32}$x¾ inch round edge iron. $^{9}/_{16}$ inch round steel axles. Steering gear extra heavy wrought iron and hardwood. Fitted with wood coaster brake. Loop grip hardwood handles. Body and gear varnished on the natural wood decorated in red and black. Wheels painted bright red.

Nos.	309BG	310BG	311BG	312BG
Size body, ins	13x28	14x32	16x36	18x40
Diam wheel, ins	8	10	10	10
Width tire, in	¾	¾	¾	¾
Doz in carton	$^{1}/_{6}$	$^{1}/_{12}$	$^{1}/_{12}$	$^{1}/_{2}$
Wt per doz, lbs	268	360	393	432
Per Doz	$138 00	174 00	195 00	219 00

Shipped K. D.

BOYS' FARM WAGONS

—BLUE GRASS—

Made Like a Farm Wagon.

Capable of withstanding great loads and long rough service. It will easily carry a load of 500 to 600 pounds over any ordinary street or road.

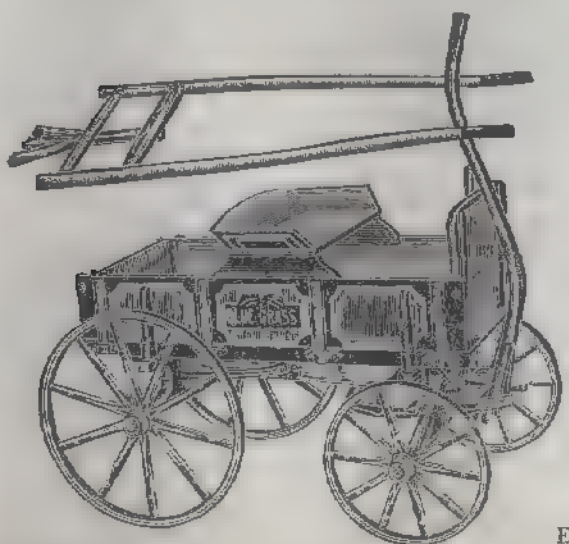
Hardwood frame, seat and dash board. Bent hound. Adjustable reach. All parts heavily braced and ironed. Sides and ends can be taken off, leaving bed with stakes; handsomely painted; body green and gear red; ornamented with scroll work. Wheels, with steel hub caps and bands, tires ⅛ inch steel, welded and swedged on with special tire setting machine; shaved spokes; all parts strongly ironed and braced; ⅝ inch round steel axles.

Regular Constructed.

Each

No. 58BG—With tongue only; body 18x36 ins; wheels 14 and 20 ins..... $25 20

One in carton K. D., wt each about 50 lbs



Each

No. 57BG—With tongue and shaft; body 18x36 ins; wheels 14 and 20 ins..... $27 75

One in carton K. D.; wt each about 55 lbs.

Per Pr

No. 57S—Extra Shafts for above Wagons..... $2 85

BOYS' FARM WAGONS

—BLUE GRASS—

Made Like a Farm Wagon.

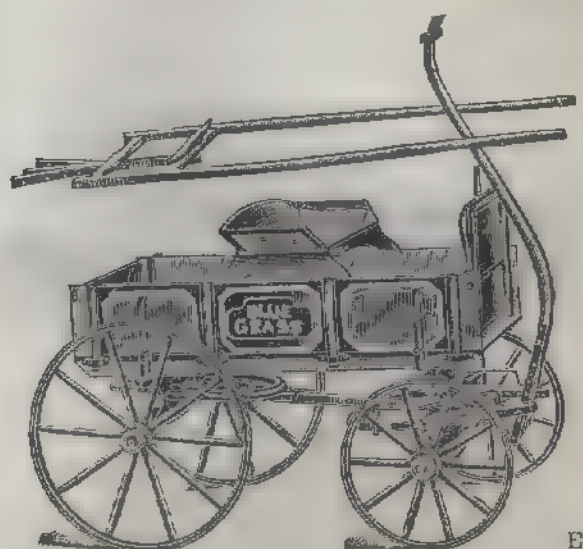
Entire wagon made of selected hardwood; construction of gear closely follows that of regular farm wagon, having bent hounds and adjustable reach; all parts heavily braced and ironed; sides and ends can be taken off, leaving bed with stakes. Wheels, with steel hub caps and bands; shaved spokes; tires are ⅛ inch steel welded and swedged on with special tire setting machine; ⅝ inch round steel axles, all parts strongly ironed and braced. Hound is reinforced with iron rod running parallel with hound, and at bottom is braced to axle at a point both at front and back of axle. Reach is also braced to axle. Body finished in dark green; gear finished in red; ornamented and striped.

Iron Reinforced.

Each

No. 56BG—With tongue only; body 18x40 ins; wheels 14 and 20 ins..... $30 75

One in carton; wt each about 51 lbs



Each

No. 55BG—With tongue and shaft; body 18x40 ins; wheels 14 and 20 ins..... $33 45

One in carton; wt each about 56 lbs.

Per Pr

No. 55S—Extra Shafts for above Wagons..... $2 85

BOYS' WAGONS

Sheet steel body, top edge flanged over heavy ¼ inch steel rod. Kiln dried bottoms. Inside finished in green, outside in red.

Wheels and Gears—Black baked enamel finish; cold rolled sheet steel hubs. The spoke is of high tensile strength, one wire making two spokes.

The tripod is strongly riveted to steel plate resting upon the fifth wheel connecting all parts with an eye bolt, through the lower end of which passes the axle, producing a perfectly rigid gear, preventing the axle from springing out of shape, and affording an easy revolving motion without loosening the eye bolt nut, as it is firmly screwed down to the collar of the fifth wheel.

Nos.	40	20	11	33	44
Length body, ins	18	22	26	30	32
Width body, ins	8	10	12	14	15
Depth body, ins	3	3½	4¾	6	5¼
Wheels, ins	6	8	10	11	11
Tires in	⅜	⅜	½	½	½
Wt doz, lbs	70	80	144	210	220
Per Doz	$33 75	43 50	63 00	76 50	87 00

(Sold in full carton lots only.)

No. 40 one-third doz, balance one-sixth doz in carton, K. D.

DAISY

Sheet steel body, inside finished in green, outside in red. Wheels and gears black japanned finish; ⅜ inch axle. The fifth wheel is the same style as on our Blue Ribbon Wagon except it is lighter. ¾ inch tires.

Per Doz

No. 019—Length 14 ins, width 7 ins; depth 2½ ins; diam wheels 5 ins; wt per doz 65 lbs.....$25 50

(Sold in full carton lots only).

Half doz in carton, K. D.

Sheet steel, securely put together by a process of electric welding.

Per Doz

No. 612—Finished in bright red; twisted wire handle; length 12 ins; width 6 ins; height 7¼ ins ¼ in wheels; wt per doz 28 lbs.....$15 75

(Sold in full carton lots only).

One doz in carton, K. D.

BOYS' WAGONS

Sheet steel body, red enameled sides are reinforced by heavy embossing disc steel wheels black enameled, wood tongue.

Per Doz

No. 615—Length body 15 ins; width 7½ ins; height over all 9 ins; diam front wheels 4½ ins; diam rear wheels 6 ins; wt per doz 50 lbs.....$24 00

TOY CARTS

Sheet steel, securely put together; electrically welded.

Per Doz

No. 26—Body enameled bright red; wheels green; wood handle; length 12 ins; width 6 ins; height 6¼ ins; wheels 6 ins; wt per doz 28 lbs..... $12 75

(Sold in full carton lots only.)

One doz in carton, K. D.

CHILDREN'S WHEELBARROWS

Sheet steel bed; painted red and decorated; varnished natural finish; hardwood handles, with black grips; strong wire wheels iron braced throughout.

Nos.	9	10	21	22
Length body, ins	11	18	16½	18½
Diam wheel, ins	6	8	12	14
Length handles, ins	26	30	40	44
Wt per doz, lbs	38	44	88	144
Per Doz	$24 00	30 00	39 00	45 00

(Sold in full carton lots only).

Half doz in crate, K. D.

Garden.

Sheet steel body well braced. Strong and substantial for real work.

Per Doz

No. 35—Finished in red, with green wheels; size body 10¼x15 ins; diam wheel 7 ins.....$22 50

(Sold in full carton lots only).

Half doz in carton, K. D.; wt per doz 46 lbs.

Concrete.

Per Doz

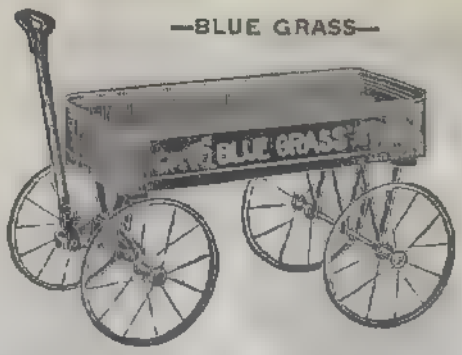
No. 18—Red enameled body; disc steel wheel, blue enameled; length over all 29 ins; size of body 11x13 ins; height 8 ins; diam wheel 6 ins; wt per doz 30 lbs..... $12 75

(Sold in full carton lots only).

One doz in carton, K. D.

BOYS' WAGONS

—BLUE GRASS—



Cotter pins with nickel caps are used on all Blue Grass Wagons, eliminating lost nuts and wheels from coming off. The wood bottoms are thicker than others and are double tongued and grooved, and glued together.

Reinforced Steel Hub.

This especially constructed hub is used on our Blue Grass Wagons Nos. 1 to 4 inclusive, also on our "Blue Grass Special". It is made with a large barrel around a small or inner barrel in which the axle works. Spokes are extra heavy making a strong, substantial wheel. The hub flange is bent down over each wire, forming a solid recess for the spokes to pull up against; spokes are then riveted to tire, which forms the strongest possible construction and makes hub and wheel absolutely rigid.

Strong Fifth Wheel.

The pull is evenly divided between axle and body; this with the additional advantage of a simple and rigid fifth wheel, allows no strain on axle to pull bolster out of shape. The fifth wheel has an extra plate which gives additional wear and strength.

Entire gear, bolsters and fifth wheel made of pressed steel; open hearth steel axles. Nos. 04 to 1 with ⅜ inch axles and Nos. 2 to 4 with ½ inch axles; body of 27 gauge sheet steel flanged over ¼ inch round steel rod; have two beads of corrugations near top edge and single bead near the bottom. Nos. 0 to 4 fitted with double plate 5th wheel, and three braces on rear axle and two hardwood cleats on bottom boxes. Workmanship and material the very best; wooden tongue with metal grip and steel attachment; outside with two coats of red and neatly striped and stenciled; inside and bottom painted green; gear and wheels enameled black.

Nos.	04	02	1	3	4
Length body, ins	18	22	26	30	32
Width body, ins	8	10	12	14	16
Depth body, ins	2¾	3½	4	5	5
Wheels, ins	6	8	10	11	11
Tires, in	½	½	9/16	11/16	11/16
Wt per doz, lbs	70	80	90	110	120
Per Doz	$36 75	45 75	67 50	81 00	91 50

(Sold in full carton lots only.)

No. 04 one-third doz, balance one-sixth doz in carton, K. D.

BOYS' WAGONS

—BLUE GRASS SPECIAL—

Heavy High Grade.

The wheels on this wagon are the same construction as on the Blue Grass. The fifth wheels are very similar to the regular Blue Grass, being equal to them in every way. They have double brace in the center of the rear axle. The tires are wider than the corresponding wagons of other makes. The wood bottoms are thicker than others and are double tongued and grooved and glued together, whereas, other makes are not tongued and grooved but simply stuck together with glue. The steel in the body is extra heavy and an extra heavy wire is placed around the top; an extra heavy shaped loop is used on the handle; all handles are packed inside the body thus avoiding any loss of parts in shipment.

Reinforced Steel Hub.

Same as on Blue Grass; spokes made of No. 10 wire.

Strong Fifth Wheel.

The front piece goes over the axle and bends down, the axle pressing through it. This piece is made of No. 10 gauge steel and is ⅞ inch wide. The axles are 11/16 inch in diameter.

This construction makes the Blue Grass the ideal wagon to withstand the rough usage of boys.

The construction of these wagons is the best— the materials used are of the highest standard—the workmanship and finish cannot be excelled. These combinations of high quality make the best boys' wagon that has ever been placed on the market.

Highest grade enamel is used in finishing, with two coats of varnish; letters in gilt; packed two in a carton, assorted finish as follows: 1 with red body, black gears and wheels; 1 with green body, black baked enamel gears and wheels; red body finished green inside, green body finished red inside.

Nos.	401	403
Body, ins	12x26x4⅛	14x30x5¼
Wheels, ins	10	11
Tires, ins	11/16	13/16
Wt doz, lbs	174	228
Per Doz	$79 50	99 00

(Sold in full carton lots only.)

One-sixth doz in carton, K. D.

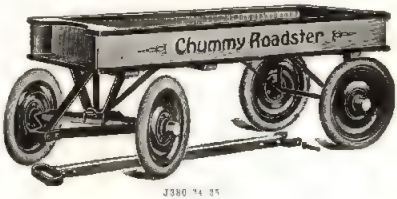
When comparing prices on Children's Vehicles also compare quality. The volume in which we buy and sell Children's Vehicles permits us to offer them to you at lowest possible prices.

Chidren's Coaster Wagons

DEPARTMENT 51—FIFTH FLOOR

J380 557

J380 557—"Blue Streak" Coaster Wagon; 10 inch double disc steel wheels with self-contained dust-proof, roller bearings, ¾ inch rubber tires, enameled bright red, striped in yellow, extra heavy roller brake; body is of selected Southern white ash, beautifully grained, bed reinforced with four hardwood cleats; front and rear boards are mortised into sides; bolsters are made of selected hardwood, braced to body with three heavy braces, body is natural finish trimmed in red and varnished name on side in blue and red; size of body 14x34 inches, each in a sealed carton ..... **Each 15 00**



J380 34 35

J380 34—Chummy Roadster; body is built of well seasoned hardwood; undergear is entirely of steel, wheels are 10 inch auto single disc steel with self-contained roller type bearings and 1 inch oversize rubber tires, sides and ends are finished in rich ivory enamel with brown trimming, brown wheels, bolsters in black enamel; size of body 14x34 inches, each in a sealed carton ..... **Each 12.00**

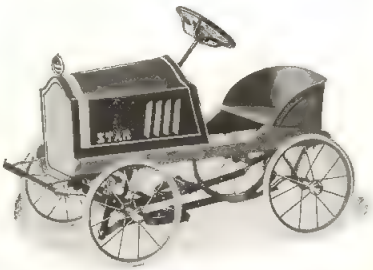
J380/35—As above; size 16x36 inches..... **Each 13 00**

Children's Automobiles

It takes more than shiney paint and bright colors to keep the modern youngster satisfied. Like his parents, he wants "performance on the road"—and he can get it only with quality construction

The automobiles shown on this and the following pages are equipped with the "no dead center" gear, which positively prevents the wheels from becoming locked on "dead center", this is an exclusive feature found in this line of automobiles only, it makes for easy pedal action and great ease in handling car, even by very small children. All autos in this line are equipped with adjustable pedals, as the child grows, the position of the pedals is changed to conform to his size

J380/370—Wizard Auto; body 12x30 inches; finished in bright red; trimmed in black and yellow; yellow radiator band, equipped with moto meter, gas and spark control and bumper, "no dead center" gear with adjustable pedals, 10 inch wire wheels with ¾ inch rubber tires, nickeled hub caps ..... **Each 13.50**



J380/371—Star Auto; body 12x30 inches, finished in orange with dark blue hood, trimmed in yellow and blue, equipped with motometer gas and spark control and the "no dead center" gear with adjustable pedals, 10 inch wire wheels with ¾ inch rubber tires, nickeled hub caps..... **Each 14.00**

Children's Automobiles

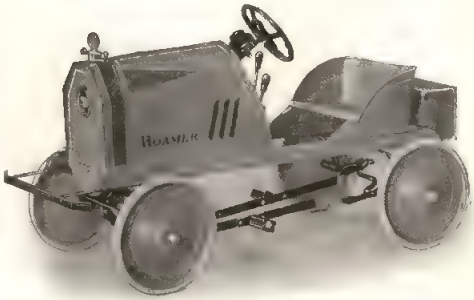
DEPARTMENT 51—FIFTH FLOOR

J380/559—King Auto; body 12x30 inches, finished in bright red, trimmed in yellow; 10 inch wire wheels with ⅝ inch rubber tires, equipped with cast steering wheel, "no dead center gear" with adjustable pedals, nickel plated hub caps..... **Each 12 00**

J380/560—Clipper Auto; body 11x30 inches, finished in light brown with dark brown trimmings, striped in orange and black, equipped with moto-meter, gas and spark control and steel bumper, gas tank on rear, "no dead center" gear with adjustable pedals, 8 inch wire wheels with ¾ inch rubber tires, nickeled hub caps .. ..**Each 10.50**

J380/560

J380/560—Durant Six; body 12x20 inches, 10 inch disc wheels with ½ inch rubber tires finished in Yale blue, trimmed in yellow and red; cast steering wheel with gas control, equipped with motor-meter, bumper, "no dead center" gear with adjustable pedals; wheels enameled red, nickel plated hub caps ....**Each 10 00**



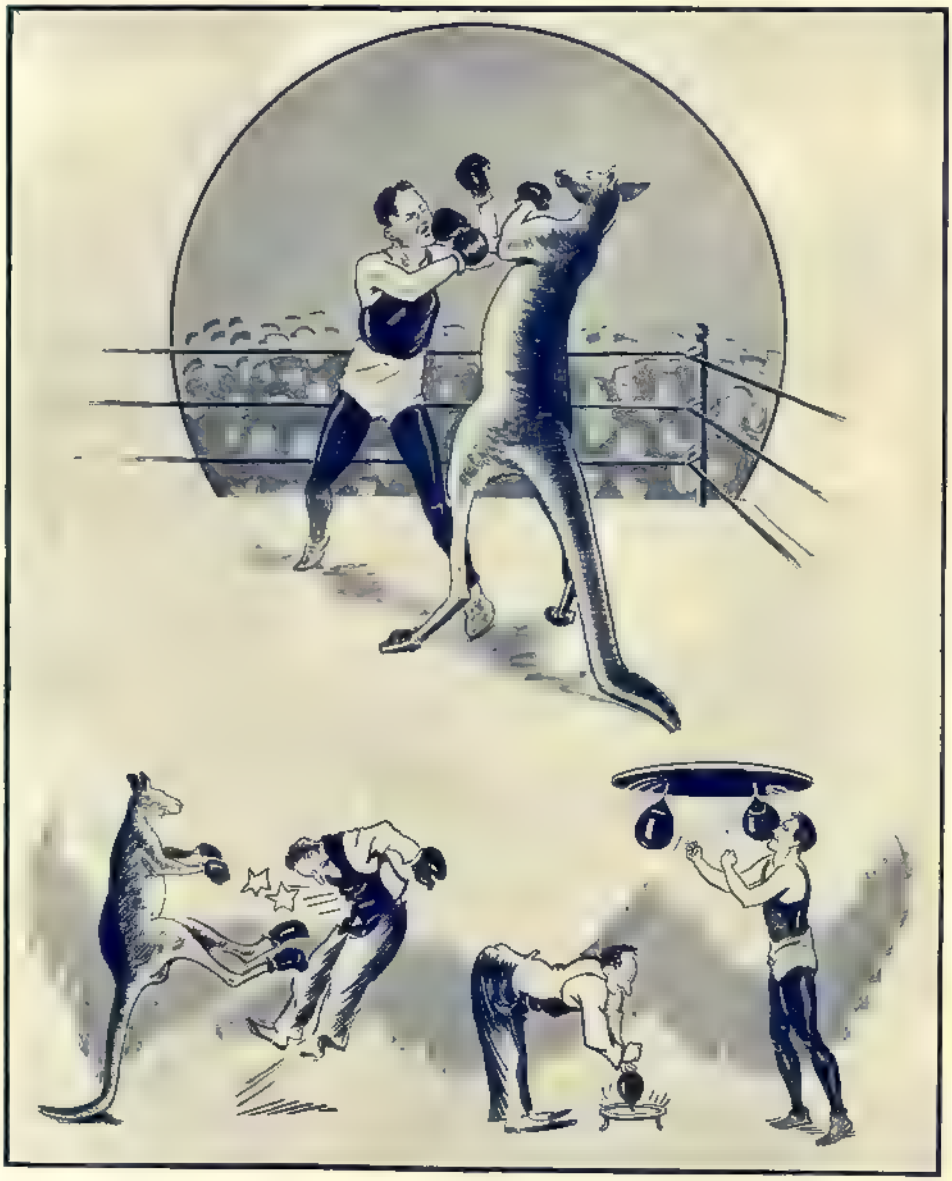
J380/562

J380/562—Roamer; body 13x36 inches, 10 inch disc wheels with ½ inch rubber tires; body is finished in Yale blue, trimmed in red, black and yellow; cast steering wheel with gas control, equipped with motor-meter, horn, gear shift, front lamp, trunk in rear, license tag, bumper, "no dead center" gear with adjustable pedals, wheels enameled red, nickel plated hub caps..... .... **Each 24 00**

WORLD FAMOUS GORDON BROTHERS'

Boxing Kangaroo, "Bob"

ACTUALLY BOXING 3 ROUNDS With JOE GORDON



THIS GIANT AUSTRALIAN KANGAROO IS OVER 6 FEET HIGH

Not One In A Thousand Has Ever Seen This Strange Animal

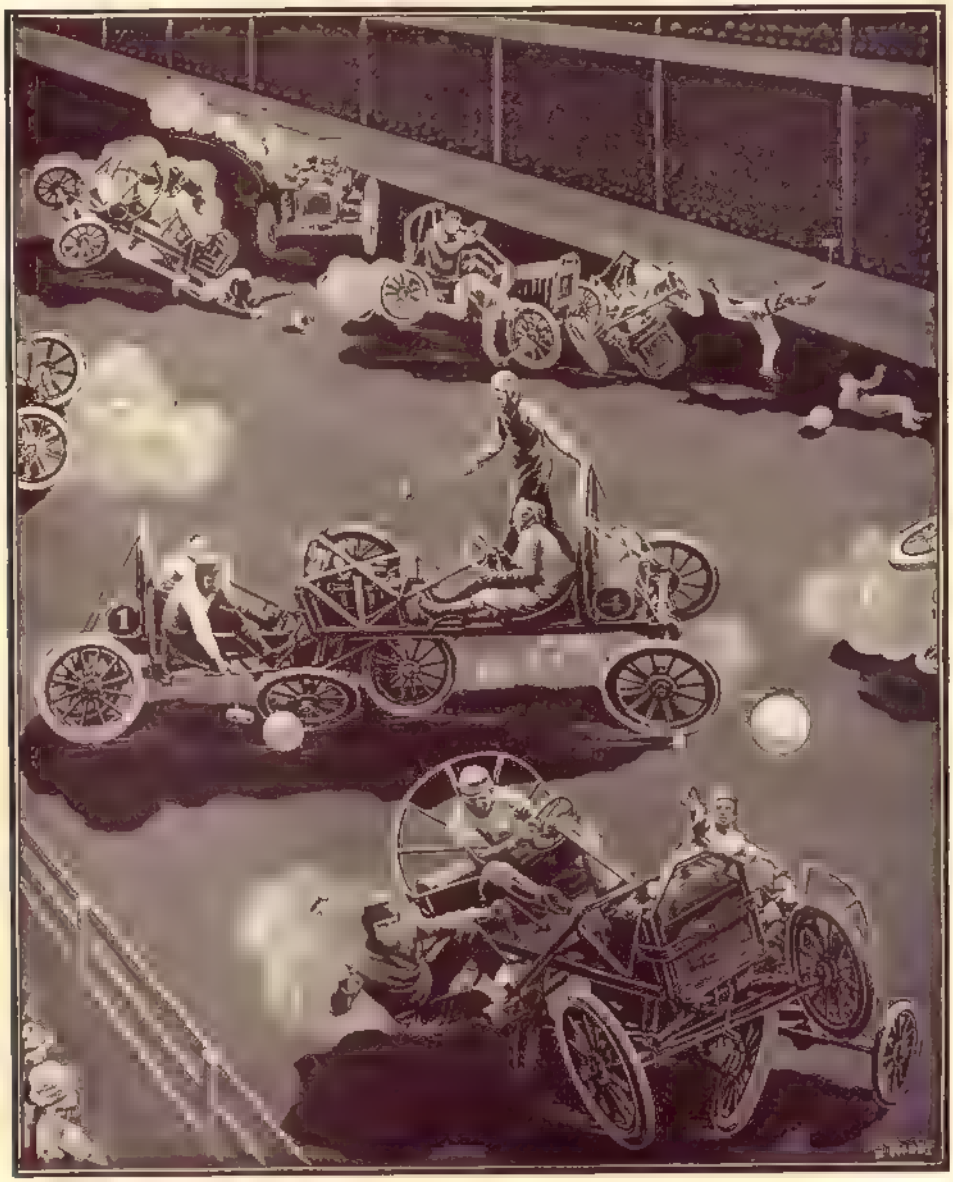
STANDS ON ITS TAIL AND KICKS FORWARD!

ACT 2: SCIENTIFIC AND COMEDY BAG PUNCHING.

SPILLS · CHILLS · THRILLS

Auto Polo

King of Repeaters



Smashing Climax Which Varies the Program Day and Night—A Magnet for Your Amphitheatre

Don't Confuse Real Auto Polo With Cheap Imitations

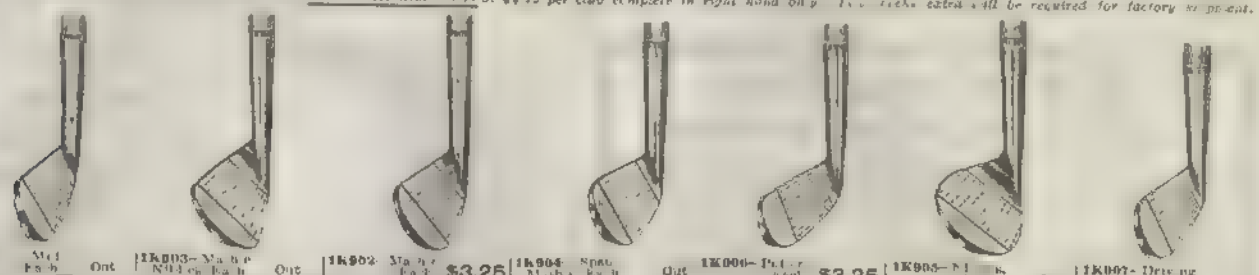
EVERY ACT *IN THIS CATALOG CONTROLLED EXCLUSIVELY* BY **WORLD AMUSEMENT SERVICE ASSOCIATION, Inc.**

"SERVICE and SATISFACTION"

"BOB MAC DONALD" GOLF CLUBS

Autographed. Exact duplicates of clubs used by "Long Bob" MacDonald, acknowledged master of distance. As perfect as materials and skill can make them. Specially selected and seasoned hickory shafts.

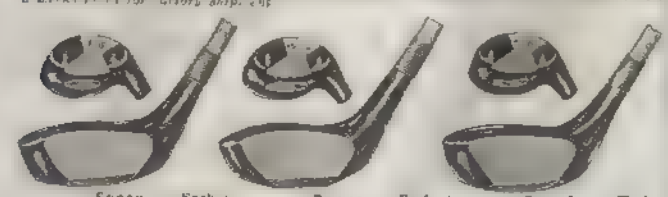
Note. We recommend Bob MacDonald irons with thin blade steel shafts at $4.75 per club complete in right hand only. Two inches extra will be required for factory to present.



1K901 Mid Iron Each Out | 1K902 Mashie Each Out | 1K903 Mashie Niblick Each Out | 1K904 Spade Mashie Each Out | 1K905 Putter Each $3.25 | 1K906 Putter Each $3.25 | 1K907 Driving Each Out

"Bob MacDonald" Wood Head Clubs

Left handed clubs. A few steel shafts can be furnished at $4.00 each. Allow 2 weeks extra for factory shipment.



Spoon	Each	Driver	Each	Brassie	Each
1K908 Wood head, hickory shaft	Out	1K909 Wood head, hickory shaft	$4.00	1K910 Wood head, hickory shaft	Out
1K911 Wood head, steel shaft	Out	1K912 Wood head, steel shaft	5.50	1K913 Brassie, steel shaft	5.50

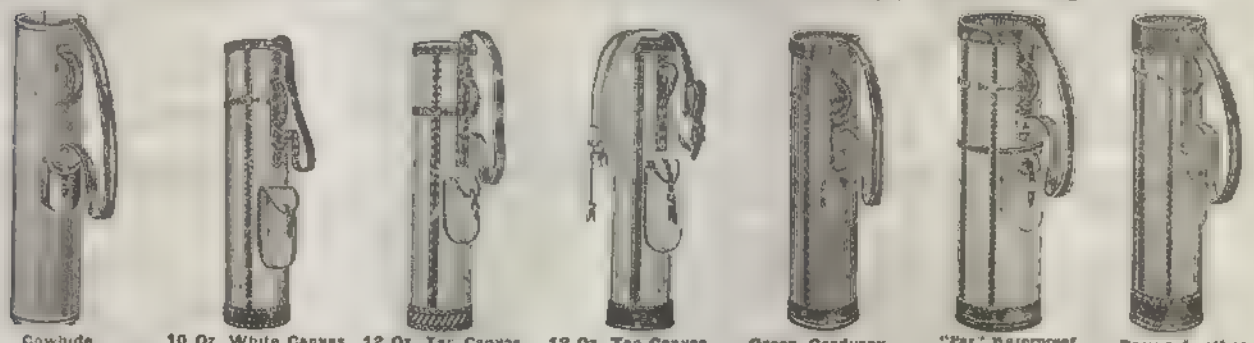
MEN'S LEATHER GOLF OXFORD

Rubber sole and heel. Makes an ideal shoe for golf

1K6038—MEN'S NUT BROWN, top grade [illegible] retan grain [illegible] to [illegible] and rubber soles. Goodrich rubber heel. Wool sizes only, 6 to 11. Each pair in box

Single pair $3.10
12 pairs or more, Pair 3.00

CANVAS and LEATHER GOLF BAGS



Cowhide

"Trover"—Most practical bag for the golfer who travels. Made of selected cowhide leather, strongly reinforced at all points of strain. Each bag has two adjustable double straps, handle, and brass lock. Each bag contains one each of the following: Nesser's—Trimmed, adjustable double straps, handle, and brass lock. Each

1K899 16 in. new $2.10
1K900 16 in. new $3.25

10 Oz. White Canvas

Made of two layers of heavy white canvas with genuine leather trim and brass plate. Each bag has one pocket.

1K890—Men's, 5 in. top. Each $2.25
1K891—Women's, 4½ in. top. Each $2.25

12 Oz. Tar Canvas

5 in. Top

1K892 Men's, 12 oz. tan canvas, 5 in. top, 3 oval steel stays, leather strap, black trim brass plate, 1 in. pkg. Each $2.96

12 Oz. Tan Canvas

Tunnel Hood 6 in. Top

1K894 Men's, 12 oz. tan canvas, 6 in. top, 3 oval steel stays, tunnel hood, lock and 2 keys. Leather trim, large pocket to carry accessories, brass plate, 1 in. pkg. Each Out

Green Corduroy

4½ In. Top

1K895 Women's green corduroy, 4½ in. top, 3 oval steel stays, clip on leather straps, brass plate to carry steel rods, brass lock with 2 keys, 1 in. pkg. Each $4.85

"Par" Waterproof Whipcord

1K896—Men's, brown tone whipcord, waterproof cotton lining, saddle leather sling, nickel silver metal work, one of which is trimmed with leather to carry golf balls. Each $5.75

Brown Leather

1K897—Men's, 6 in. top, brown leather, white lacing, brass plate, black strap, brass [illegible] tunnel hood. Each bag contains 1 [illegible] Each $12.50

CAMERAS and FILMS

1K5200—Bingo No. 2 box, takes pictures [illegible] black leatherette covered [illegible] 1 in carton Each $1.45

1K5202—No. 2A Goodwin box [illegible] 1 in carton Each $2.45

1K5196-S—"Goodwin Jr." takes pictures 2½x2½ in. Fine grained lens, 2 view finders, black leatherette covered, quick loading, easy operated. 1 in carton Each $1.80

1K7201—No. 1 "Goodwin Jr." folding pocket camera, takes pictures 2½ x [illegible] in. Fixed focus, fine grained lens, view finder, time and instantaneous exposures. 1 in carton Each $5.00

97% of all films sold are represented in sizes listed here

"Bag" shutters, push cord shutter release, reversible ground glass finders, nickel trimmings, rigid lens support. 1 in carton with instruction book

1K5204 2½x4¼ in. picture, single achromatic lens, fixed focus, takes pictures at all distances with 1 adjustment Each $9.10

1K5206—2½x4¼ in. picture, double lens Each $10.50

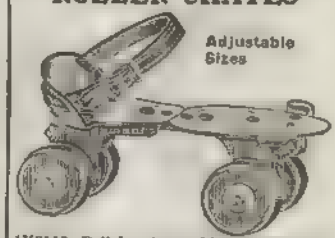
1K5208—3¼x5½ in. picture, double lens Each $13.30

"ANSCO SPEEDEX" FILMS

Wide range of speeds in exposure. Sizes shown below represent 97% of all sizes of films sold today.

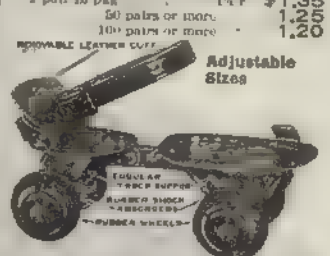
	Eastman's Size	Exp.	No.	Doz rolls
1K2C	[illegible]	8	127	$2.06
1K44	[illegible]	6	120	2.06
1K64	[illegible]	6	116	2.48
1K74	[illegible]	6	118	3.71
1K184	3 (3¼x5½)	6	123	4.63

ROLLER SKATES



Adjustable Sizes

1K3112—Ball-bearing, cold rolled steel foot plates and toe clamps, heavy outer straps, high steel cuff makes top skate adaptable for juvenile and [illegible] 1 pair in pkg. Pair $1.35
50 pairs or more, 1.25
100 pairs or more, 1.20



Adjustable Sizes

Rubber Wheels—Full ball-bearing, securely clamped to plate with [illegible] rivets, [illegible] drop forged steel bar extending [illegible] rubber shock absorbers on both front and rear trucks, supported by tubular uprights, removable leather cuff, convertible into all sizes for either boys or girls. 1K121 1 pair in pkg. Pair $1.90

1K3125—Extra wheels ..... Each 17c

"PENNANT" TENNIS RACKETS

In a nutshell—to handle "Pennant" rackets means bigger profits and the offering of bigger values. A comparison with other lines and prices and an order from this page will quickly convince you.

SUPER VALUES
In Popular Priced Tennis Rackets

Think of it! You'd shop around a long, long time to find as big profit-paying values anywhere else.

Sales Stimulators
Profit Payers
"Ace" Values

To Retail For $3.00 and $5.00

"CHALLENGE"
12 and 12½ oz

1K757 — "Challenge," full size, oval head, beveled frame, reinforced at shoulder with walnut strip, red & blue cable cord shoulder wrappings reinforcing frame at point of greatest strain, white holly low cut wedge, strung with durable selected oriental gut, **Doherty reinforced center strings.**

Each **$2.15**

"COLLEGIATE"
13½ to 14 oz

1K763 — "Collegiate," oval head rounded grooved frame, low cut throat, white holly wedge, head and shoulder fiber strips reinforced inside and out at shoulders with walnut strips, 4 cable cord wrappings, 4 pc. cedar handle, strung with selected quality gut reinforced Doherty center strings. At a $5.00 seller this is the season's sensation

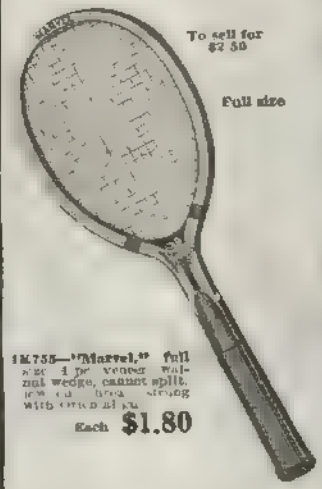
Each **$3.50**

Frames on all "Pennant" rackets are of second growth weather seasoned white ash highly polished, leather capped handles stamped with weights from 12½ to 14 ounces. Each in heavy paper envelope.

"MARVEL"

To sell for $2.50

Full size



1K755—"Marvel," full size 4 pc veneer walnut wedge, cannot split, low cut throat, strung with oriental gut

Each **$1.80**

"TOURNAMENT"

To sell for $7.50

Used by Many of the Best Players

1K758—"Tournament," oval head [illegible] reinforcement strip [illegible] frame material [illegible] and [illegible] shoulder wrappings blue cable frame wrappings, low cut throat reinforced with cedar strip, mahogany wedge 4 pc. white wood handle, extra quality selected gut, Doherty center stringing

Each **$5.25**

"PERFECTION"

To sell for $10.00

A masterpiece

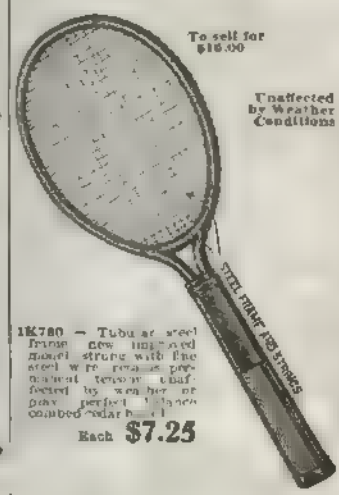
1K759—"Perfection" [illegible] oval shape rounded throat proof frame, a strong [illegible] reinforced with an extra bridge of red gut around the regular lacing consisting of ash and walnut strips with continuous red fiber center [illegible] each end [illegible] and [illegible] fiber shoulder reinforcements [illegible] inside and outside low cut throat, white holly wedge, blue and orange [illegible] and frame wrappings, 4 pc. white wood handle

Each **$7.25**

"DAYTON" STEEL

To sell for $10.00

Unaffected by Weather Conditions



1K760 — Tubular steel frame, new improved channel string with fine steel wire retains proper tension unaffected by weather or play, perfect balance, combed cedar handle

Each **$7.25**

TENNIS BALLS

1K790 — United States National Lawn Tennis Assn's approved match ball.
1 doz. in box Doz **$4.50**

1K791—Approved by U. S. National Lawn Tennis Assn.
1 doz. in box.
Doz **$4.50**

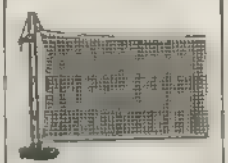
MARKING TAPE

1K773 — [illegible] double weft marking strips for asphalt or composition court, complete with court chart
Set **$5.20**

RACKET PRESS

1K750 — Double hardwood frame varnished, wing nut clamps, holds racket frame rigidly, prevents warping.
1 in pkg
Each **75c**

TENNIS NETS



"Pennant," heavy canvas bound knotted net of No. 15 twine. Each in carton, poles not included

1K776—White net, 26x3 ft
Each **$3.10**

1K777—Tarred net, 4 x 3 ft
Each **$5.25**

More and more

TENNIS GOODS

are being sold each year.

THE

"PENNANT"

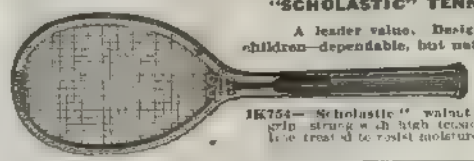
Line brings an

EXTRA PROFIT

Note these prices.

"SCHOLASTIC" TENNIS RACKET

A leader value. Designed especially for children—dependable, but not guaranteed.



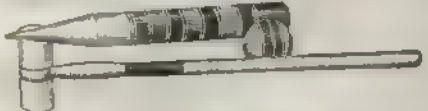
1K754—"Scholastic" walnut wedge, red cedar grip, strung with high tension specially treated line treated to resist moisture

Each **$1.15**

"PENNANT" CROQUET SETS

"STANDARD"—6 in. fancy turned mallets, striped and varnished handles and stakes, mallets oiled, 10 heavy arches. Each set in wood box with chart of instructions.

4 BALL SET—
1K940—3 sets in crate, 36 lbs.....Set **$1.55**



"SPECIAL"—6 in. fancy turned mallets, all pieces banded with brilliant color enamel and varnished, heavy galvanized arches. Made for us in carload lots to our specifications which makes our price impossible to meet. Each set in wood box with chart of instructions.

6 BALL SET—
1K942—3 sets in crate, 51 lbs..... Set. **$2.65**

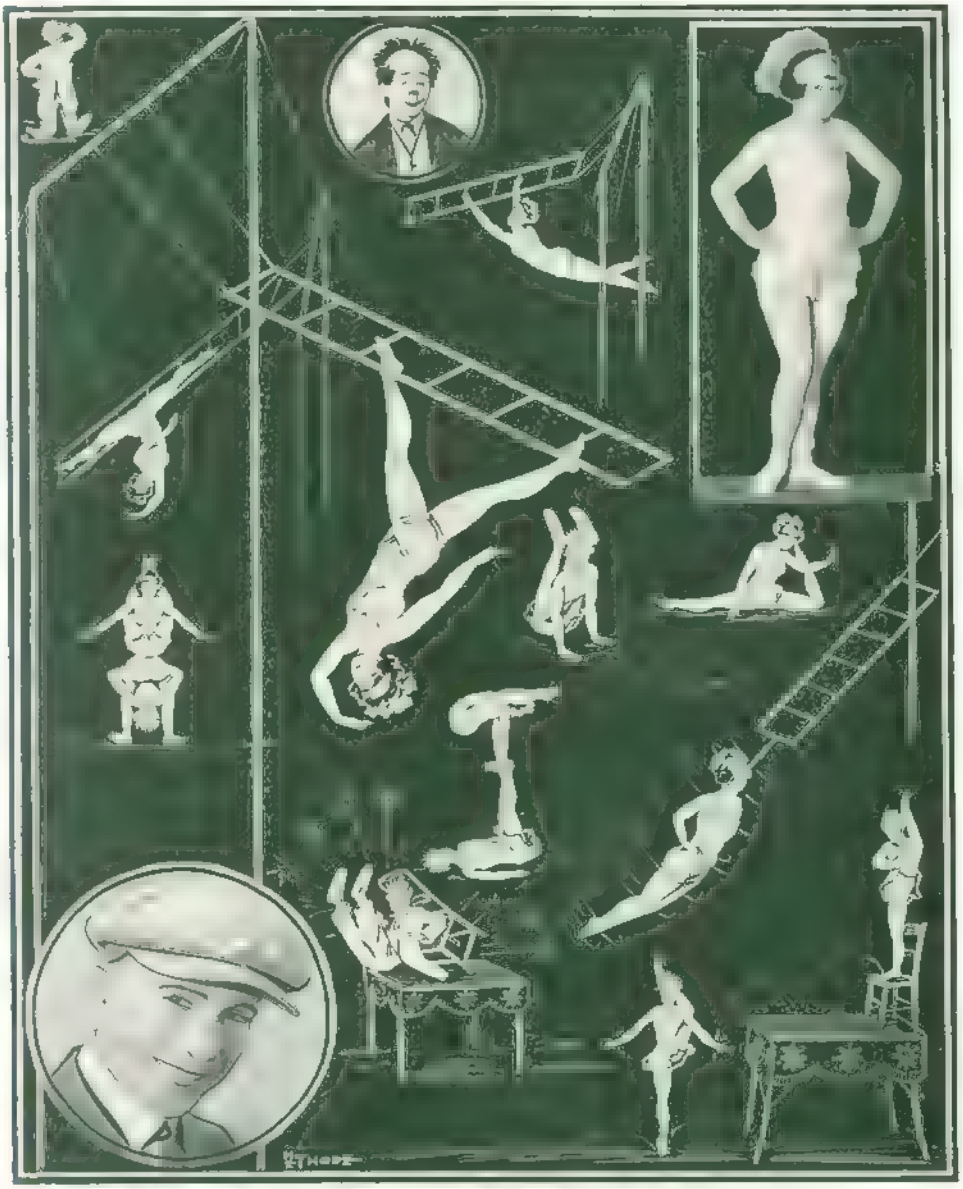
"PROFESSIONAL"—8 in. mallet, short professional handles, all pieces varnished and striped with high color enamel, 2 extra large stakes, heavy galvanized arches. Each set in wood box with chart of instructions.

8 BALL SET
1K930—1 set in crate, 25 lbs..... Set **$4.35**

The Versatile Couple

BOB AND OLIVE NELSON

TWO SEPARATE STANDARD ACTS



The Fair Lady Contortionist and Superior Acrobatic Clown

Beauty and Laughter—Sensational Flying Ladder
Showy Apparatus, Over 20 Feet High, Carried Complete

EVERY ACT *IN THIS CATALOG CONTROLLED EXCLUSIVELY* BY **WORLD AMUSEMENT SERVICE ASSOCIATION, Inc.**
"SERVICE and SATISFACTION"

THOSE BRAINY ACTORS FROM THE DEEP, DEEP SEA

PICKARD'S SEALS

BALANCING NECROMANCERS OF ALL CREATED BEINGS

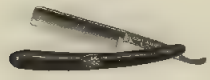
ACTUALLY EXCELLING THE MOST SKILFUL OF HUMAN JUGGLERS

Performing the Most Intricate Feats of Catching, Tossing and Balancing Fire Brands, Long Poles, Lamps, Chairs, and Other Objects, Proving Themselves Acrobats and Gymnasts. Also Wire Walkers, Vocalists and Musicians

DEXTEROUS INTELLIGENT CREATURES OF INFINITE SKILL

RAZORS

THE "RED-INJUN"

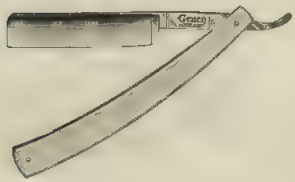


Square point, full hollow ground, full polished, black rubber oval handles.

		Per Dozen
No. 100	½ in. blade, weight per dozen 1½ lbs.	$42 00
No. 101	⅝ in. blade, weight per dozen 2 lbs.	42 00

One-half Dozen in a Carton.

GENCO MASTER BARBER

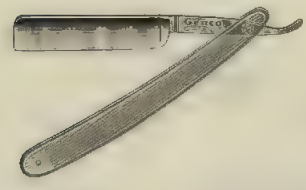


Forged blade with oval tang, ground full concave, extra fine polish, imitation ivory handle, flat surface, beveled edges, square ends, square or round point.

	Per Dozen
No. MB1—⅞ in. blade	$36 00
No. MB2—⅝ in. blade	36 00

One half Dozen in a Carton.

GENCO GOLD SEAL



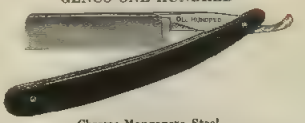
Extra full concave ground blade, oval tang, highly polished, with back and tang heavily gold plated, transparent amber handle, flat, with beveled edges.

	Per Dozen
No. GS1—⅞ in. wide blade, round and honed point	$42.00

One-half Dozen in a Carton.

RAZORS

GENCO ONE HUNDRED



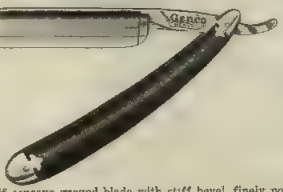
Chrome-Manganese Steel

Special concave blade, with unusually stiff bevel, finely polished, straight (barber) point, vulcanized rubber flat handle, black

	Per Dozen
No. 100-1—⅞ in. blade	$30.00
No. 100-2—⅝ in. blade	30 00

One-half Dozen in a Carton.

GENCO HEAVY

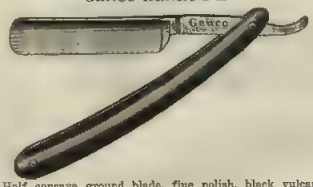


Half concave ground blade with stiff bevel, finely polished, imitation ebony handle, oval, with metal tips.

	Per Dozen
No. GH2—⅝ in. blade, honed point	$30.00

One-half Dozen in a Carton.

GENCO HENRY'S X



Half concave ground blade, fine polish, black vulcanized rubber oval handle.

	Per Dozen
No. HX2—⅝ in. blade, round point	$24.00

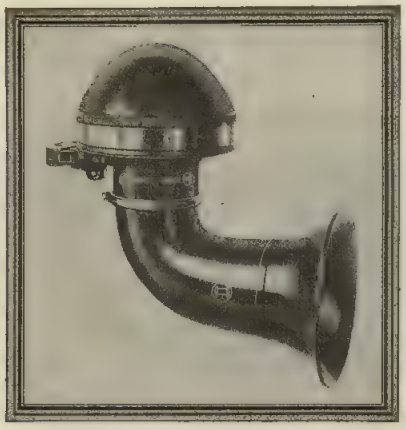
One-half Dozen in a Carton.

UNIVERSAL

Hollow ground blade polished and etched, black rubber handle, round point.

	Per Dozen
No. 222—⅝ in. blade	$12.00

One Dozen in a Carton.



Original Bosch Automotive Equipment is identified by the trade mark shown above and the full name, "Robert Bosch". Be sure to specify "Robert Bosch" when ordering. Only then can you be sure of getting original and genuine Bosch quality as known the world over since 1887.

There is more than just "money profit" for you

in selling the Original Bosch Horn

The progressive automotive merchant is constantly on the watch for quality products that will net him good profits and, at the same time, help him build up a quality reputation in his town.

That is why dealers everywhere have been quick to receive the Robert Bosch Horn and to offer it to their trade.

The Robert Bosch Horn (an *original* Bosch product), is already on thousands of fine motor cars. The musical, penetrating tone of this new high-frequency warning signal compels attention whether in crowded thoroughfares or on country roads.

It is suited, alike, to fine motor cars, motor busses, commercial cars, taxicabs and motor boats. Write for price schedules and agency details for selling Robert Bosch Automotive Equipment.

NEW PRICES
The Robert Bosch Horn is made in three sizes—one quality.

"Junior"	now	$16
"Standard"	now	21
"Master"	now	25

(LIST PRICES)

Robert Bosch Magneto Company, Inc. (Otto Heins, President), 111c W. 46th Street, New York, N. Y. Chicago Branch: 1302 So. Wabash Avenue.

Bosch

ROBERT BOSCH MAGNETO COMPANY, INC.

The horn they're all talking about

THE VOICE OF THE FINE CAR

Visit us at the Bosch displays—

January 11th to 15th, American Road Builders' Convention, at the Coliseum, Chicago.

January 18th to 23rd, National Motor-cycle, Bicycle and Accessory Show, New Madison Square Garden, New York.

January 22nd to 30th, National Motor-boat Show, Grand Central Palace, New York.

January 30th to February 6th, Chicago Automobile Show, Coliseum, Chicago.

EVERYWHERE you hear it now: the resonant, staccato note of the *Original* Bosch Horn. No automobile accessory in a long time has taken so well with motor-car owners.

Why aren't you sharing in the profits of this remarkable success? Perhaps you have been tempted by one of the numerous imitations of this Horn. But remember:

There is more money for the dealer in selling an *Original* Bosch Horn than there is in selling an imitation. And to your purchaser of an *Original* Bosch Horn, you can offer *Original* Bosch spark plugs, generators, spot lights, hydrometers, etc., each product of the same masterly workmanship as characterizes the Horn.

The *Original* Bosch line is being increased by still other products so that it is becoming always more attractive from the dealer's standpoint.

Write us

We invite correspondence from dealers. Why not get some of the Christmas sales that the horn is sure to produce? Address Robert Bosch Magneto Company, Inc., 111c West 64th Street, New York. Chicago Branch: 1302 So. Wabash Avenue.

This trademark and the full name "Robert Bosch" are your guaranty of Original Bosch quality as known the world over since 1887.

The Original **Bosch**

ROBERT · BOSCH · MAGNETO · COMPANY · INC.

No connection whatsoever with The American Bosch Magneto Corporation

Real Sales Features—

The insulator used in the Bosch RED Spark Plug is made of "Amboslte," a granite hard substance with wonderful insulating properties.

It is not porcelain or china—there's no clay in it. It is a new chemical composition which intense heat will not crack, and high electric voltage cannot puncture.

The electrodes are long wearing, too. They're made of manganese nickel—not steel. They don't burn away like ordinary electrodes. Their crescent shape makes bigger sparks and easy starting.

The plug body and threads are zinc plated —they won't rust in stock or in reserve.

The Bosch RED Plug is the QUALITY Plug you've been looking for—absolutely gas tight, long-lived and dependable.

It is backed by the Bosch guarantee and by an enviable reputation it has made for itself. Five types service all popular cars—a small stock gives a quick turnover and a good profit.

Ford size 75c. Other sizes $1.00

AMERICAN BOSCH MAGNETO CORPORATION

Main Office and Works: Springfield, Mass.

Branches: New York Chicago Detroit San Francisco

A new horn for modern traffic conditions — its tone is clear, resonant, commanding, polite, — dominating city traffic and penetrating far on country roads. It's designed and built by Bosch—moderately priced.

Straight Models $19.80 Curved Models $21.50

AMERICAN BOSCH MAGNETO CORP.
Springfield, Mass.

Branches: New York, Chicago, Detroit, San Francisco

BOSCH
Traffic Tuned
HORN

Profit Makers!

Electric Windshield Wiper

Shock Absorber

Spark Plug

Ignition Coil

The BOSCH Long Line of Automotive Necessities

Here's a complete line of Quality accessories—all made by one firm. It's no longer necessary to deal with one company selling shock absorbers, another selling spark plugs, etc. If you handle the Bosch Long Line, you have the selling rights to 10 popular accessories—every one high grade, thoroughly dependable, moderately priced and a real necessity.

You have the Bosch reputation and prestige to back you up, Bosch advertising and dealer helps to aid you in selling, and the liberal Bosch discounts to assure good profits.

Furthermore, there are over 2500 official Bosch Representatives throughout the world to keep Bosch Products properly serviced.

Ask About the Bosch Dealer Franchise

You can profit still more by becoming an Official Bosch Dealer. The requirements are simple—the benefits many. Some of the advantages you would get are:—

Special discounts on all Bosch material.
Greater profits through increased sales.
Personal assistance from Bosch salesmen.
New markets and added prestige locally.
Reference books, sales literature, etc.
Sales promotion and advertising service.

For full particulars, mail the coupon TODAY.

American Bosch Magneto Corporation

Main Office and Works: Springfield, Mass.

Branches

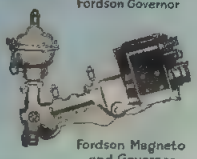
17-23 W. 60th St., New York
3737 Michigan Ave., Chicago
89-95 Hancock Ave. W., Detroit
1262 Post Street, San Francisco

Ford Ignition Type 600

Ford Ignition Type 513

Ford Ignition Magneto Fitting

Fordson Governor



Fordson Magneto and Governor

AMER. BOSCH MAGNETO CORP. Send particulars about:

- ☐ Complete line
- ☐ Shock Absorber
- ☐ Windshield Wiper
- ☐ Spark Plug
- ☐ Electric Horn
- ☐ Ford Ignition Systems
- ☐ Fordson Ignition System
- ☐ Fordson Throttle Governor
- ☐ Bosch Dealer Proposition

Ship me C O D at quantity discount .....

Firm Name .....

Street Address.. City State. .....

Date .. ..Signature.....

D 6

UNIVERSAL REPAIR PLUGS

"Also Dept. 5"

Black composition, heat proof. Equipped with push on or off switch. Fits all toasters, stoves, irons or any other heating appliances.

For either flat or round terminals.

No.	TF1
Wt each, ozs	4
Less than 10, Each	$1 44
Lots of 10, Each	1 35

One in cardboard box.

Universal Repair Cord and Plug Complete.

Will fit practically every form of contact used by various appliances, irons, toasters, grills, etc., for either round, flat or square terminals, and can be used in vertical or horizontal positions. Length of cord 6 feet. Each

No. 6S (Old No. PC6)—Wt each 1½ lbs $3 15

One in cardboard box.

HEATER CORD "See Dept. 5."

National Code Standard.

For connecting portable electric heating devices (irons, toasters, vacuum cleaners, etc.) with sockets. Extra flexible and is composed of two conductors each, of braided copper wire, instead of standard as in lamp cord. Each conductor is cotton wound, then rubber, insulated and covered with substantial asbestos braid and then both conductors are covered with, and bound together by a braid of hard glazed cotton.

Per 1000 Ft

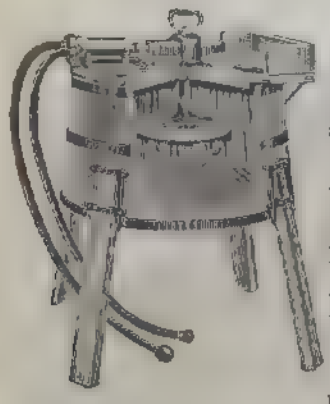
No. 16HC—Size (B. & S.) wt per 1000 ft 38 lbs..... $88 50

500 ft in coil.

WASHING MACHINES

BOSS, WATER MOTOR

Piston Type.



Selected red Louisiana Cypress; tub finished with several coats of high grade water proof varnish; lid double thick, hinged on with strong slip-off hinges.

Dolly made entirely of wood Can be raised above clothes in tub by a metal handle, this preventing the clothes from clinging to dasher post when lid is raised.

All iron parts such as screws, nuts, bolts and all other hardware are galvanized and rust proof.

Equipped with large wringer box, securely bolted and braced to tub.

Guaranteed to operate on any water pressure over 25 lbs.

Each

No. BPM—Wt each 70 lbs ..... ◆$55 50

One in crate.

◆F. O. B. Ohio Factory Only.

WASHING MACHINES

—BLUE GRASS—Water Motor.

Dolly Type.

Best Quality Selected Cypress tub highly varnished and very strong in construction.

Gearless water motor. This prevents noise and lost motion and insures the easy running qualities necessary in a motor that will operate, on a very low water pressure.

No frictional parts; self-draining and non-freezing; requires no oiling; will not wear or rust.

Diameter of tub at top 22 inches; diameter of tub at bottom 24 inches; height of tub 14½ inches; height over all 28½ in.

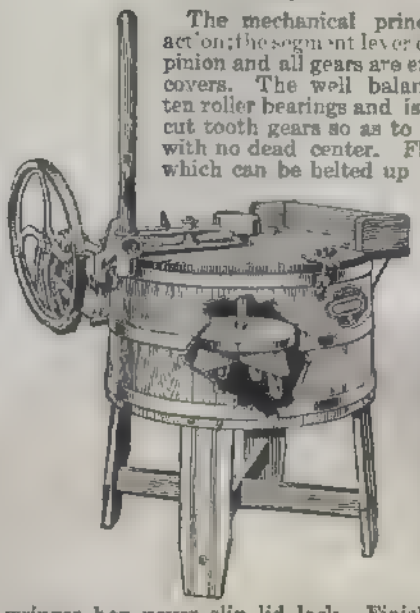
Motor guaranteed for three years. Tubs are not guaranteed and are not returnable. If motor proves defective it should be detached and sent back for repair or replacement. Each

No. BG1M—Wt each 65 lbs $50 40

One in crate.

—BLUE GRASS—HAND POWER

High Speed.



The mechanical principle is positive in its action; the segment lever directly drives the fly pinion and all gears are encase in accident-proof covers. The well balanced fly-wheel runs on ten roller bearings and is geared direct with the cut tooth gears so as to produce a mechanism with no dead center. Fly-wheel has a flat rim which can be belted up if desired. The lever socket is designed with two different positions to permit the operator to change the angle of the lever.

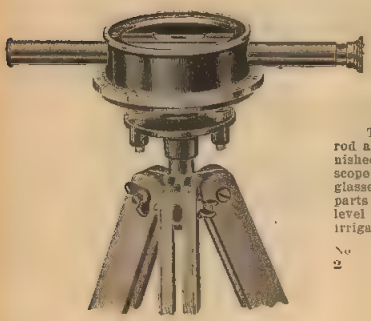
The dolly is made of selected seasoned hardwood, has smooth well anchored pins and is of a design capable of heavy duty.

Tub is made of Virginia white cedar, corrugated on the inside. The legs are bolted securely to the tub and are well braced with hardwood sections bolted through from side to side; well braced wringer box never slip lid lock. Finished with a coat of mahogany stain and complete with a coat of highly quality coach varnish.

No. BGHS—Outside dimensions: diam of tub: top 21½ ins; bottom 23 ins; height of tub 12¼ ins; height over all 27 ins..... Each $39 60

Crated; wt each 115 lbs.

BOSTROM LEVELS



No. 2

IMPROVED FARM

With Telescope

No. 2

The outfit consists of level with telescope, tripod, plumb bob, graduated rod and target, with full instructions for adjusting and operating. With varnished wooden case, with hinged cover and handle for carrying level. The telescope is equipped with focusing eye cap, and contains a system of magnifying glasses by which the target may be read one-quarter mile distant. All iron parts are black enameled. Telescope tube and level are polished brass. This level meets every requirement of all classes of farm work, such as ditching, irrigating, terracing, fencing, road building, grading, foundations and building.

No.	Wt. each	Each
2	12 lbs.	$24.00

Levels one in a box; legs wrapped

EXTRA PARTS FOR IMPROVED FARM LEVELS

	Each
Boxes	$1.50
Eye Caps	2.00
Lenses, Objective	5.00
Rods, Graduated	4.00
Targets	2.00
Tripods, complete	6.00
Tripod Heads	1.20
Tripod Legs	1.20

	Per set
Screws, Leveling	$1.00
Screws, Telescope Adjusting and Vial	.30
Screws, Turret	.30
	Each
Screws and Springs, Center	$0.60
Vials, Mounted with Screws	2.00

IMPROVED BUILDERS'

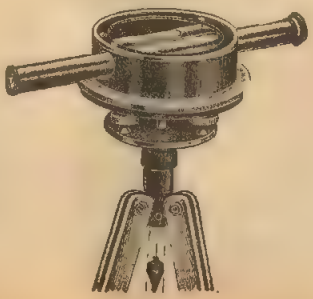
With Telescope

No. 3

Constructed entirely of brass, highly finished and lacquered. Telescope has magnifying power of 10 to 12 diameters. Outfit includes level with telescope, tripod, plumb bob, graduated rod and target. Wooden case for level. Meets all requirements of builders and contractors. Full directions enclosed

No.	Wt. each	Each
3	13 lbs.	$36.00

Levels one in a box; legs wrapped.



No. 3

LEVELS, GLASSES AND STANDS

STANLEY MACHINISTS' LEVELS

No 39½

Iron, nickel plated.

No	Length	Wt. each	Each
39½	6 in.	8 ozs.	$1.10

Six in a box

No. 34-V

Nickel plated. Adjustable. Ground glasses. V bottom for shafting.

No.	Length	Wt. each	Each
34-V	4 in.	7 ozs.	$2.40
	6 in.	12 ozs.	3.00
	8 in.	1 lb.	4.00

One in a box.

NOS. 40 AND 41

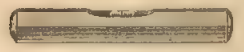
POCKET LEVELS

STANLEY

Iron body japanned. No. 40 has iron top plate. No. 41 brass top plate.

No	Length	Wt each	Each
40	3¾ in.	3 ozs	$0.50
41	3¾ in.	3 ozs.	.85

Twelve in a box.



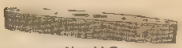
No. 31

Nickel plated. Hexagon.

No	Length	Wt each	Each
31	2½ in.	1 oz.	$0.75
	3 in.	1⅛ ozs.	.90

Six in a box.

TORPEDO



No. 44-E

Black walnut. One level and one plumb glass. Aluminum top plate.

No	Length	Wt each	Each
44-E	9 in.	3 ozs.	$1.50

Six in a display box.

SAWYER

No. 10

With screw attachment for plumb line bob by lumbermen for felling trees, etc. Used as a plumb Guard over level glass. Highly polished and nickel plated.

No	Length	Wt each	Each
10	3 in	6 ozs	$2.42

One in a box

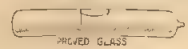
LEONHART'S LEVELS

Made of one piece of steel, nickel plated. Diameter, 3 inches. No nuts to work loose, no threads to wear out. Can be attached to any piece of wood. Can be taken off without taking out the screws. Glass stands out in plain view. For setting door jambs and window frames, plumbing walls and partitions, leveling joists, wall plates and sleepers, etc. Can be set to give any grade. Full directions packed with each level

	Wt. each	Each
Leonhart's Straight Edge Level	3 ozs.	$0.65

One in a box.

LEVEL GLASSES



PROVED GLASS

Length	Wt. each	Each
1 and 1¼ in.	⅕ oz.	$0.15
1½ and 1¾ in.	⅕ oz.	.15
2 in.	⅕ oz.	.15
2½ in.	⅕ oz.	.15
3 in.	⅖ oz.	.20
3½ in.	⅖ oz.	.20
Ground		
Length	Wt. each	Each
1¾ in., Plumb	⅛ oz.	$0.65
3 in., Level	1/6 oz.	1.00

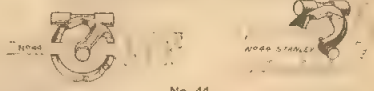
Twelve in a box.

ENCASED GLASSES FOR PLUMBS AND LEVELS

	Wt. each	Each
Plumb Glasses, No. 36	⅝ oz.	$0.60
Plumb Glasses, No. 37	1 oz.	1.20
Level Glasses, No. 36	2 ozs.	1.00
Level Glasses, No. 37	2½ ozs.	1.60

Loose.

BIT AND SQUARE LEVELS



No. 44

Brass, with proved glasses. Can be readily attached to bit or square

No	Wt. each	Each
44	⅛ lb.	$0.85

One in a box

STANLEY LEVELING STANDS

No. 38

When used in connection with a Stanley iron level and a pair of Stanley level sights it will be found very convenient for determining levels from a given point to one at a distance. All parts are nickel plated.

No	Wt each	Each
38	2 lbs	$2.40

One in a box

ELECTRIC PORTABLE LAMPS

BOUDOIR

With Silk Lined Metal Frame Shades.

One light; ornamental cast metal base and column; height over all 13¼ inches; diameter shade 5½ inches. Complete with keg socket, 6 feet silk cord and attachment plug.

Each

No. I-28—Ivory finish base, metal shade lined with old rose silk $11 70

No. 6-28—Gold finish base metal shade lined with orange silk, rose silk facing.... 11 70

One in carton; wt each 5 lbs.

One light; ornamental cast metal base and column. Height over all 13¼ inches; diameter shade 4¾ inches. Complete with key socket, 6 feet cord and attachment plug.

Each

No. I-25—Ivory finish base; metal shade lined with old rose silk $9 30

No. 6-25—Gold finish base; metal shade lined with orange silk, rose silk facing . 9 30

One in carton; wt each 4½ lbs.

BOUDOIR, With Hand Decorated Glass Shades.

One light; 8 inch blue tinted glass shade with hand decorated landscape; ornamental, cast metal base, plain round column. Height over all 14 inches; diameter base 4¼ inches. Complete with key socket; 6 feet of silk covered lamp cord and attachment plug

Incandescent lamp not included.

Each

No. 3225P—White and pink finish .. $7 50

One in carton; wt each 8 lbs.

BOUDOIR, With Hand Decorated Glass Shades.

One light; 8 inch crystal glass shade with hand decorations of floral roses; ornametal cast metal base; plain round column. Height over all 14 inches; diameter base 4¼ inches. Complete with key socket, 6 feet of silk covered lamp cord and attachment plug.

Incandescent lamp not included.

Each

No. 4124-B—White and blue finish.. $7 50

One in carton; wt each 3 lbs

BOUDOIR, With Hand Decorated Glass Shades.

One light, 8 inch hand decorated landscape buff tinted glass shade; ornamental cast metal base, plain round column. Height over all 14 inches diameter base 4¼ inches. Complete with key socket; 6 ft. of silk covered lamp cord and attachment plug.

Incandescent lamp not included.

Each

No. 3326-I—Old ivory finish..... $7 50

One in carton; wt each 8 lbs.

ELECTRIC PORTABLE LAMPS

BOUDOIR, With Hand Decorated Glass.

Shades.

One light; 8 inch blue tinted glass shade with hand decorated landscape; ornamental cast metal base and column. Height over all 14 inches; diameter base 5 inches. Complete with key socket, 6 feet silk covered lamp cord and swivel attachment plug

Incandescent lamp not included.

Each

No. I-3104—Ivory finish base..... $12 75

One in carton; wt each 3½ lbs.

One light; 8 inch crystal glass shade with hand decorations of floral roses; ornamental cast metal base and column. Height 14 inches; diameter base 5 inches. Complete with key socket; 6 feet silk covered lamp cord and swivel attachment plug

Incandescent lamp not included.

Each

No. I-3115—Ivory finish base..... $12 75

One in carton: wt each 3½ lbs.

BOUDOIR

With Hand Decorated Glass Shades.

One light; 8 inch buff tinted glass shade with hand decorated landscape; ornamental cast metal base and column. Height over all 14 inches; diameter base 5 inches. Complete with key socket, 6 feet silk covered lamp cord and swivel attachment plug

Incandescent lamp not included.

Each

No. I-3103—Ivory finish base $12 75

One in carton; wt each 3½ lbs.

BOUDOIR

One light, six and one half inch glass shade, ornamental cast metal base and column. Height over all 14 inches; diameter base 5 inches; complete with 6 feet silk covered lamp cord and attachment plug.

Incandescent lamp not included.

Each

No. I-2007—Ivory finish base, blue tinted glass shade.....$11 10

One in carton; wt each 3½ lbs.

One light; seven and one half inch glass shade; ornamental cast metal base and column. Height over all 14 inches; diameter base 5 inches. Complete with 6 feet silk covered lamp cord and attachment plug.

Incandescent lamp not included.

Each

No. I-1970P—Ivory finish base, pink tinted glass shade. .$9 30

No. I-1970BL—Ivory finish base, blue tinted glass shade 9 00

No. I-1970BU—Ivory finish base, buff tinted glass shade. 9 00

One in cardboard box; wt each 3½ lbs.

ELECTRIC PORTABLE LAMPS

One light; seven inch glass shade; ornamental cast metal base and column. Height over all 14 inches; diameter base 5 inches; complete with push socket, 6 feet silk covered lamp cord and attachment plug.

Incandescent lamp not included.

	Each
No. 1-1944BL Ivory finish base, blue tinted glass shade	$9 00
No. 1-1944BU Ivory finish base, buff tinted glass shade	9 00

One in carton; wt each 3½ lbs.

BOUDOIR

With Hand Decorated Glass Shades.

One light 6¼ inch glass shade ornamental cast metal base and column. Height over all 14 inches; diameter base 5 inches; complete with 6 feet silk cord and attachment plug.

Incandescent lamps not included.

	Each
No. 1406—Ivory finish base	$10 05

One in carton; wt each 3½ lbs.

BOUDOIR

One light; made of glass, hand painted in a beautiful color combination; keyless socket. Complete with 6 feet of silk covered lamp cord.

Incandescent lamp not included.

	Each
No. 159C—Height 12 ins; diam shade 6 ins	$11 25

One in carton; wt each 3 lbs.

WROUGHT IRON CANDLE STICKS

Art metal bronze and green polychrome finish; white fibre candle.

Complete with one key socket, 8 feet lamp cord and attachment plug.

Incandescent lamps not included.

	Each
No. 1010—Height over all 17 ins	$14 25

One in carton; wt each 2 lbs.

ORNAMENTAL METAL CANDLE STICKS

Ornamental metal base and stem; decorated with glass tear drops; white fibre candle.

Height over all 17¼ inches; 6 inch base.

	Each
No. 704BG—Blue with gold trimmings, amber crystal	$35 25
No. 704SG—Silver with gold and blue trimmings; clear crystal glass	39 60
No. 704BLR Bronze with blue trimmings; amber crystal	35 25

Carefully wrapped and boxed; wt complete 8 lbs.

ELECTRIC PORTABLE LAMPS

Composition, base and stem; artistically hand painted natural colors; white fibre candle. Complete with 6 feet cord and attachment plug; height 16½ inches; base 4½ inches. **Incandescent lamp not included.**

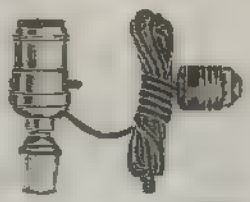
	Each
No. 607-CRG—Roman gold finish	$10 20

Carefully wrapped and boxed; wt complete 2 lbs.

CANDLE STICK ATTACHMENTS

LENOX

Especially designed to convert any candlestick into a neat electric lamp. Wired with push button socket. Complete with expandable rubber cork, 6 feet cord and attachment plug.



	Each
No. CS-B—Brush brass finish	$3 30
No. CS-N—Nickel plated finish	3 30

One in cardboard box; wt each 1½ lbs

	Each
No. 75-9M—**Base only**, hardwood, hand rubbed mahogany finish; height 9 ins. Complete with key socket, 6 feet cord and attachment plug	$3 30
No. 88S—**Shade only**, round; blue pleated silk, rose silk lining; diam 8 ins	3 30
No. RBS—**Shade only**, round, rose pleated silk, blue silk lining, diam 8 ins	3 30
No. GBS—**Shade only**, round, gold pleated silk, rose silk lining; diam 8 ins	3 30

One in carton; wt complete 2½ lbs.

CANDLE STICKS

Decorative composition base, antique gold dust finish, silk shade. Complete with one keyless socket, 6 feet of lamp cord and attachment plug.

Height over all 11¾ inches; diameter base 4 inches.

Incandescent lamp not included.

	Each
No. 632-54BR With No. 54BR shade, blue silk with rose silk lining	$6 75
No. 632-54GG With No. 54GG shade, gold silk with gold silk lining	6 75
No. 632C Candle stick only, without silk shades	4 65

One in carton; wt each 2 lbs.

INDIAN MAID

Finished in natural colors with red light in base which gives camp fire effect thru imitation logs. Red lamp in base included as regular equipment. Complete with 6 feet of lamp cord and attachment plug.

	Each
No. IM—Height 15 ins; diam base 8 ins	$8 70

One in carton; wt each 6 lbs.

SPOT LIGHTS

"Leader" Spotlight

A trouble lamp and spotlight combined—it's the low-priced, good light that motorists want.

Detachable for use as trouble lamp

Knurled Handle

4K8212 — All brass body, 4½ in. diameter reflector finished in enamel to withstand weather, with ring for carrying, and 2 brackets for use as trouble lamp complete with 21 c. p. 12 volt bulb and good length of cord. 1 in carton. Each **$1.29**

COMBINATION SPOT & TROUBLE LAMPS

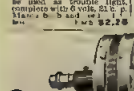
"Ezee" brand body 4½ in. diameter, resisting metal finish—waterproof with bayonet socket, fixed bracket for use as trouble lamp, complete with 6 volt, 21 c. p. bulb and 6 ft. cord. 1 in carton. Each **$1.85**

4K8307 — All metal, 4½ in. Each **$1.95**

4K8230 — Auto Ray, 4½ in., black enameled finish, nickel trimmed combination spot and trouble lamp, handle and waterproof switch, detachable lamp can be used as trouble light, complete with 6 volt, 21 c. p. Mazda bulb and cord. 1 in carton. Each **$2.75**

4K8231—"Ray," 6 in. body enameled black on steel, trim combination head rubber handle with switch, lamp can be used as trouble light, complete with 6 volt, 21 c. p. Mazda bulb and cord. 1 in carton. Each **$2.75**

4K8727 — Anderson's Auto Needle Type, 6 in. handle, nickel trimmed, 6 in. flexible cable lamp combined, black enameled brass lamp trimmings, 6 in. flexible 12 ft. cord with attached cigar lighter complete with trouble light, Furnished complete with 6 volt, 21 c. p. Mazda bulb and cord. 1 in carton. Each **$2.75**



4K8720 — Auto Ray, 4½ in., black enameled finish, nickel trimmed combination spot and trouble lamp, handle and waterproof switch, detachable lamp can be used as trouble light, complete with 6 volts, 21 c. p. Mazda bulb and cord. 1 in carton. Each **$2.75**

DRUM SPOTLIGHT

4K8711 — Brass nickel finish throughout, beautifully black enamel finish, Furnished complete with 6 volt, 21 c. p. bulb and four feet of cord. Complete in carton Each **$2.75**

Complete With Open or Closed Car Car Brackets

"DELTA" INSIDE CONTROL SPOTLIGHT

4K8232—6 in. diameter, heavy gauge brass body, triple silver plated reflector, push and pull switch built into handle. Installed through lower part of windshield frame. Complete with 21 c. p. single contact Mazda bulb, cord holds and suds for attaching. 1 in carton. Each **$3.75**

THE DELTA IS AN IDEAL TYPE OF THE WINDSHIELD

"INSHIELD" SPOTLIGHT

4K8368 — 4½ in. diameter, heavy nickel plated reflector, triple plated reflector, with [illegible] complete with 21 c. p. Mazda bulb and cord. 1 in carton. Each **$5.25**

— Lots of 6, Each **$4.85**

"CLYMER" WINDSHIELD SPOTLIGHT

4K8369 — [illegible] simple, door mounted [illegible] Complete with 6 volt, 21 c. p. Mazda bulb and cord. 1 in carton. Each **$3.75**

"STOVER" TAIL-STOP SIGNAL

4K8725—Wilcox Bromo plate, bracket to fit Buick, Chevrolet, Essex Hudson, Oakland, Oldsmobile Overland and Willys-Knight. Each **$2.25**

4K8726 — [illegible] Each **$2.35**

RUNNING BOARD LANTERNS

4K8209 — [illegible] Each **$4.00**

DASH AND TROUBLE LAMP

Brass, nickelized plated, 6 volt, 6 c. p. bulb, extra long socket and 10 ft. of cord which can be [illegible] making an ideal trouble lamp, can be used

4K8315—Single contact

4K8316—Double contact. Set **$1.10**

STOP LIGHTS

4K8274 — [illegible] Each **$2.25**

4K8212 — [illegible] Each **$2.25**

"HANDY" COMBINATION LAMP

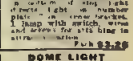
4K8279 — [illegible] Each **$1.25**

4K8318 — Combination stop signal, tail lamp and license bracket 4½ in. face, 13½ in. bracket for use on cars with [illegible] Each **$2.85**

"OUTLOOK" STOP AND TAIL LIGHT

4K8315—4½ in. high 3½ in. wide, as base, combination tail light and stop light, made on an entirely new principle, mounted on heavy [illegible] Each **$2.25**

DOME LIGHT For All Cars

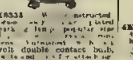


4K8309 — Round brass base, 4 in. diameter, nickeled and hand polished 2 in. frosted [illegible] Each **75c**

"BULL PUP" DASH LAMP

4K8313—Brass, nickel plated 6 volt, double contact 6 c. p. bulb, self-contained [illegible] switch. 1 in box Each **$2.**

PARKING LAMP



4K8331 — [illegible] Each **85c**

SPOTLIGHT BRACKET

4K8303 — [illegible] Each **$1.85**

"BOYCE" MOTOMETERS

4K8420 — 3½ dgt., 4 in., for small cars, Ford, Chevrolet Overland, etc. Per [illegible] Each **$2.25**

4K8421 — Special model for Fords, 4 in. [illegible] rubber cap of highest [illegible] Each **$2.50**

"Aristocrat," with nickeled bar cap that looks, crystals on each end of cross bar under which owner's initials can be inserted

4K8426—For Ford [illegible] Each **$2.25**

4K8427—For Chevrolet [illegible] **$.50**

4K8428—For Overland [illegible] **$.50**

4K8423—Universal, 5½ in., heavy construction, beveled glass [illegible] Each **$5.85**

Lots of 10 Each **$.25**

Lots of 20 Each **4.75**

4K8424 — Standard, 6 in. high, give diminished, beveled glass, for big [illegible] Each **$7.50**

Lots of 10 Each **7.00**

Lots of 20 Each **6.50**

4K8425 — De Luxe, silver plated case 3 3/4x4 in. [illegible] Each **$11.25**

Lots of 10 Each **10.50**

Lots of 20 Each **9.45**

"MAZDA" AUTO BULBS

Mazda bulbs have been standardized to such an extent that over 90% of the demand for auto bulbs can now be supplied from these few numbers. If you limit your ordering to these, you're assured the smallest investment, the quickest turnover and the largest total profit on auto bulbs. Remember, all Mazda filaments are made of tungsten, the best material yet discovered for the purpose.

"MAZDA" B

The filament in all "Mazda" B lamps operates in a vacuum. All are the type C 6 with threads that they are globe shape and that the maximum diameter of the bulb is ¼ in. Packed 10 in carton.

Single Contact

Double Contact

6 to 4 volts, 2 c. p. For use in rear or instrument lamp.
4K9701 (Mazda No. 51) single contact..... Each 13c
6 to 8 volts, 2 c. p. For use in rear, instrument, stop, side or auxiliary head lamp
4K9702 Mazda No. 63 single contact } Each
4K9703—(Mazda No. 64 Double contact } 13c
12 to 16 volts, 2 c. p. For use in rear, instrument, stop, side or auxiliary head lamp
4K9704—Mazda No. 67 Single contact } Each
4K9705 Mazda No. 68 Double contact } 16c
6 to 8 volts, 4 c. p. For use in dome or panel lamps.
4K9706—Mazda No. 81 single contact Each 18c

"MAZDA"

Is the name of a service! It means that the manufacturers of these lamps have the advantage of the most recent findings of the Research Laboratories of the General Electric Company

"MAZDA" C

The filament in all "Mazda" C lamps operates in nitrogen gas. All are the type B 15 which means that they have a straight side and that the maximum diameter of the bulb is 1½ in. Packed 10 in carton

Single Contact

Double Contact

No. 1158

6 to 8 volts, 21 c. p. For use in head and spot lamp.
4K9708—Mazda No. 1159 Single contact ..... Each
4K9709—(Mazda No. 1160 Double contact..... } 28c
6 to 8 volts, 32 c. p. For use in head and spot lamp.
4K9710—(Mazda No. 1.28 Single contact..... } Each
4K9711 Mazda No. 1154 Double contact ..... } 38c
12 to 16 volts, 21 c. p. For use in head and spot lamp.
4K9714—Mazda No. 1141 Single contact } Each
4K9715— Mazda No. 114 Double contact } 28c
9 volts, 21 c. p. For use in head lamp. To be burned 2 in series on magnetic lighting system not equipped with resistance coil
4K9718—Mazda No. 1160 Double contact Each 23c
9 volts, 32 c. p. For use in head lamp To be burned 2 in series on magnetic lighting system not equipped with resistance coil
4K9719 (Mazda No. 1159) double contact Each 25c
18 to 24 volts, 27 c. p. For use in head or spot lamp
4K9717 (Mazda No. 1.46, double contact Each 29c

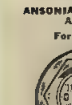
4K9218—(Mazda No. 1156) 6 to 8 volts, 21 and 32 c. p. for use in Ford head lamps. For car equipped with 6 cell lead type storage battery-generator lighting system car must be wired for 2 filament lamps Each 29c

All Mazda bulbs are repacked in unit packages, consisting of 10 lamps of one voltage, candle power, base, construction of filament, color, finish, size and type.

ACCESSORIES

ANSONIA AUTO CLOCKS

For all Cars



"Motoria"

4K9070 3 in. case heavy nickeled Ansonia movement of lantern type. Complete with bolts and nuts for attaching 1 in carton Each $1.05

"De Luxe"

4K9072—Base 3¼ in. diam., silver finish with nickeled case. Improved 30 hr. American movement. Complete with nuts and bolts for attaching 1 in carton Each $3.75

"PREMIER" AUTO CIGAR LIGHTER

4K9075 "Premier" cigar and cigarette lighter. Attaches to either dash or steering column clamp for attaching furnished with each lighter. Protective cover shielding red quick heating element. Broad lighting signal light automatically turned "on" and "off" by pulling lighter out of casing. Long cord to reach all occupants of 7 passenger car. 6 volts. 1 in pkg. Each $2.10

COMBINATION ASH RECEIVER MATCH BOX HOLDER AND CIGAR REST

4K9334—Combination ash receiver, match box holder and cigar rest. Brass construction nickel plated Size 2¼ in. wide 1¾ in high 1 in carton Each 70c

7 IN. GLASS VASE

4K9342—7 in. high amber frost matt finish very attractive assortment of brass, nickel and polished gold-plated mountings. Each with an assortment of 12 in box with excelsior for attaching Each 45c

7¾ IN. GLASS VASE

4K9343—7¾ in. high, brass mounted, beveled and etched flower and scroll pattern, amber finish for gasolene, complete with screws for attaching. Each wrapped in carton. Each $1.25

REAR VIEW MIRRORS

Fits all cars—Opened or closed

An accessory that this motorist simply must have. Give him a chance to get one at a lower price than ever before.

"Universal"

Clear beveled plate, glass, set in heavy nickel plated bracket, fits any open or closed car. Each mirror wrapped in tissue paper and packed in corrugated paper carton

4K9250—Size 5x7 Each $0.60

4K9251—Size 6½x8 Each .80

"OUTLOOK" REAR VIEW MIRROR

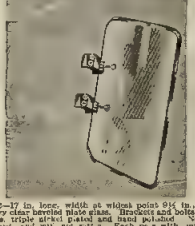
For Sedans and Coupes

Bevel edge, clear flawless, baked with silver instantly adjusted to any direction without set screws, held firmly in position by permanent tension of nickel plated holder 1 in carton.

4K9263 3x7 in. Each $1.95

4K9264—3x10 in. Each $2.25

WINDSHIELD WINGS

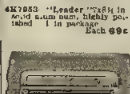


4K7642—17 in. long, width at widest point 9¼ in., extra heavy clear beveled plate glass. Brackets and bolts are of brass, triple nickel plated and hand polished. Nothing to rust and will not rattle. Each pair with universal brackets for all cars packed in shipping carton Pair $6.25

STEP PLATES

For all light cars with narrow running boards, including 1924 Model Ford Cars.

4K7953 "Leader" 7x8¼ in. weight 4 lbs nom. highly polished 1 in package Each 69c



4K7954 High grade aluminum step plate with scraper. Sell in frame, 7¾x10¾ in. mat, weight complete 2 lbs. Each $1.00

RUNNING BOARD MATS

4K7940" 7¾ x 11 in., molded black rubber, metal washers embedded to hold screws, reinforced edge prevents breaking down 2 in pkg. Each 16c

4K9080—8x13 in. koko fiber, very durable, bound edges 3 in pkg. Each 80c

"KING BEE" STEP PLATES

Made of heavy gauge aluminum sheet with a tongue and groove back that will not bend down or break. A very high grade plate with fully polished complete with screws, nuts and washers. Frame at correct position, so water will drain off. Two plates come to a set, shape to fit car

4K7936—Plate, width 5¾ in. mat 9 x 7 in. Each 60c

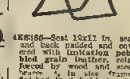
4K7937 Plate 7¾x10¾ in. mat 9x8¾ in. Each 75c

4K7938—Plate 8¾x11¾ in. mat 9 x8¾ in. Each 95c

"KLASSY MAT"

4K7946 "Klassy Mat" 11¾x19¾ in. extra fine grade of aluminum runs up and over outer edge, protecting paint and metal from scratches and dirt, has neat design of rocking carpet with rubber in black plate. Furnished complete with screws, plated screws ready to attach 1 in pkg. Each $1.25

FOLDING AUTO CHAIR



4K8186—Seat 12x11 in. seat and back padded and covered with imitation pebbled grain leather, reinforced by wood and steel frame. It is also frame, finished in dull black size closed 30x22½ in. 1 in pkg. Each $2.25

SPOTLIGHTS and STOPLIGHTS

COMBINATION SPOT AND TROUBLE LAMPS

All have brass body, 4½ in. silvered reflector, waterproof switch in handle, cast bracket detachable from bracket for use as trouble lamps. Complete with 6 volt, 21 candle power tipless bulb, 3½ ft. of cord.

"Challenge" Spot Light

First quality spotlight that will give entire satisfaction.

4K8302 All brass body 4½ in. silvered reflector, black enameled body, baked on, nickeled trimmings, positive switch. Complete with 21 c. p. tipless bulb, good length cord and combination open or closed car bracket. 1 in carton.

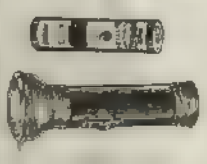
Each **$1.15**

Knurled Handle

4K8312 — "Leader," black enameled body, baked on, nickeled trim. 1 in carton.

Each **$1.29**

AUTO FLASHLIGHT



7 in. long, 1¾ in. diameter, black corrugated fiber case, full nickeled rim, octagon lens ring to prevent rolling; safety shut-off. Fully guaranteed.

4K8247 — Complete with battery, in carton.

Each **$1.10**

4K8248—Extra 2-cell battery. Each **19c**

4K8306 — "Big Value," black enameled body, baked on, nickeled trim. 1 in box.

Each **$1.55**

Hard Rubber Handle

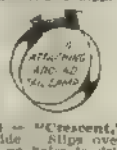
4K8230 "Auto Ray," black enameled body, baked on, nickeled trim, combination hard rubber handle. 1 in box.

Each **$2.35**

STOPLIGHTS

Black enameled body, nickeled brass rim. Pressure on brake automatically lights bulb. Complete with bulb, all wires for attaching and complete directions.

4K8274—5½ in. high over all, 4 in. head-in ruby lens, guaranteed pull wire. 1 in box. Each **85c**



4K8210 — "Crescent," 4½ in. wide. Slips over tail lamp, no holes to drill, no screws, no bolts. Metal bands hold rubber, make of tail lamp. 1 in carton.

Each **$1.18**

"CHECK-LITE"

4K8275—"Check-Lite," indicator light for dash tells instantly whether the stop signal is flashing a warning or not protects from danger of burned-out bulb, loose wires, broken connection or defective switch operating the stop signal. Easy to install—nothing to get out of order. 1 in box. Each **75c**

"BULL PUP" DASH LAMP

4K8313—Brass, nickel plated, 6 volt, double contact 2 c. p. bulb, self-contained turn-switch. 1 in box. Each **30c**

PARKING LAMP

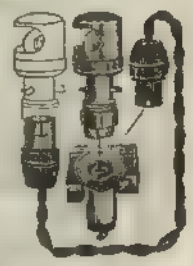
4K8335 — Well constructed brass body nickel plated parking lamp, popular size 2½ in. white crystal front lens. Furnished with six volt double contact bulb, bolts and nuts for attaching. 1 in carton. Each **60c**

PUSH AND PULL SWITCH

4K8317 Heavily nickel plated, highly polished latest design and easy to install by drilling one ½ in. hole in dash.

1 in carton..... Each **18c**

DASH AND TROUBLE LAMP



4K8315—Brass, nickel plated 6 volt, 2 c. p. bulb extra plug socket and 10 ft. of cord which can be attached to dash lamp socket making an ideal trouble lamp. 1 set in box. Set **$1.10**

"JEWEL" PARKING LAMPS

Solid aluminum casting, red and white jewel lens fastened under front with lock washer and nut. Complete with 2 c. p. 6-8 volt single contact bulbs.

4K8336 — Black enamel nickel trim. Each **80c**

4K8337 — Nickel plated highly polished Each **90c**

SPOTLIGHTS

4K8304 "The Duke," 4½ in. brass flange, dark enameled body, nickeled trim, lock ring, complete with bulb, bracket and Grover Stevens switch in body of cord. For use with 6 volt 21 c. p. tipless bulb and 6 ft. of cord. 1 in carton.

Each **$3.85**

4K8305 "Clipper," 5 in. reflector, black enameled shell, polished gray metal rear bracket for inside mounting, rear switch operated from inside of car, complete with 6 ft. of cord. The Clipper spotlight is the latest in the line in simple, does not require waterproof. As ached through the windshield. To retail at $12.00. 1 in carton..... Each **$8.00**

OUR TERMS

2% 10 Days
Net 30 DAYS
Net 60 Days

"STOVER" STOPLIGHT

Cold rolled steel body, fluted stop lens, corrugated tail light lens, fully guaranteed. 1 in carton

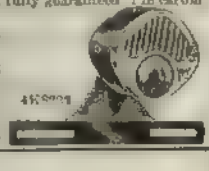
4K8225

⇐ Without License Plate

4K8225—Without license plate, bracket to fit Buick, Chevrolet, Essex, Hudson, Oakland, Overland and Willys Knight. Each **$2.25**

With License Plate ⇒

4K8226—Furnished with license plate and fits all cars except those listed above. Each **$2.35**



4K8221

GENUINE "MAZDA" BULBS

You can supply 90% of all demands for bulbs with these few numbers in stock. All "Mazda" filaments are made of tungsten, the best material yet discovered for the purpose.

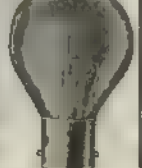
Tail and Dash Lamp Bulbs
Improved tungsten vacuum type bulbs.

Single Contact — Double Contact
4K8304 4K8305

Headlight Bulbs—Gas Filled

Single Contact — Double Contact
4K8715 4K8716

"Twelite" Bulb Gas Filled



For Fords
4K8718

Mazda No.	Contact	Description	Voltage	C. P.	Type	Each
4K8702—	63	Single	Rear & Dash	6 to 8	2	63	$0.14
4K8703—	64	Double	" "	6 " 8	3	93	.14
4K8704—	67	Single	" "	12 " 16	3	631	.17½
4K8708—1129		Single	Headlight (gas filled)	6 " 8	21	911	.24½
4K8709	1130	Double	" (")	6 " 8	21	811	.24½
4K8713	1153	Double	" (")	8	27	811	.28
4K8714—1141		Single	" (")	12 to 16	21	811	.28
4K8715—1142		Double	" (")	12 " 16	21	811	.28
4K8716—1158		Double	Headlight and dimmer in one unit for Fords 4 c. p. and 21 c. p., type 811. Gas filled				6 to 8 volts Each	.31½

Be Sure Your Order Includes Some

"Gorilla" Tires

They are Listed On Page 181

BOYCE MOTOMETER

4K9420—Midget, 4 in. for small cars such as Ford Chevrolet. Oakland etc. Each **$2.62**
10 or more, Each **2.45**

4K9421—Special model for Fords, 4 in. set in dark nickel cap of higher grade. Each **$3.00**
10 or more, Each **2.80**

4K9419 — Special model for Fords, "Midget" model motometer mounted on handsome locking nickel plated radiator cap. 1 in pkg. Each **$3.00**
10 or more " **2.80**

"Aristocrat" with nickeled base in place of one of the bar supports which can be furnished if so ordered.
4K9426—For Fords. Each **$6.25**
4K9427—For Chevrolet. Each **$6.50**

4K9425—Universal, 5½ in., heavy construction, beveled glass. Each **$5.63**
10 or more, Each **5.25**

4K9424 Standard, 6 in. high, gloss enameled beveled glass, for high priced cars. Each **$7.50**
10 or more, Each **7.00**

BOYCE MOTO-METERS

DE LUXE MODEL

For Big Cars

Has triple nickel plated frame, with beveled crystals both front and rear. The broad column of indicating fluid is visible at a distance. Equipped with a Schlaich chain lock, protecting the instrument from theft and damage.

A special nameplate which may be chosen by the purchaser from a long list of attractive designs, including initials, club insignia, fraternal emblems, and car nameplates, is supplied upon request in exchange for the postcard which is packed with each De Luxe model instrument.

Each

No. DL—3⅜ in. diameter, 5¾ in. high over all, ½ in. diameter of temperature tube $15.00

Weight Each About 1¼ Pounds.

STANDARD MODEL

Nickel plated, beveled crystals both front and rear, special nameplate provided as explained above.

Each

No. SN—3⅜ in diameter, 5½ in. high over all $10.00

Weight Each About 1 Pound.

UNIVERSAL MODEL

For use on passenger cars of medium size. Beveled crystals both front and rear, finished in highly polished nickel with black dial.

Each

No. U—3 in. diameter, 5 in. high over all $7.50

Weight Each About ¾ Pound.

NEW MIDGET MODEL

Made for use on small cars. Just as accurate as larger models. Heavily nickel plated frame, beveled crystals, readable temperature tube.

Each

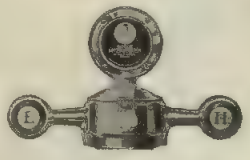
No. M—3¼ in. wide, 4½ in. high $3.50

Weight Each About ⅝ Pound.

Note—Special motometers may be had for Overland cars having oval radiator caps. These will be supplied in the Universal and Midget models only at the same price.

BOYCE MOTO-METERS

ARISTOCRAT MODEL



Boyce motometer, bar cap and theft proof lock all in one. Initials to insert in bulls eyes at end of cap supplied. Nickel plated highly polished bar and cap. 7¼ in wide, 4¼ in. high

Each

Aristocrat—For Ford, with Ford name plate $7.00

Aristocrat—For Star, Chevrolet, Maxwell, Overland and Gray, with car name plate 7 50

Note—The Aristocrat cap for the cars mentioned above is complete with insert to fit these cars.

SPECIAL MODEL FOR FORD CARS

Consists of a Midget model Boyce moto-meter mounted on a handsomely designed locking radiator cap, complete unit is nickel plated.

An article of great utility as well as beauty for the Ford Car.

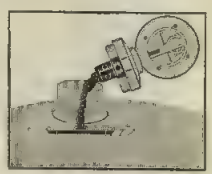
Each

No. Special—4½ in. wide, 4¼ in. high, weight each 9½ oz. $4.00

One in a Carton.

MOTO-METER LOCKS

SCHLAICH



For All Types of Moto-meters

Made of case hardened steel, rustproof and will not rattle, steel chain.

Each

No. 2—⅝ in., Standard and Universal $1.80

No. 3—⅞ in., Junior, Ford, Midget 1.80

No. 4—Special Overland types 1 50

One in a Carton

AUTOMOBILE CLOCKS

12 day wind, regulator on dial between numerals 1 and 3.

Black and nickel finish, etched metal and non-glaring dial, twelve day, rim wind, rim set.

	Each
Manhattan—2¾ in. dial, 3 in. base, 3¾ in. cowl, 1½ in. long behind ring	$15.00

Weight each about 1½ lbs.

One in a Carton

12 day wind, regulator on dial between numerals 1 and 3.

Black Jacquered finish, rim wind, rim set, eight day clock; silver dial, black numerals.

	Each
Detroit—2¼ in. dial	$11.50

Weight each about 1½ lbs.

One in a Carton

TACOMA

Stem wind and stem set, easily and quickly installed by drilling a ⅜ in hole, all nickel finish, white dial with black numerals, regulator on back of clock.

	Each
Tacoma—Weight each 4 oz.	$2.50

Installation—Drill ⅜ in. hole and insert bolt, space required on instrument board 1⅝ in., length of stem 1⅝ in.

One in a Carton.

AUTOMOBILE WHISTLES

B. & B.

Adjustable Tone

Tri-Tone

Designed for use on any car or truck, cast aluminium bowl, highly polished nickel plated tone shutters, cast bronze valve, nickel plated steel valve stem.

	Each
B. & B. Adjustable Tone—6¼ in. high over all, with adjustable shutters	$8.50
B. & B. Tri-Tone—7 in. high over all; produces a harmonious blending of three tones similar to the tones of a pipe organ	5.00

Weight each about 12 oz.

One in a Carton

Note—Give outside diameter of exhaust pipe between muffler and motor

EXHAUST SIGNAL

AERMORE

Consists of four brass tubes built on the pipe organ principle, heavily nickel plated, solid steel core, malleable iron fittings. Each tube sounds a different note, in unison produce a harmonious chord.

With Hand Control

	Each
No. 00 22 in., complete, especially designed for large touring cars, motor busses and other high power engines	$14.50
No. 0—17 in., complete for cars 40 h. p. or over	12.50
No. 1—15 in., complete for medium size cars and light tractors	10.50
Ford Special Outfit—13 in., complete	7.50

Prices up to 8 in. include valves, valves 8 in. and larger add $1 75 to list price.

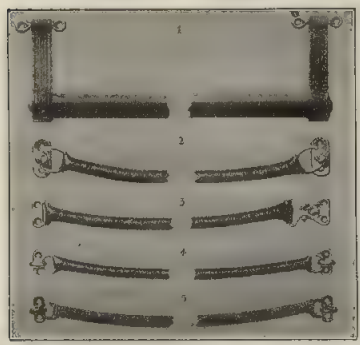
Weight each about 12 oz.

One in a Carton

Note—Give outside diameter of exhaust pipe between muffler and motor.

Get Your Share of Business on These

ROBE RAILS



Solid Oak, Straight Rail. Leather Covered with Substantial Heavy Leather. 3½ Inch End Straps.

	Each
No. 1A—Ford Rail, 25 Inches Long	40c
No. 1B—Standard Rail, 28 Inches Long	60c

Flexible Sash Cord Covered with Leather. 30 Inches Long.

	Each
No. 2A—Black Genuine Leather	70c
No. 2B—Black Imitation Leather	50c
No. 2C—Brown Spanish Leather	55c

Flexible Sash Cord Covered with Leather and Equipped with Detachable Fasteners. 30 Inches Long.

	Each
No. 3A Genuine Black Long Grain Leather	60c
No. 3B Heavy Black Art Leather	40c
No. 3C—Heavy Brown Spanish Art Leather	40c

For Backs of Individual Seats, made of Heavy Sash Cord, Leather Covered and Equipped with Detachable Fasteners, 30 Inches Long.

	Each
No. 4A—Genuine Black Long Grain Leather	60c
No. 4B—Heavy Black Art Leather	40c
No. 4C—Heavy Brown Spanish Leather	40c
No. 4D—Ford Sedan Black Art Leather	30c

For Backs of Individual Seats, made of Heavy Sash Cord, Cloth Covered End with Black End Fasteners. 20 Inches Long.

	Each
No. 5A—Ford Sedan Whip Cord Cover	30c

REAR VIEW AUTO MIRROR

Special Value

Adjustable Bracket Black Japanned

Plate Mirror Beveled—Held Rigid by Double Clamp

Size 2½ x 7 Inches

An Inside Mirror for Closed Cars. **Finest Quality Plate Mirror with Non-glare Slanting Bevel. Has Fully Adjustable Steel Bracket.** Furnished Only with Style Bracket Shown.

		Each
No. 700—Size 2½ x 7 Inches	Lots of 1 to 12	$.85
	Lots of 12 or More	.80
	Lots of 25 or More	.77

VERY SPECIAL *Any Quantity 47 Cents Each*

One in a Carton. Weight About ½ Lb.

BOYCE MOTO-METERS

Indicates heat of motor, lack of water, lack of oil, or heat congestion anywhere in engine. Warns driver when car needs attention. Fits any radiator cap. Easily attached.

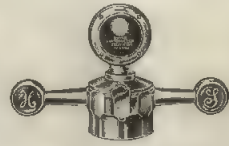
De Luxe

Standard

Universal

	Less than 10	Single Orders 10 or more	20 or more
No. "DeLuxe"—For high-grade passenger cars. Silver-plated case. With Schlaich Lock	$11.25	$10.50	$9.45
No. "Standard"—Black Enamel. Beveled Crystals. 5½ inches	7.50	7.00	6.30
No. "Universal"—Smaller than Standard Beveled Crystals. 5 inches	5.63	5.25	4.73

Special Ford



Ford Aristocrat

Midget

	Less than 10	Single Orders 10 or more	20 or more
No. "Special Ford"—Complete with radiator cap. Nickel Rim. 4 inches	$3.00	$2.80	$2.52
No. "Ford Aristocrat"—Midget Model Mounted on Schlaich Cap Lock with Spaces for Initials at ends of Arms. Sizes, 7¼ x 4¼ Ins.	5.25	4.90	4.41
No. "Midget"—Designed for small or light cars such as Maxwell, Chevrolet, etc. 4 ins.	2.63	2.45	2.21

NEW MODEL

BOYCE MOTO METER

Special for Ford Cars

A New Model Boyce Moto-Meter, Special for Ford Cars. It Consists of a Midget Model Securely Mounted on a Handsomely Nickeled Theft Proof Cap, which Fits the Ford Radiator Neck.

It Adds a Touch of Distinction to the Car, Besides Being Practical in Telling the Condition of Motor at All Times.

		Each
No. Ford—Retails $4.00 Each	1 to 9	$3.00
	10 or More	2.80
	20 or More	2.52

One in a Box.

An Ideal Gift!

Price
$3.50 to $15.00

An Ever-visible and Lasting Reminder of your Thoughtfulness

THE MOTO-METER COMPANY, INC.
LONG ISLAND CITY, N. Y.
THE MOTO-METER COMPANY OF CANADA, LTD., Hamilton, Ontario.

BOYCE MOTO-METERS

The **Boyce Moto-Meter** is a motor heat gauge, attached to the radiator cap of automobiles, trucks or tractors, it accurately registers condition in which gasoline motor is operating by registering the temperature of the vapor directly above the water in the radiator. As the water in the bottom of the radiator is several degrees cooler than at the top, the temperature of the air over the water represents the average temperature of the entire cooling system, rather than just one part of it. Therefore the **Boyce Moto-Meter** gives an accurate reading irrespective of the quantity of water in the radiator. Under normal conditions no modern automobile engine will overheat. It is only through negligence in applying water and oil, or the breakdown or failure of operation in some of the parts of the engine, that causes overheated engines, with the consequent damage.

De Luxe

Standard

Universal

De Luxe Model with Thief-Proof Lock

Has a triple nickel plated frame, with beveled crystals both front and rear, a broad column of indicating fluid easily visible even at a distance, and is equipped with a Schlaich Chain Lock, protecting the instrument from both theft and damage.

A special nameplate which may be chosen by the purchaser from a long list of attractive designs, including three engraved initials, club insignia, fraternal emblems, and car nameplates, is supplied upon request in exchange for the postcard which is packed with each De Luxe Model instrument

De Luxe Model 5⅜x3⅜ inches; weight each packed in carton 1½ pounds.....Each **$15 00**

Standard Model

A perfect heat recording instrument of the highest type with extremely broad ribbon-bore thermometer tube. Because of its perfection of workmanship the Standard model has been selected as regular equipment on America's leading cars.

This model is supplied in an all-nickel finish, or in black enamel with nickel retaining rings. It has beveled crystals both front and rear. Special nameplates are provided without extra charge in exchange for the "Free Nameplate" post card packed with each instrument

The Standard Model Boyce Moto-Meter is inexpensive insurance for any car It will save its cost many times over by preventing expensive repairs. Size 5½x3⅜ inches, weight each packed in carton 1 pound

Standard Model—Black enamel with nickel retaining rings .....Each **$10.00**
Standard Model—All nickel finish .Each **10.00**

Universal Model

This attractive instrument is especially for use on passenger cars of medium size.

Though slightly smaller than the Standard Model, it fulfills the same functions with the same high standard of efficiency.

The Universal Model has beveled crystals both front and rear. The frame of the instrument is finished in a durable highly polished nickel

Universal Model—5x3 inches; weight each packed in carton 12 ounces.....Each **$7.50**

Junior

Midget

Ford Special

Junior Model

The Junior Model Boyce Moto-Meter is a durable, accurate instrument, embodying all the features of the larger models. It has a heavy nickel plated frame, and the same temperature range as the larger instruments.

Junior Model—4⅞x3 inches; weight each packed in carton 8 ounces .....Each **$5 00**

Midget Model

This attractive instrument has a distinct appeal to every small car owner. Its high standard of efficiency, as well as its accuracy have made it one of the most popular instruments in the line.

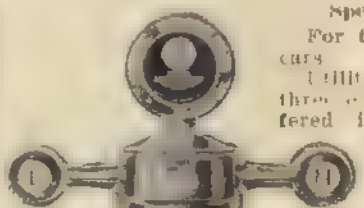
A heavily nickeled frame with beveled crystals, make it as well as a useful addition to any car.

Midget Model .....Each **$3 50**

Special for the Ford Model

Consists of a Midget Model Boyce Moto-Meter mounted on a handsomely designed locking radiator cap; complete unit is nickel plated, and offers an article of great utility as well as beauty for the Ford car.

Ford Special—Width 4⅜ inches; 4¼ inches high; weight 9½ ounces .....Each **$4 00**



Special Aristocrat Model

For the Ford and other small cars

Utility beauty and protection—three elements combined—are offered in the Aristocrat Model Boyce Moto-Meter.

Note—Aristocrat Models are furnished with the nameplate of the car. Specify for car desired

A genuine Midget Model Boyce Moto-Meter mounted on a handsomely designed locking radiator cap, and the complete unit nickel plated and assembled ready for installation. The purchaser may add a touch of individuality by inserting initials or club insignia back of the bulls eyes in either end of the cap. Two of the special initial plates are furnished gratis in exchange for the "Free Nameplate" post card, packed with each instrument.

The Aristocrat Model Boyce Moto-Meter for Chevrolet, Maxwell, Overland, Star and Gray is furnished complete with adaptors for these cars. No adaptors are necessary when installing on the Ford

While the Midget Model Boyce Moto-Meter is regularly furnished with the Aristocrat, the hole in the cap is sufficiently large to permit the use of the Universal Model without interference from the stem of the instrument in opening the cap. Those desiring the larger instrument can have change made by dealer at a slight additional cost.

Complete with adapter and special dial or name plate showing the monogram or name plate of the car it is to be used on, ready to install.

Aristocrat Model—For Ford cars .....Each **$7.00**
Aristocrat Model—For Chevrolet, Gray, Maxwell, Overland and Star cars.....Each **$7.50**

RADIATOR CAPS

MONOGRAM

Makes motor heat indicator or ornament thief-proof; screws on, no tools needed; cap, motormeter or ornament cannot be screwed off except by using shop tools and considerable time, or by turning radiator upside down; protects from carelessness; permanently attached, heat indicator or ornament cannot be mislaid, dropped or stepped on during filling; has steam tight, water tight multiplex gasket, which, when hinged cover is latched, provides resistance, effectively preventing any turning of the cap from its proper position.

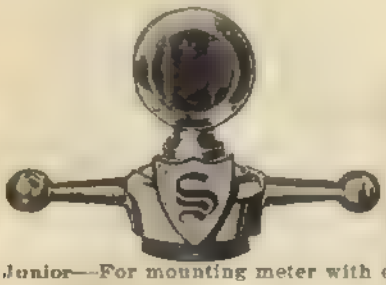
Hinged for quick, easy filling; no unscrewing, no keyes, no threads to cross or strip, no delays or inconvenience just a push of thumb opens or closes it in two seconds. The heaviest gloves make no difference, it is a wonderful time and trouble saver in winter, no danger of burning fingers from hot radiator; nothing to jamb or work loose; remains in position at all times regardless of vibration; attaches instantly without tools.

Senior Model

Heavily nickel plated complete with standard finish shield (black finish with white background).

Note—Eight numbers of Senior caps fit about 95 per cent of all popular cars

Senior—For mounting motormeter with standard stem ⅝ inch diameter .....Each **$6 00**
Senior—With adapter for mounting meter with larger stem diameter .....Each **$6 50**
Senior—With adapter for mounting meter with smaller stem diameter .....Each **$6 25**
Senior Adapter—For large stem meters.....Each **50**
Senior Adapter—For small stem meters.....Each **.25**



Junior Model

Heavily nickel plated, complete with standard finish shield (black finish with white background).

For Ford, Chev. 490, Gray, Overland, Star, Essex 24, Maxwell, Olds. 30, Chrysler, Stud. Light Six and Dodge.

Junior—For mounting meter with either ⅝ or ¾ inch stem diameter .....Each **$4.00**

Shields

A shield is furnished free with each cap. For emergencies where purchaser's choice of shield is not in stock a certificate can be substituted, which is sent direct to manufacturer, and proper shield is then sent to purchaser prepaid. Shields are furnished as above or blank for engraving without additional cost.

Shields or Certificates when Purchased Separately
Senior Shields or Certificates.....Each **$**....
Junior Shields or Certificates.....Each

Note—Always mention style of cap, name of car and kind of shield wanted when ordering.

AUTOMOBILE RADIATORS

McCORD TUBULAR

Type "T" for Ford Cars

Tubular construction because Ford, like many other of the largest and best known car makers, has always used it as standard equipment—and replacement. Tubular because this construction has always been first from the standpoint of durability and strength. The large tubes permit the passage of the greatest volume of water with the least possibility of clogging.

Strongest construction—The rows of continuous crosswise fins are soldered to the straight up-and-down tubes, giving a reinforced type of construction that withstands shocks and blows

Armored protection—The fins are reinforced by a turned edge on the front and the tubes are set back fully a quarter of an inch giving the maximum protection against injury.

Non-clogging water passages—Large unobstructed straight up-and-down water passage tubes—95 in all—no plugging or clogging from sediment or dirt

Rapid heat dissipation—The tubes are soldered to the continuous brass cross fins giving maximum cooling efficiency

Protected against corrosion—Each of the large straight tubes is full solder coated, inside and out—full protection against the action of chemical or mineral substances in water

Interchangeable shell—both shell and core are interchangeable with the present car equipment.

Easiest to repair—Tubular radiators are the simplest type to repair—ask the radiator repair man

Better resale value—A McCord tubular radiator is the same type of construction and similar in appearance to the original, making for a better resale value.

No. R117—Radiator complete; for cars 1916 to 1923; weight crated 36 pounds.....Each **$17.00**
No. R118—Radiator complete, less shell; for cars 1916 to 1923; weight crated 33 pounds.....Each **$15.75**
No. R119—Radiator complete, less shell, for cars 1924 and later; weight crated 36 pounds..... Each **$17 00**

One in a crate

AUTOMOBILE FAN BELTS

GATES VULCO CORD

For Ford Cars

Flat, endless; 10-ply vulcanized fabric; oil and heat proof and will not stretch; built to fit the pulley and will give exceptionally long service.

Note — Complete stock for all other cars.

Year	1911 to 1916	1917 to 1920	1921 to 1925
Nos.	811	812	813
Each	$0.50	.50	.50

AN ABSOLUTELY UNIQUE PERFORMANCE

CHILCOTT'S NOVELTY

And His Aerial Dog Wonders

An Amalgamation of Four Distinct Presentations

Divided into Two Entirely Different Acts

Act 1—Hoop Rolling and Remarkable Juggling

Act 2—A Striking Slack Wire Exhibition—Using Dogs trained to do aerial work, never before seen in the Annals of Showdom

EVERY ACT IN THIS CATALOG CONTROLLED EXCLUSIVELY BY WORLD AMUSEMENT SERVICE ASSOCIATION, Inc.

"SERVICE and SATISFACTION"

WORLD AMUSEMENT SERVICE ASSOCIATION Inc.
ECONOMY SERVICE CO-OPERATION

Originators of Extreme Novelties

BRODY AND DELAVAN

Two Entirely Distinct and Unusual Acts

Act 1—New Ideas in Hand and Finger Balancing that are Almost Beyond Belief

Act 2—Introducing, for the First Time in Gymnastics
A Comedy Perch Act with Startling New Feats

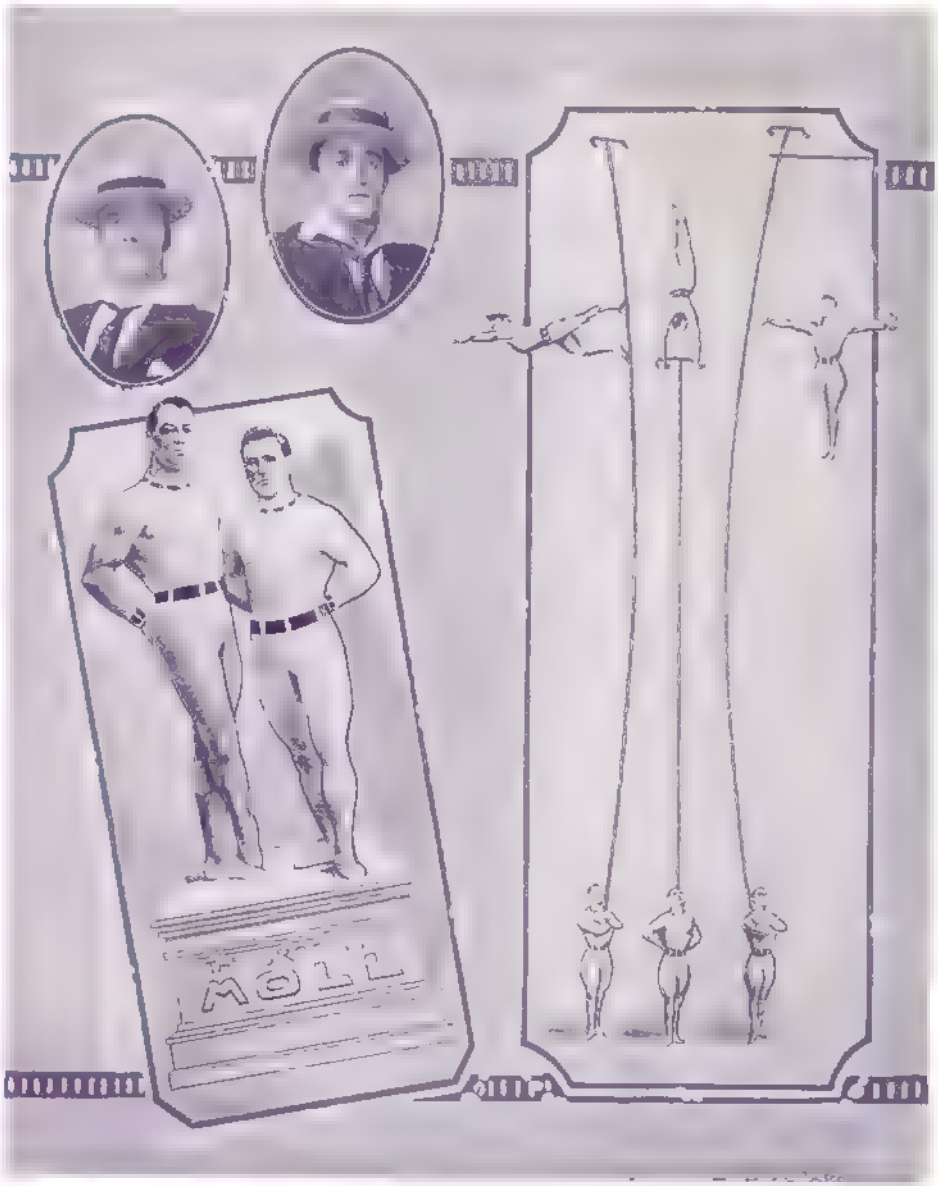
SUITABLE AND APPROPRIATE FOR ANY PROGRAM

EVERY ACT IN THIS CATALOG CONTROLLED EXCLUSIVELY BY **WORLD AMUSEMENT SERVICE ASSOCIATION, Inc.**
"SERVICE and SATISFACTION"

A SPLENDID FOREIGN OFFERING

BROTHERS MOLL

An Act That Has Amazed All Europe



Towering High in the Air, Most Wonderful Feats are Performed On the Very Tip of a Long Tapering Perch, Balanced on the Shoulders and Head of the Understander

AN ENTIRELY NEW APPLICATION OF ATHLETIC SKILL

EVERY ACT *IN THIS CATALOG CONTROLLED EXCLUSIVELY* BY **WORLD AMUSEMENT SERVICE ASSOCIATION, Inc.**
"SERVICE and SATISFACTION"

AMERICA'S GREATEST ACROBATIC ACT

• FOUR READINGS •

MIRACULOUS HAND TO HAND CATCHERS

THE WONDERFUL CLIMAX WHICH PRODUCES THRILLS GALORE

"THE NECK-BREAK DIVE" From a Height of 26 Feet

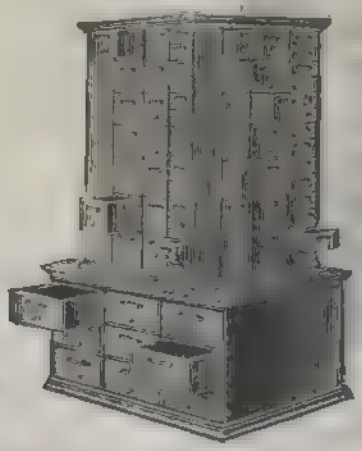
Traveling 14 Feet Through Space to a Hand to Hand Stand

ONCE SEEN CAN NEVER BE FORGOTTEN

THE CAP-SHEAF OF HUMAN PHYSICAL DARING

BOLT AND SCREW CASES

BROWN'S PERFECTION



Revolving Combination; made of good Tennessee oak, hard oil finish, plain, is the same as Nos. 40 and 80 shown in preceding column, except the corners are left square and filled in with small drawers for screws.

WITHOUT BASE, Mounted on a Block.

Height 50 ins; 24 ins square.

Each

No. 112—For bolts and screws, 112 drawers; 56 for bolts and 56 for screws; weight each crated 300 lbs.. ✦$143 25

No. 168—For screws only, 168 drawers, same size as No. 112; wt each crated 300 lbs..... ✦177 75

WITH BASE, Top Revolving.

Mounted on base, 30 ins square, 20 ins high; floor space 30x30 inches; height over all 69 ins.

Each

No. 130—For bolts and screws, 130 drawers; 74 for bolts and 56 for screws; 112 in revolving portion and 18 in base; wt each crated 480 lbs..... ✦$177 75

No. 200—For screws only, 200 drawers, same size as Nos. 130, 168 in revolving portion, 32 in base, otherwise same as No. 130; wt each 480 lbs..... ✦225 75

Drawers of 112 cases labeled as follows:
Washers, ¼, ⅝, ¾, 1.
Bolts, ¼x1, 1¼, 1½, 1¾, 2, 2¼, 2½, 2¾, 3, 3½, 4, 4½, 5.
Bolts, ⅜x1¼, 1½, 1¾, 2, 2¼, 2½, 2¾, 3, 3½, 4, 4½, 5, 6.
Bolts, ½x1½, 1¾, 2, 2½, 3, 3½, 4, 4½, 5, 5½, 6, 7, 8.
Bolts, ⅝x2½, 3, 3½, 4, 4½, 5, 6, 7, 8, 9, 10, 11, 12.
Screws, ½x3, 4, 5 (in one drawer).
Screws, ½x3, 4, 5, 6.
Screws, ⅝x4, 5, 6, 7.
Screws, ¾x5, 6, 7, 8, 9.
Screws, ⅞x6, 7, 8, 9.
Screws, 1x7, 8, 9, 10, 11.
Screws, 1¼x8, 9, 10, 11, 12.
Screws, 1½x9, 10, 11, 12, 13, 14.
Screws, 1¾x11, 12, 13, 14.
Screws, 2x11, 12, 13, 14.

This leaves 14 small drawers with blank labels which can be used for tire bolts or stove bolts, etc.

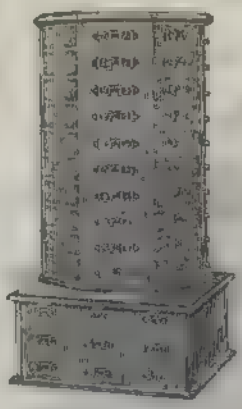
Drawers of 130 case labeled as No. 112 with additional drawers in the base as follows:
Washers, ⅝, ¾.
Bolts, ¾x5, 6, 7, 8, 9, 10, 11, 12.
Bolts, ¾x7, 8, 9, 10, 11, 12, 14, 16.

One in crate.

Note—Labels can be easily changed to any size desired—Special cases made to order.

✦F. O. B. Tennessee Factory Only.

BOLT CASES



AMERICAN

Revolving, Octagon Shape.

Made of poplar, cherry stained; metal drawers, with wood fronts, white porcelain knob on each drawer, top part revolves on base; the drawers are all provided with stops to prevent their removal from the case; each drawer holds a package of bolts of the size and number indicated on the front of the drawer.

Nos.	5-B	6-B
Drawers	98	104
Height, ins	60	65
Width, ins	30	30
Wt, lbs	375	400
Each	✦$321 75	✦348 00

One in crate.

No. 5B—Bolt case contains drawers labeled for the following sizes of bolts:

Carriage Bolts.

¼ inch—1¼, 1½, 1¾, 2, 2¼, 2½, 2¾, 3, 3¼, 3½, 3¾, 4, 4¼ 4½, 4¾, 5.
⅜ inch—1¼, 1½, 1¾, 2, 2¼, 2½, 2¾, 3, 3¼, 3½, 3¾, 4, 4¼, 4½, 4¾, 5, 5¼, 5½, 6.
½ inch—2, 2¼, 2½, 2¾, 3, 3¼, 3½, 3¾, 4, 4¼, 4½, 5, 6.
⅝ inch—2, 2½, 3, 3½, 4, 4½, 5, 5½, 6, 6½, 7, 8, 9, 10.
¾ inch—2, 2½, 3, 3½, 4, 4½, 5, 5½, 6, 6½, 7, 8, 9, 10, 11, 12.

Tire Bolts.

⅜ inch—1¼, 1½, 1¾, 2, 2¼, 2½, 2¾, 3.
½ inch—1¼, 1½, 1¾, 2, 2¼, 2½, 2¾, 3.
⅝ inch—2, 2¼, 2½.

No. 6B—Bolt case contains in addition to No. 5 the following drawers for carriage bolts:
⅜ inch x 7½, 8½, 9½.
½ inch x 7½, 8½, 9½.

Note—Numbers on bolt and screw cases changed to suit purchasers, without extra charge.

REVOLVO

(Formerly kown as Eclipse.)

Bins are made of annealed sheet steel. Each bin is hand riveted; stem is made of best steel tubing. Each section works independently of every other section and are hung on adjusted ball-bearings and turns with the same ease, whether full or empty.

Each section contains twelve compartments; each compartment 7 ins. outside, 12 ins. tapering to center; 6 ins. deep.

Nos.	63	64
No. of sections	3	4
No. of bins	36	48
Wt each, lbs	180	210
Each	✦$169 50	✦186 75

Nos.	65	66
No. of sections	5	6
No. of bins	60	72
Height, ins	64	76
Wt each, lbs	230	260
Each	✦$203 70	✦220 50

Nos.	67	68	69	70
No. of sections	7	8	9	10
No. of bins	84	96	108	120
Wt each, lbs	280	300	325	350
Each	✦$237 60	✦254 55	✦271 65	✦288 60

One in crate.

✦F. O. B. Ohio Factory Only.

SCREW CASES

AMERICAN

Revolving, Octagon Shape.

Made of poplar, cherry stained; metal drawers, with wood fronts, white porcelain knob on each drawer; top part revolves on base; the drawers are all provided with stops to prevent their removal from the case, each drawer holds a package of screws of the size and number indicated on the front of the drawer.

Nos.	1-$	2-$	3-$	4-$
Drawers	72	80	88	96
Height, ins	33	36	39	42
Width, ins	21	21	24	25
Wt lbs	125	125	130	130
Each	✚$157 50	✚178 50	✚195 00	✚210 00

One in crate.

No. 1$—Screw case contains drawers labeled for the following sizes of screws:

½ inch x 3, 4, 5, 6, 7.
⅝ " x 5, 6, 7, 8.
¾ " x 5, 6, 7, 8, 9.
⅞ " x 7, 8, 9, 10.
1 " x 6, 7, 8, 9, 10, 11, 12, 13, 14.
1⅛ " x 7, 8, 9, 10, 11, 12, 13, 14, 15.
1¼ " x 8, 9, 10, 11, 12, 13, 14, 15, 16.
1⅜ " x 9, 10, 11, 12, 13, 14, 15, 16, 17.
2 " x 10, 11, 12, 13, 14, 15, 16, 17, 18.
2½ " x 12, 13, 14, 15, 16.
3 " x 16, 18, 20, 22.

No. 2$—Screw case in addition to No. 1.

⅛ inch x 2, 3, 4.
¼ " x 4.
¾ inch x 4, 10.
⅞ " x 6, 11.

No. 3$—Screw case in addition to No. 1.

¼ inch x 1, 2.
⅜ " x 2, 3, 4, 5.
½ " x 4, 9.
¾ " x 4, 10.
⅞ inch x 6, 11, 12.
1 " x 15.
1¼ " x 16.
1¾ " x 18.

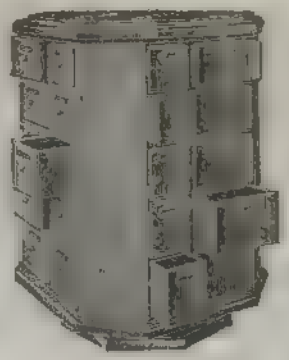
No. 4$—Screw case in addition to No. 1.

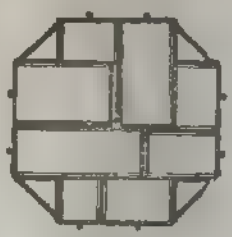
¼ inch x 1, 2.
⅜ " x 2, 3, 4, 5, 6.
½ " x 8.
⅝ " x 4, 9, 10, 11.
¾ inch x 4, 10, 11, 12.
⅞ " x 6, 11, 12.
1 " x 15, 16.
3¼ " x 15, 18, 20.

✚F. O. B. Ohio Factory Only.

BOLT AND SCREW CASES

BROWN'S PERFECTION





Revolving.

Made of oak, hard oil finish; will hold more bolts than other cases of same size, because the drawers are square, with no waste space at center, each drawer is labeled with size of screw or bolt, which it is intended to contain; each drawer will hold a full package of the size indicated; the case revolves easily, whether empty or full.

BOLT CASE

Forty drawers, height 37 ins; diam 22 ins.

	Each
No. 40—Wt each 180 lbs	✚$72 00

No. 40 bolt case, contains drawers labeled for the following sizes of bolts:

¼x1½, 1¾, 2, 2¼, 2½, 3, 3½, 4, 4½, 5.
⁹⁄₁₆x1½, 1¾, 2, 2½, 3, 3½, 4, 4½, 5, 6.
⅝x2, 2½, 3, 3½, 4, 4½, 5, 6, 7, 8.
½x3, 3½, 4, 4½, 5, 6, 7, 8, 9, 10.

SCREW CASE

Eighty drawers, height 37 ins; diam 22 ins; same as No. 40 except with smaller drawers.

	Each
No. 80—Wt each 180 lbs	✚$95 55

No. 80 screw case contains drawers labeled for the following sizes of screws:

¼ in. x 1, 2, 3 (in one drawer).
⅜ " x 2, 3, 4, 5.
½ " x 2, 3, 4, 5, 6.
⅝ " x 4, 5, 6, 7, 8.
¾ " x 6, 6, 7, 8, 9.
⅞ " x 5, 6, 7, 8, 9, 10, 11, 12, 13, 14.
1½ " x 5, 6, 7, 8, 9, 10, 11, 12, 13, 14.
1¼ " x 7, 8, 9, 10, 11, 12, 13, 14, 15, 16.
1½ " x 7, 8, 9, 10, 11, 12, 13, 14, 15, 16.
1¾ " x 9, 10, 11, 12, 13, 14, 16.
2 " x 9, 10, 11, 12, 13, 14, 16.
2,21 " x 14, 16.
3 " x 14, 16, 18.

One in crate.

✚F. O. B. Tennessee Factory Only.

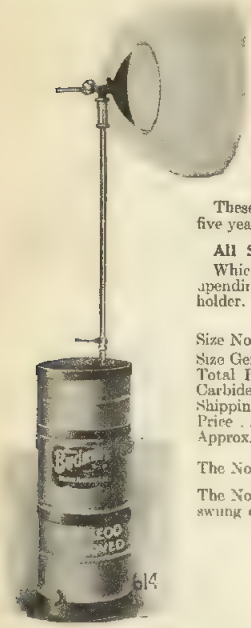


Fig. 614

Latest Improved Buckeye Carbide Lights

Figs 613-615

These lights embody every improvement made during an experience of twenty five years in the development and perfection of portable lights for construction work

All Standard Lights are Fitted with Ezyclean Carbide Holders.

Which prevent after generation of the gas, and are exceedingly easy to clean—no upending of tank to clean out the sludge, every thing comes away with the carbide holder.

Sizes and Prices

Size No.	613	614	615	616
Size Generator Tank	9x30	12x30	14x36	14x36
Total Height inches	66	72	78	78
Carbide Charge lbs.	5	8	12	16
Shipping Wt. lbs.	75	100	120	160
Price	$48.00	$72.00	$84.00	$112.00
Approx. Cp	3,000	5,000	8,000	15,000

The No. 616 is filled with a double Burner and Reflector.

The No. 613 is filled with a swivel joint just above the tank so the reflector can be swung down almost to the ground level.

Buckeye Lights

For Dredges, Cranes and Steam Shovels

No. 618 is fitted with hose as shown by the cut herewith. No. 617 has the same generator tank, except is fitted with a stand pipe like our standard types.

Generator Tank	14x36
Carbide Charge	16 lb
Shipping weight	140 lbs.
Price No. 617	$ 90.00
Price No. 618	100.00
Approx. Cp	10,000

All the above lights use ordinary commercial carbide. Do not have to use cake or other special carbide. Standard commercial carbide can be procured almost everywhere.

Fig. 618

Pyle-O-Lytes For Floodlighting

Types 1045
AC and AG

Types 1460
AC, AG, IC and IG

Types 1445
AC, AG, IC and IG

Pyle-O-Lytes are built in a wide range of styles and sizes to meet every floodlighting need; constructed of the finest materials, and of scientific design to give absolute control of the light. They can be depended upon to give continuous, uninterrupted service under all kinds of treatment and under all weather conditions. They are equipped with reflectors and lenses to give a long distance beam or a flood of perfect illumination.

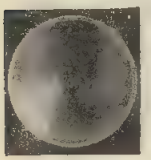
The units are of cast aluminum alloy, a new principle of floodlight construction, a material that is absolutely proof against weather, rust or the action of gases or acids. They are light in weight, easy to handle, and their life of usefulness is practically endless as compared with that of the ordinary short-lived sheet metal unit.

The Pyle-O-Lyte "NONGLARE" reflector—the heart of the unit is fully guaranteed to give lasting and efficient service, without blistering or discoloration. All Pyle-O-Lytes furnished with silver-plated copper or non-glare glass reflectors, as specified.

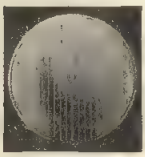
Pyle-National light control lenses represent tremendous advancement in light distribution methods. They make possible a wider range of devirgence, with assurance of even distribution and elimination of glare. The circular divergence lens accomplishes a very widespread dispersion of the light rays, the rectangular divergence lens forms the reflected and nonreflected light rays into a relatively flat rectangle, thereby conserving light which would ordinarily be lost.

Cab, Housing, or
Pilot Hou se Control

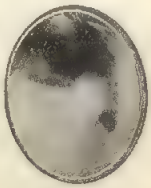
A device that enables the operator to control the light in any direction from within cab, housing or pilot house. May be used with any standard type of Pyle-O-Lyte.



Circular
Divergence Lens



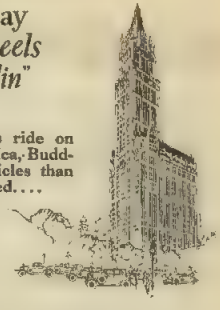
Rectangular
Divergence Lens



Crystal Glass Reflector, diffused beam type, great brilliancy

"NONGLARE" Glass Reflector, combination spot and flood-beam type, maximum utility

Two continents say "*Goodbye, buggy wheels ...here's Budd-Michelin*"



More than half of Europe's cars ride on Budd-Michelin wheels.... In America, Budd-Michelin carries more motor vehicles than all other steel wheels combined....

And thereby hangs a tale

WHEN BEN HUR won the Roman Derby the wood-spoked wheel was already so old nobody thought about it anymore . . .

Two thousand years later people were still trying to equal Ben Hur's speed on the highways—and still traveling on wood-spoked wheels . . .

Then came the revolution in highway travel. Speed jumped from six miles an hour to sixty. The weight of vehicles was multiplied. New problems of braking and steering were encountered . . .

The wood-spoked wheel had been adequate since the beginning of time, because horse-speed represented the maximum in highway travel . . .

But automobile-speed—automobile-weight—automobile-braking and steering—these are another story . . .

Good-bye, buggy wheels!

* * *

A great engineer quit thinking in terms of wood-spoked wheels and designed a wheel for the *automobile*. . .

He selected the material that makes possible the rest of the car—*steel* . . .

He gave his wheel strength to withstand collisions . . . beauty that adds beauty to any car . . .

Europe saw this wheel first, and was quick to adopt it. Now it is sweeping America . . .

Two continents say, "*Good-bye, buggy wheels.* Here's Budd-Michelin!"

Read the list of advantages:

BUDD

WHEEL COMPANY

Detroit and Philadelphia

BUDD-MICHELIN—***the All-Steel Wheel gives you these advantages:***

—a scientific convex form, increasing resilience, and permitting the placing of brakes and kingpins *within* the wheel, for better braking and easier steering—for greater protection of brakes from mud and water

Cross-section showing convex design

—a demountable wheel which hides the brakes but gives immediate access to them when adjustments are needed

—a light wheel (lighter than wood) tapering toward the rim, making starting and stopping

—five wheels to a set. An extra wheel to dress up the rear of the car, easy to substitute in case of tire trouble. No rims to remove

—everlasting strength, promoting safety. Triumphant beauty!

BONNEY
Water Pump
WRENCHES

Every Leaking Water Pump Means A Sale For You

This shows how easily the Bonney "CV" Water Pump Wrench can be used.

It is practically impossible to use an ordinary adjustable wrench in this case. The wrench will interfere with the crank case at one end and with the hood ledge on the other. This is typical of many cars

*C. V. is a Bonney trademark registered in the U. S. Patent Office

Chrome Vanadium registered August 11th, 1925

USE THEM YOURSELF

In the majority of cases it is extremely difficult, and frequently absolutely impossible, to tighten the water pump packing nut with an ordinary wrench. The illustration is an example of the conditions frequently encountered.

"ASK 'EM TO BUY"

Purchase an assortment of Bonney "CV" Water Pump Packing Nut Wrenches for the most popular cars, particularly the cars which you sell. Then, whenever a customer comes in to have his leaking pump tightened, do the job with a Bonney Wrench and then—SELL HIM THE WRENCH.

The cost to the customer is comparatively small and now that winter is approaching he can save the price of the wrench in alcohol or glycerine alone.

If you will write to us we will send you a schedule showing the sizes and prices of the Bonney Water Pump Packing Nut Wrenches for all of the important makes of cars.

You can buy them from your own jobber

Bonney Forge & Tool Works
Allentown, Pa.

Makers of Special Service Wrenches of Chrome Vanadium, Carbon Steel Drop Forged Wrenches, Stillson Wrenches, Vises and Drop Forgings and the Bonney Rim Tool.

BONNEY
Chrome- CV *Vanadium*
WRENCHES
(Patents Pending)

Builders' and Architects' Levels

Builders' Dumpy Level

Is a low priced but reliable and well-made instrument and will meet all the requirements of the builder, contractor and millwright

Specifications

Telescope. Length 11½ inches, magnifying power, 18 diameters, achromatic terrestrial of good definition, focused by rack and pinion, eye-piece provided with a screw-like arrangement for precise focusing of cross hairs. Cross Bar Length, 8 inches, ribbed to increase stability and decrease weight. Level to Cross Bar. Length 5 inches, graduated on the glass. Horizontal Circle. Diameter, 5 inches, graduated to degrees, numbered 0 to 90 each way, with vernier reading to minutes. Finish. Telescope, level, Y and cross bar, nickel finished; all other parts bronzed and lacquered. Weight. Instrument 4 pounds; tripod 6 pounds.

No. 1600 Dumpy Level with tripod, complete **$75.00**

Architects' Level

Level is of superior quality and workmanship. Highly satisfactory for architects' and contractors' use and for the draughtsman, where lines are to be run with stadia but at short distances apart

Specifications

Telescope. Length 11½ inches, magnifying power 18 diameters, achromatic terrestrial of good definition, focused by rack and pinion, eye-piece provided with a screw-like arrangement for precise focusing of cross hairs. Telescope Length, 5 inches; graduated on glass. Bar Length, 8 inches, best composition metal. Level to Cross Ways. Provided with a new locking device which secures the cups. Horizontal Circle. Diameter 3 inches, graduated to degrees, numbered 0 to 90 each way, with vernier reading to 5 minutes. Parallel Plates. Of large diameter, the upper consisting of four well-braced arms, four leveling screws; provided with clamp to spindle. Weight, 5 pounds; tripod, 6 pounds.

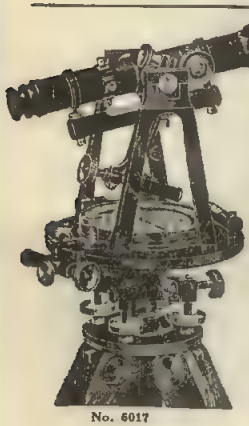
No. 6005. Architects' Level with tripod, complete **$90.00**

No. 6006 Same as No. 6005, but with tangent screw **95.00**

Transits

No. 6166

Reconnoissance Transit



No. 6017

Specifications

Telescope. Length, 9 inches; magnifying power, 21 diameters; balanced, and reverses at both ends; line of collimation true for all distances; object slide and eye-piece with dust protecters; fixed stadia hairs. Object Glass. Diameter, 1 inch. Eye-Piece. Improved, giving a flat field. Horizontal Axis. Length, 4 inches; cast hollow to reduce weight. Level to Telescope Length, 4½ inches; graduated on the glass, indicating a variation of 30 seconds of arc to 1/10-inch motion of the bubble

Standards. Phosphor bronze.

Horizontal Circle. Diameter, 5 inches to edge of graduation; graduated on solid silver to half-degrees, with one double vernier reading to single minutes, placed at an angle of 30 degrees to line of sight; marked from 0 to 180 each way.

Compass. Graduated to half-degrees, figured from 0 to 90 on each side of North and South; magnetic needle, 3½ inches, variation plate with vernier and rack and pinion.

Plate Levels. Length, 2 inches; indicating a variation of 1 minute of arc to 1/10-inch motion of the bubble

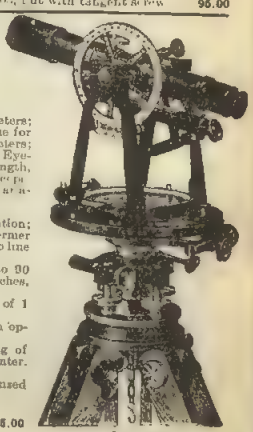
Tangent Screws. Phosphor bronze; improved form, with opposing spiral spring.

Parallel Plates. Of large diameter, the upper consisting of four well-braced arms; four leveling screws. Shifting Center. Range of shift, ¾-inch.

Finish. Standards, cloth-finished; all other parts bronzed and lacquered.

Weight. Instrument, 10 pounds; tripod, 9 pounds.

Price **$225.00**



No. 6166

No. 6017

Builders' Transit

It is especially serviceable in the determination of points in a vertical plane above or below the level line, or for the repetition of angles.

Specifications

Telescope. Length, 8 inches; magnifying power, 16 diameters, achromatic terrestrial, of good definition, focused by rack and pinion; eye-piece provided with a screw-like arrangement for precise focusing of cross hairs. Level to Telescope. Length, 4½ inches; graduated on the glass

Horizontal Circle. Diameter, 5 inches; reads to degrees; graduated on brass, silvered

Vernier. One, reading to 2 minutes; vernier plate fitted with two spirit levels placed at right angles to each other.

Tangent Screws. Phosphor bronze, improved form, with opposing spiral spring

Finish. Standards, cloth-finished; all other parts bronzed and lacquered.

Weight. Instrument, 6 pounds; tripod, 6 pounds.

No. 6015. Builders' Transit, with tripod No. 6202, box, etc. Each **$165 00**

No. 6017. Builders' Transit, like No. 6015, but having compass with raised rim, silvered, graduated to degrees, with vernier on plate, needle about 3 inches, tripod No. 6202, box, etc. Each **$200 00**

Handy Articles for Campers

CAMPER'S KNIFE

Imported Camper's Knife. Consisting of knife and fork. Knife of high grade polished steel, handle separates in center and forms two individual tools—a knife and fork. Composition handle. Size closed 3⅝ inches. One dozen in package.

No. 10C050. Per dozen..... 4.00

IMPORTED TOOL KNIFE

Imported Tool Knife. Stag handle, brass lined. One large spear blade glazed, one punch blade. Equipped with pliers for cutting wire and shackles for chain. Polished steel bolsters. Size closed 4½ inches, ½ dozen in box.

No. 10C00A. Per dozen.... 16.50

CAMPER'S OUTFIT

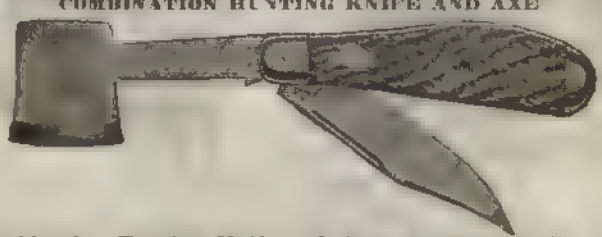
Imported Camper's Outfit. Consisting of knife, fork and spoon of high grade steel, nickel finished. Handle separates and forms three individual tools—knife, fork and spoon; ebony finish composition handle. Size closed, 3⅝ inches. ½ dozen in package.

No. 10C051. Per dozen.. [illegible]

No. 10C419. Camper's Knife and Fork Combination in one, separates in the middle. Each half is a complete tool, one fork and one knife, nickel silver bolster, brass lined, bone handle, long clip blade and one fork, good polished steel; both fasten together with button in slot; entire length, 6¾ inches. An ideal camper's knife.

Per dozen..... 12.00

COMBINATION HUNTING KNIFE AND AXE



Combination Hunting Knife and Axe, American Made. A real "trail blazer." Extra strongly built bone stag handle, heavy brass lined nickel silver bolsters. 2 blades, large clip and axe; length of blades 3⅝ inches. Made of extra heavy forged steel, perfectly tempered and ground to a keen edge. Length closed, 6 inches.

No. 10C808. Each..... 1.85

IMPORTED POCKET KNIFE TOOL KIT

Imported Porket Knife Tool Kit. Comprising a cocobolo handle jack knife, 6½ inch open, and 5 extra tools which can be attached to handle. High grade steel carefully tempered. File, reamer, cork puller, screw driver and chisel, in leather pouch. Size 3x4½ inches.

No. 10C79. Per dozen kits..... 14.50

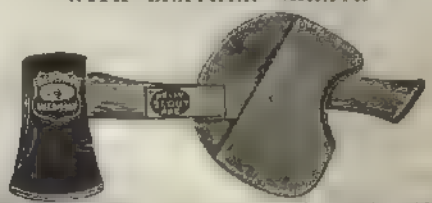
Per kit..... 1.25

HUNTER'S AXE WITH LEATHER SHEATH

Hunter's Axe with Leather Sheath. Made of high grade material, special temper, hand forged finish; cutting edge raced. Stained axe shaped handle; weight of head 1¼ lbs. Sheath made of high grade leather. ½ dozen in box.

No. 3C228. Per dozen..... 10.50

KELLY FLINT EDGE SCOUT AXE WITH LEATHER SHEATH



Kelly Flint Edge Scout Axe with Leather Sheath. Made of one piece high grade tool steel, hand tempered. Special luster black finish, cutting edge honed. Beveled nail slot. Stained axe shaped handle. Weight of head 1¼ lbs. Sheath made of high grade grained leather. ½ dozen in box.

No. 3C229. Per dozen..... 15.00

Safety Razors and Blades

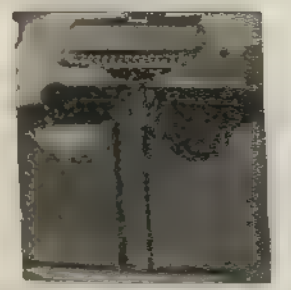
Our "Special" Safety Razor

"Special" Safety Razor, fancy turned handle, polished nickel finish, comb is soldered and fitted with a clamp device swivel hinged, which slips on over blade, holds it firm and secure in proper position. Complete with one blade, each in box

No. 9C1. Gross, 8.75
Dozen ..... .75

"Special" Safety Razor Blades. Made of best razor steel, with one cutting edge, ready for use. Three dozen in package.

No. 9C6. Per dozen blades ..... .40



Gem Safety Razor "Minute Man" Model. Patented case, attractively designed—will stand solidly on shelf, or can be attached to wall—has 2 compartments, one for new blades, the other for used blades, made of brass brightly nickeled and rust-proof. Complete with 2 Gem Double Life Blades.

No. 9C124. Per dozen..... 3.90

Gem Safety Razor "Triumph." Vest pocket style, metal case highly nickeled, velvet and satin lined, triple nickeled frame, handle and blade box, with 5 Gem Double Life Blades.

No. 9C108.
Each . .70 | Per doz.... 8.00

Gem Damaskeene Blades, 6 blades in package, 24 packages in carton.

No. 9C5. Per doz. pkgs..... 3.65
Per gross pkgs.. . . 42.00

"Every-Ready" Safety Razor "Speedster," triple nickeled frame, handle and blade box with 5 "Radio Steel" blades. Each set in polished wood case.

No. 9C106.
Each . .70 | Per doz... 8.00

"Every-Ready" Safety Razor "Touring," same as above, each set in brightly nickeled metal case, satin and velvet lined.

No. 9C103.
Each ..... .70 | Per doz.... 8.00

"Ever-Ready" Safety Razor "Sport," vest pocket style, Metal Case, highly nickeled, satin and velvet lined, triple nickeled frame, handle and blade box with 5 "Radio Steel" blades.

No. 9C101.
Each ..... .70 | Per doz.... 8.00

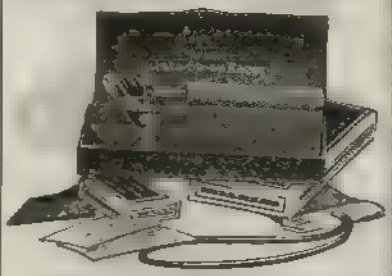
"Ever-Ready" Safety Razor "Town," same as above in celluloid Ivory Case.

No. 9C102.
Each .70 | Per doz.... 8.00

No. 9C3. "Ever-Ready" Radio Steel" Blades, 5 blades in package, 24 packages in carton.

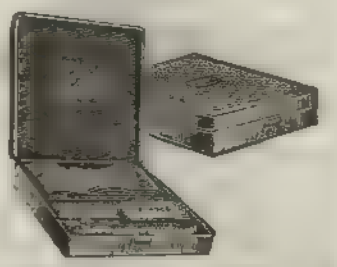
Per gross packages 34.50
Per dozen packages 3.00

Auto-Strop Safety Razor



Valet "Auto-Strop" Safety Razor. Consists of nickel finish self-stropping razor, 1 Valet Auto-Strop blade, and 1 horse-hide strop. Razor and blade packed in black finished metal case velvet lined, strop in individual carton. Packed complete one set in box.

No. 9C97. Per dozen..... 2.25



Auto-Strop Safety Razor. Flat, fancy embossed metal case, gold plated, velvet lined, size 3⅜x2½, with gold plated self-stropping razor, 2 blades and shell horse-hide strop.

No. 9C66. Each 2.50

Auto-Strop Blades

Auto-Strop Blades, each blade in a moisture-proof wrapper, 5 in a package.

No. 9C34. Per doz. packages. 4.20

Auto-Strop Strop

Auto-Strop Strops, extra strops for auto-strop razors manufactured from a fine grade of selected leather. Each in a carton.

No. 9C33. Per dozen..... 4.20

CAMPERS' SUPPLIES—Tents

There will be THOUSANDS of additional tourists and campers this year—and that means THOUSANDS of additional dollars FOR YOU if you stock quick-turning, big paying cots, chairs and other camping and touring supplies like these.

POPULAR
AUTOMOBILE TOURING TENTS

KHAKI WATERPROOF DUCK

Special khaki waterproof material weighing 10 oz. to yard (36x29 in.) after treatment. Fastens to side of car by ropes [illegible] Complete with guy ropes and stakes. 1 in waterproof bag.

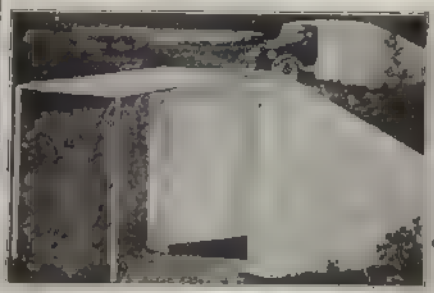
	Floor Size	Shipping Weight	Each
1K5419	5'x [illegible]	18 lbs	$9.60
1K5420	[illegible] x9'	21 "	12.25

WHITE DUCK

Standard white duck 8 oz. to yard (36x30 in.), affords full protection from rain and weather. Fastens to side of car, similar to 1K5419 listed above, easily and quickly set up. Complete with ropes and stakes. 1 in waterproof bag.

	Floor Size	Shipping Weight	Each
1K5425—7'x 7'		20 lbs.	$10.50

BUTLER "SPECIAL"
KHAKI DUCK TOURING TENTS



First quality khaki duck [illegible] EQUIPMENT STANDARD [illegible] protection from [illegible] and weather. Fastens to side of car by [illegible] for [illegible] and quickly set up. Complete with [illegible] center [illegible] can be used independent of car by the use of four poles. Complete with ropes and stakes, poles not included. 1 in waterproof bag.

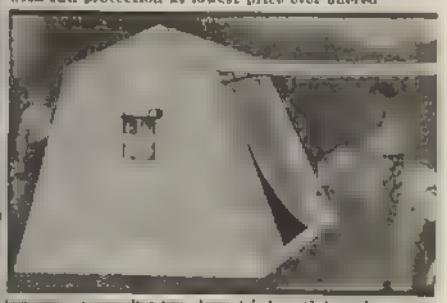
	Floor Size	Shipping Weight	Each
1K5428—	7 ft. x 7 ft.	25 lbs.	Out
1K5429—	7 x 9	27 "	16.00
1K5430—	7 x 12	30 "	18.50

Jointed Poles for Above Touring Tents

1K5424—Heavy three-piece, jointed [illegible] 4 poles in set [illegible] $2.25

"DRI-LITE"
UMBRELLA TYPE TOURING TENTS

Latest type combining light weight and compactness with full protection at lowest price ever offered



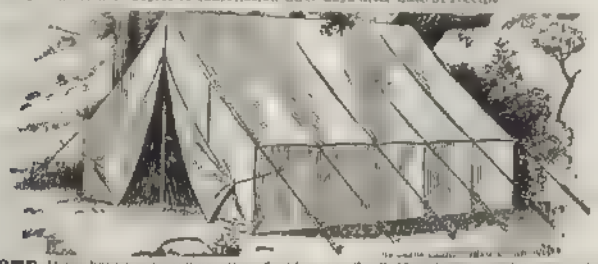
Complete [illegible] 10 oz. treated waterproof [illegible] with [illegible] rope [illegible] 10 oz. treated waterproof [illegible] with [illegible] of [illegible] extra [illegible] roof, [illegible] 4 [illegible] with [illegible] fashion [illegible] supported by 3-piece jointed pole and 4 piece tubular steel frame. 4 new stakes [illegible] easily set up by one person in 10 minutes. Complete with guy ropes and stakes, poles for extension awning not included. 1 in waterproof bag.

	Size at Base	Size at Eaves	Center Eaves Ht	Ship. Wt.	Ship. Wt. Lbs.	Each
1K5415—	8'x 8'	4'0"x4'0"	8'	8'	40	$27.00
1K5416—10 x10'		5' x5'	8'	8'	50	34.75

"RELIANCE" WALL TENTS

Reinforced at parts subject to heavy strain or wear. All seams felled and double stitched. Hand sewed grommets. Full height wall and center. Each tent complete with poles, ropes and stakes. Ten ropes and stakes in burlap bag, poles in separate bundle. 1 in bag.

TENT FLIES for any size wall tent can be furnished without poles at ½ the price of a tent of corresponding size, weight and duck. These orders will require a week or ten days to make delivery and are not subject to cancellation three days after date of receipt.



White Duck

	Weight of Duck	Floor Size	Center Height	Wall Height	Shipping Weight	Each
1K1541	10 oz.	7'x7'	6½'	3'	38 lbs.	$12.90
1K1544	10 "	7'x9'	6½'	3'	44 "	16.00
1K1547	10 "	8'x10'	6½'	3'	49 "	17.25

Khaki Waterproof Duck

Made of special waterproof khaki material weighing 10 oz. to the yard (36x29 in.) after being treated, especially designed to meet competition of low priced tents.

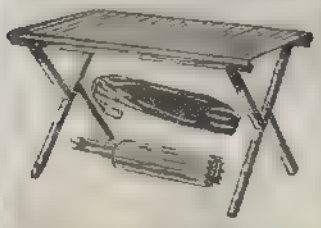
	Weight of Duck	Floor Size	Center Height	Wall Height	Shipping Weight	Each
1K1566—	10 oz.	7'x7'	6½'	3'	40 lbs.	$11.00
1K1567—	10 "	7'x9'	6½'	3'	45 "	14.75
1K1568—	10 "	8'x10'	6½'	3'	50 "	18.20
1K1569	10	10'x12'	7'	3'	80	21.00

NOTE: [illegible] weights of duck refer to after S. T. and [illegible] Each based on 30 in. [illegible] weights should be taken into consideration. Our 8, 10 and 12 oz. duck based on 20 in. base is equal respectively to 10, 12 and 14 oz. duck on a 16 in. base.

"PALMETTO" PLAY TENT

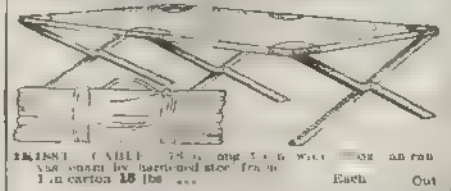
1K1945 Blue and white striped duck 6 oz. to yard [illegible] 5 ft. square at top 5 ft. high at center [illegible] high at side. Light iron frame sewed into tent at eaves, ready set up with 3 center pole, scallop extends over eaves, trimmed with red [illegible] very substantial. 1 wrapped in pkg. Each Out

ROLL TOP FOLDING TABLE



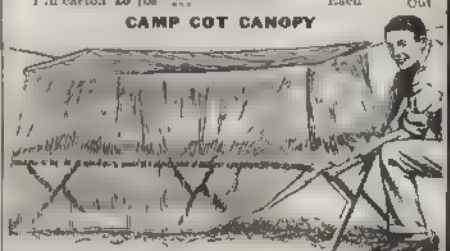
1K1884—35 in. long 21 in. wide, 27 in. high, wood slat roll top folds and [illegible] in canvas bag, light, compact and solid. 1 in carton [illegible] lbs. each) Each $2.95

CABLE STEEL FRAME FOLDING COT

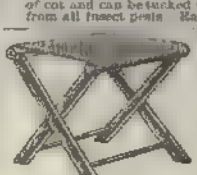


1K1881 CABLE [illegible] ft. long [illegible] wide [illegible] oz. canvas [illegible] by hardwood slats [illegible] in. 1 in carton 25 lbs. [illegible] Each Out

CAMP COT CANOPY



1K1878—Strong close mesh netting, metal end spreaders, suspends from any handy overhead point, fits close to frame of cot and can be tucked under fitting protection from all insect pests. Each wrapped. Each $1.45



FOLDING STOOL AND CHAIR

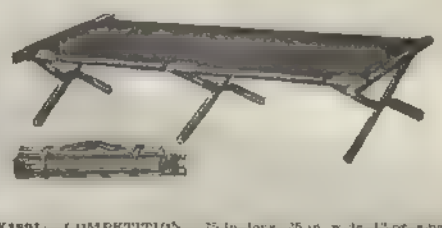
10 oz. tan canvas seats fastened to hardwood frame by convenient method possible, folds [illegible] popular for many uses, for autos, for camping, etc. ½ doz. in bdl.

1K1905—Stool. Wt. 8 lbs. Doz $4.20

1K1906—Chair. Wt. 10 lbs. Doz $5.25

Army Type Folding Cots

About 40 in. long, 6 in. wide, 4 in. high when folded, 14 gauge reinforced channeled steel stampings.

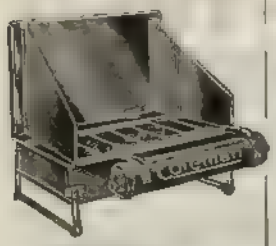


1K1891—"COMPETITION" 75 in. long, 25 in. wide, 11 oz. single 9 oz. [illegible] canvas, 1 ¼ in hardwood frame good [illegible] not guaranteed. 1 in pkg., wrapped, 17 lbs. Each $2.60 Doz 29.00

1K1892—"STURDY," 78 in. long, 25 in. wide, 12 oz. double filled white canvas, 1¼x1¼ in. side rails, other lumber parts 1¼ in. square all clear hardwood. 1 in pkg., wrapped, 18 lbs. Each $2.80 Doz $32.50

1K1893—"BEST YET" 78 in. long, 27 in. wide, 12 oz. double filled tan canvas, 1¼x1¼ in. heavy side rails, balance of frame 1¼ in. square clear selected hardwood, built to give satisfaction, hard to improve upon. 1 in pkg., wrapped, 17 lbs. Each $ 3.10 Doz 36.00

"COLEMAN" GASOLINE CAMP STOVES



Fold like suit case, to size 19 in. long, 11 in. wide, and 4 in. thick. Practical stove, guaranteed to do the work 2 full size burners, built in air pump. Folding hot blast starter self-cleaning generator, burns 4½ hours with 1 filling. 1 in pkg

1K1882—(Mfrs 9) Best popular priced stove, weight 16 lbs. Each **$6.25**

1K1881 (Mfrs 2) Has built-in oven and detachable heater connected to cooking gas tank by miniature kitchen range, weight 90 lbs. Each **$8.50**

PUSH TOURIST GOODS
There's a Steady Demand All Summer and Fall

"STONE" CAMP FIRE COOKER

1K1900—Malleable iron 2 pc. ground stake, 2 pride and 1 pot holder, easy independent adjustment, a simple quick action cooker, drive in ground and build fire. 1 set in carton. 2 lbs ..... Set **$2.25**

"HAWKEYE" TOURISTS' REFRIGERATOR BASKET

1K1874—TOURIST, portable ice chest 20 in. long 10 in. wide 12 in. deep, varnished rattan basket lined with metal, asbestos insulated keeps food and beverages cool 24 hours, air and dust tight, removable ice container, 15 lbs . . Each **$7.50**

DUFFLE BAGS

12 oz. double filled olive drab canvas waterproof throat, drawstring and 2 carrying handles. For packing clothing camp accessories, etc

	Square	Long	Each
1K1855—12 in.	36 in.	..	**$1.75**
1K1856—15 "	36 "	..	**1.95**
1K1857—18 "	36 "	..	**2.75**

NEW COLEMAN "QUICKLITE" LANTERN

In big demand by campers, tourists, hunters and fishermen.

2C 2831 (Mfrs 1427) 14 in. high gives 300 candle power light, 9 pint fount burns 15 hours in any weather, all brass parts nickel plated, built-in pump, complete with mantles, extra chimney, reflector, cleaning pick and extra generator. 1 in carton Each **$6.00**

"ESTWING" UNBREAKABLE AXES

24 oz. temper-drop forged steel, keen durable edge, guaranteed by replacement, hardwood handles. 1 lb box, with leather sheath.

1K1873—"Util-ax," a box opener, nail puller and pry bar as well as an axe . Each **$1.25**

1K1872—"Scout" axe, standard pattern a real pal in the woods Each **$1.25**

TOURIST TENT LAMP

1K1908—Enameled reflector with switch, 10 ft. cord can be plugged in on dash connection and suspended by hook, 6 volt, 4 c. p. bulb. 1 in carton. .... Each **$1.50**

"CELLO" ALUMINUM CANTEEN

1K1880—1 qt. 16 gauge aluminum felt lined canvas cover adjustable sling 1 lb. Each **$2.00**

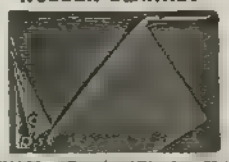
"THE FEATHER" SPORT TOGS

New Ultra-Light weight Waterproof sail cloth great strength with light weight. For warm weather use for hikers, campers and fishermen

1K1868—Shirt, tan sail cloth, self yoke, large pockets with flaps, knit wrists, waist and neck. Small, medium and large sizes 1 in box. SPECIFY SIZES Each **$4.50**

1K1869 Breeches, tan sail cloth, mackinaw seat, lined bottoms, 28 to 40 waist 1 pair in box. SPECIFY SIZES Pair **$3.50**

RUBBER BLANKET



1K1495 Everdry Blanket, 7'-in. long 30 in. wide fabric rubber coated both sides, a positive moisture and air proof fold with brass grommets. Each **$2.20**

"LIVINGOOD" STEEL TABLE AND CHAIR SET

1K1851—Green enameled steel, 4 chairs 30x36 in. top table, table folds into case 30x15x3 in. chairs fit in case. 1 set in case 40 lbs Set **$11.50**

"CELLO" ALUMINUM MESS KIT

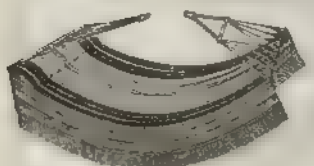
1K1829—7 pcs., aluminum pots and pans, tinned knife and fork fits into canvas carrying bag with strap SET 7 pcs **$2.50**

RUBBER PONCHO

1K1497 Poncho, 45x72 in., dull rubber coated fabric, light weight, head slips through center, can also be used as blanket fitted with brass grommets Each Doz

WOVEN and COUCH HAMMOCKS

A selection here will bring you all the hammocks you need in order to have ONLY "cream" sellers in your stock!



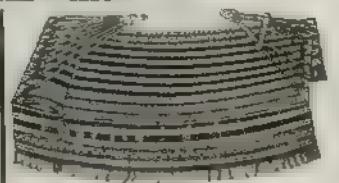
Deep Fringed Valance

1K2039 36x71 in. heavy canvas weave, 2 stripe, deep fringed valance, large pillow head and foot pillow. 1 wrapped in paper pkg Each Doz
1 doz. in bale, 3 assd. colors Doz

Butler Brothers' "Special" Full Jacquard Woven Hammock

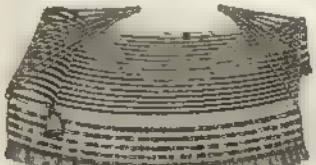
Has everything that makes the usual $5.00 hammock — but priced so you can sell it for $4.50.

1K2933—36x80 in. floral panel design with floral valance, large button tufted lay-back pillow with 2 widely different color combinations. Each wrapped in paper pkg Each **$2.95**
1 doz. in bale, Doz **34.00**



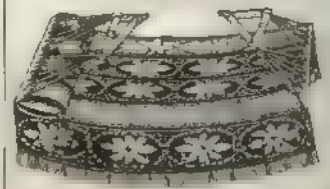
Heavy Basket Weave

1K2937—40x82 in. very heavy basket weave and solid canvas striped body bright snappy colorings, extra deep fringe draped valance, large button tufted lay-back pillow with tassels. 1 in paper pkg. Each Doz



Heavy Canvas Weave

1K2040—(4481) 40x81 in. double weight solid canvas weave, 2 wide stripes & wide fringed valance, large button tufted lay-back pillow with tassels, colorful head and foot pillow. 1 in paper pkg Each Doz



Full Jacquard Weave

1K2939—40x81 in. double weight full jacquard weave in brightly colored floral design, fringed ends, full length valance, large button tufted lay-back pillow with tassels, dividing bead and foot support. 1 in paper pkg Each Doz

72 In. Long

"ROMELINK" COUCH HAMMOCK

Adjustable Back

Suspension Davenport — Canvas covered self centering upholstery bed set on strong angle iron and tubular frame, burlapped ready to hang Each

1K1902 Tan
1K1903—Gray Out

A New Candy Prize Package

"Sweeties" a suitable package for Concessionnaires, Park Men, Punch Board Operators, etc., who use a give away package

A new candy prize package. Good for resale purposes. Very attractive because it is printed in very pretty colors. The box measures 6½x2¼x1 inches. Each box contains two pieces of good chewing molasses candy and a prize or toy that will please a girl or boy. The prizes used consist of many different styles such as rings, lanterns, pipes, tops, auto, etc. Sweeties are packed 250 to a carton, no less sold.

No. A8100. Per thousand (4 cartons) ..... 17.00 Per carton (250 pkgs.) 4.50

Chewing Gum for Concessionnaires

Our Special Chewing Gum. A good gum to take in popular spearmint flavor. Packed 5 sticks in fancy colored wrapper with gold price label, packed 100 packages in a box. The sticks are full standard size, especially designed for cane rack and baby [illegible] men.

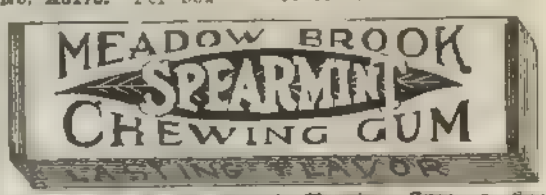
No. A8174. Per box ..... .50

Chewmore Gum. A pleasant and lasting flavored gum, sold 5 sticks wrapped in paper with printed label. 100 packages in box. For cane rack, baby buggy, scale boards, etc.

No. A8175. Per box..... .75

Shure's Spearmint Gum. Strictly high grade goods. Lasting flavor. Made of best material, absolutely pure, pleasant and lasting chew; 5 pieces wrapped in moisture proof paper with attractive wrapper. 100 packages in box.

No. A8176. Per box 1.00



Meadowbrook Spearmint Chewing Gum, a fine quality, made of high grade materials and lasting flavor. Each stick wrapped separately in moisture-proof paper and wrapper 5 sticks in attractive package, 20 packages in a box.

No. A8177. Per box ..... .30

"ENESCO" Brand Ball Chewing Gum

Quality Ball Chewing Gum, candy coated, sizes are regular; every one is round, no trouble in vending machines. Made of good materials, delicious flavor, lasting and pleasant to the taste. Comes in assorted flavors and colors. 100 in a box. 100 boxes in case.

Per box ..... .25

No. A8195. Per case 24.00

SPANISH Salted Peanuts

Salted Peanuts, absolutely fresh, always popular. Our prices enable you to make excellent profits. Guaranteed clean, fresh goods. Packed 10 lbs. in sealed wooden box. No less sold.

No. A8150. Per box 1.25

"LION" BRAND Molasses Kisses

Wrapped Molasses Kisses, a great favorite chewing candy. Each wrapped in paper. Average about 65 kisses to a pound. 20 pounds in a corrugated box. No less sold.

No. A8164. Per box of 20 lbs. 2.50

Superior Soft Drinks

"Not how cheap but how good" has been our slogan in the preparation of our Superior brand of soft drink powders and liquid flavors.

Before adopting the "Superior" brand and placing it on the market, all items listed were subjected to a most rigid test by expert chemists, who reported that all powders and liquids submitted were far superior in every detail to all others.

"Superior" Soft Drink Powders, an artificial product—composed of a citrus base, flavored with true Italian flavors, and artificially colored. A delicious drink suggesting the rich fruit flavor of the true fruit itself is obtained by using "Superior" powders.

There is 85c profit on every dollar taken in.

"Delicious"

"Superior" Soft Drink Powders and Liquid Flavors are prepared especially for us. We guarantee these products to be made from the very best materials. We have had them analysed by chemists and they comply fully with all pure food laws. By using "Superior" soft drink powders and flavors you will double your sales.

Orangeade

No. A8050. Makes 60 gal. or about 1,200 glasses. Per pkg. **3.45**
No. A8051. Makes 30 gal. or about 600 glasses. Per pkg. **1.80**
No. A8052. Makes 15 gal. or about 300 glasses. Per pkg. **1.00**

Grape

No. A8071. Makes 60 gal. or about 1,200 glasses. Per pkg. **3.45**
No. A8072. Makes 30 gal. or about 600 glasses. Per pkg. **1.80**
No. A8073. Makes 15 gal. or about 300 glasses. Per pkg. **1.00**

Lemon

No. A8063. Makes 60 gal. or about 1,200 glasses. Per pkg. **3.45**
No. A8054. Makes 30 gal. or about 600 glasses. Per pkg. **1.80**
No. A8055. Makes 15 gal. or about 300 glasses. Per pkg. **1.00**

Superior Liquid Flavors in Bottles

"Superior" Liquid Flavors are produced from the highest quality ingredients obtainable. Our idea of putting them up in bottles is the handy way of making soft drinks rapidly. Always use glass or earthenware containers when mixing or dispensing, as drinks should never come in contact with metal.

A tablespoon of "Superior" liquid flavor mixed with sugar and water will make a gallon. Makes excellent Sherbets, Ices, Frappes and other delicious concoctions. Soda dispensers will find it ideal for Soda and Sundae syrups.

Each bottle contains 4 oz. and will make 10 gal. of liquid. Made in the four flavors as listed below.

All Drink Powders and Flavors Comply Fully with all Pure Food Laws

Raspberry. 4-oz. bottle makes 10 gallons or about 200 glasses.
No. A8074. Bottle .75

Grape. 4-oz. bottle makes 10 gallons or about 200 glasses.
No. A8075. Bottle .75

Cherry. 4-oz. bottle makes 10 gallons or about 200 glasses.
No. A8076. Bottle .75

Logan berry. 4-oz. bottle makes 10 gallons or about 200 glasses.
No. A8077. Bottle .75

FREE
WITH EACH
25.00
ORDER

Universal, one [illegible] glass [illegible] of [illegible] glass. Value of bottle given with [illegible] orders or [illegible] of assorted kinds of liquid and powder flavors shown on this page. Ask for free [illegible] bottle.

THE ACE OF DARE-DEVILS

CAPTAIN JACK PAYNE

THE WORLD'S GREATEST HIGH DIVER

NIGHT SHOW—The Tank is Ablaze with Gasoline, and Beautiful Fireworks Burst from Top of Ladder

DAY SHOW—A Back Somersault Dive from the Highest of Ladders into the Shallowest of Small Tanks

AMERICA'S UNPARALLELED FREE ATTRACTION

EVERY ACT *IN THIS CATALOG CONTROLLED EXCLUSIVELY* BY **WORLD AMUSEMENT SERVICE ASSOCIATION, Inc.**

"SERVICE and SATISFACTION"

Most Intrepid of All Aerialists

FIVE FLYING FISHERS

TWO—Distinct Acts With Separate Apparatus—TWO

ENORMOUS AERIAL STRUCTURE 40 FEET HIGH CARRIED COMPLETE

Superlative and Fascinating Mid-Air Exploits of Masterful Originality, Variety and Superiority, Featuring Triple Somersaults and a Lady Catcher

Theaters cannot play this attraction as the special apparatus is entirely too big. This is true of many other acts in this catalog. They are practical for open-air presentation only.

2nd Act THE PALLONE TRIO ON OPPOSITE PAGE

Cap Pistols, Pop Guns, Target Games Bubble Blowers

CAP PISTOL

New style, will hold either large or small caps. Made of cast metal in bright finish. Two sizes as quoted below. Modeled in the style of a real pistol. Packed one dozen in box.

No. 31N20.
Length, 4 inches. Per dozen .80

No. 31N21.
Length, 8 inches. Per dozen 1.85

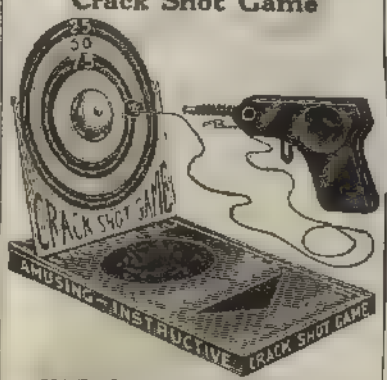
Ronson Repeater

Ronson Repeater. Made of steel of genuine gun metal finish. It looks and grips like a real automatic revolver. It is absolutely harmless. Every time you pull the trigger, a big red flash shoots out. The secret is in the flint. Each flint will shoot about five thousand times and can be renewed at less than 5c. Order reloads when you orde. Ronson Repeaters, because every boy will want two or three extra.

No. 31N9.
Per gross 22.50 Per dozen. 2.00

No. 31N8. Extra Reloads.
Per gross 4.20 | Per dozen. .38

Crack Shot Game



5½-Inch Eagal style Metal Target. Red and yellow painted rings, nickel plated bell in center. Also a black enameled spring pistol that shoots with unusual accuracy. Packed each in display carton. A very showy item. One doz. in package.

No. 31N14. Per dozen..... 1.85

Magic Sparkler

Magic Sparkler. Harmless spark not barred by the most rigid fire enforcement laws.

A brilliant circle of red, white and blue sparks. Made in the form of a wheel. Very substantial. Each wheel loaded with one piece sparkling metal. Can be replaced when finally used up. (See reloads list below.)

Sparkler Wheels. Packed each in carton, one dozen in display box.

Sparkler Wheel. No. 31N1.
Per gross. 22.50 | Per dozen. 2.00

No. 31N2. Reloads
Gross . . 4.20 | Dozen ..... .38

Midget Bubbler

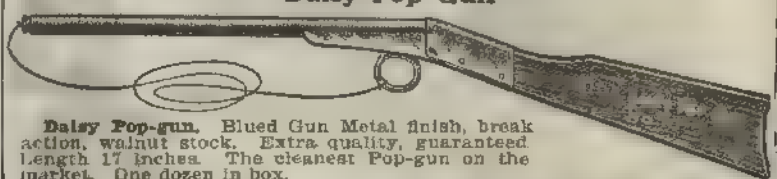
Midget Bubbler. A wonderful favorite with the children. About four inches long. Blow bubbles on top or bottom, or both at once. Each in box. One dozen in carton.

No. 38N33. Per gross 4.00
Per dozen 35

Wonder Bubbler, enameled wood bowl and mouthpiece, will not warp or crack. With two brass finished metal stems. Blows single, chain, cluster bubbles and bubbles within bubbles. No end of fun and amusement. Each in carton with instruction. One dozen in package.

No. 38N32.
Per gross, 8.25 | Per dozen.. 70

Daisy Pop-Gun



Daisy Pop-gun. Blued Gun Metal finish, break action, walnut stock. Extra quality, guaranteed. Length 17 inches. The cleanest Pop-gun on the market. One dozen in box.

No. 31N17. Per dozen 1.95

Wild West Game

Wild West Pistol and Target

A combination game and shooting gallery. A big winner at the price. A double combination target, 13½ inches long, 4½ inches high and 3¼ inches deep. Made of metal brightly enameled in colors. Front screen decorated with animals, embossed around a central 3½ inch target with nickeled bell in center. Rear screen supports 5 numbered targets which fall back when hit. The pistol is black enameled steel and operates with a spring which projects a wooden ball very accurately for several feet. Each set complete in handsome display box die cut to represent circus cage.

No. 50N56. Per dozen sets..... 3.75

SAVINGS BANKS AND NOVELTIES

Gem Dime Bank, holds $5 in dimes and cannot be opened until full. This item is still as popular as it ever was. Nickel plated, one dozen in box.

No. 84N3.

Per dozen .... .35

READY CHANGE

Ready Change Holder has four spring compartments for holding coins, marked 1, 5, 10 and 25 cents, made of metal and nickel plated. One dozen in box.

No. 84N4. Per dozen..... 1.00

A well made bank and nicely finished in plain gold color. Size, 2⅜ inches long, 1½ inches wide, 3 inches high. Packed one dozen in paper box.

No. 84N1. Per dozen . . .90

IRON BANK

Colonial House Bank, in plain gold or aluminum color. A very big value for the money. Size, 4 inches long, 2¾ inches wide, 4 inches high. Packed ¼ dozen in box.

No. 84N2. Per dozen..... 2.00

TOY MAGNET

Magnet, red enameled top mounted on attractive card. Length of magnet, 2⅝ inches. One dozen in box.

No. 37N96.

Per gross . 6.00 | Per dozen .55

PENNY MAGNET

Length, 1⅝ inches. One gross in box.

No. 37N90. Per gross..... .80

WAG TAIL DOG

Bulldog with wire tail that wags, and staring glass eyes. Has collar with metal chain. Body is covered with brown fuzzy material. 2½ inches high, 4 inches over all. Each in box. One dozen in carton.

No. 39N108.

Per gross .. 8.50 | Per dozen .75

COWBOY STYLE WATCH FOB

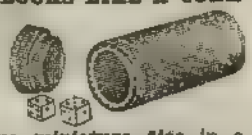
A fast seller. Appeals to old and young. Miniature metal pistol — the exact likeness of a real pistol, in a real miniature holster, made of genuine leather. Has a strap hanger with bright metal buckle.

No. 37N85.

Per gross.... 4.00

Per dozen.... .35

LOOKS LIKE A CORK

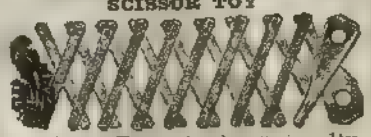


Five miniature dice in a cork box with removable cover. One would never detect it from a real cork. A real novelty. One dozen in box.

No. 2N82.

Per gross... 4.50 | Per dozen. .40

SCISSOR TOY



Scissor Toy. A clever novelty, made of wood; size, closed, 4 in., extends to 24 inches with assorted colored feathers on extreme end. Two dozen in box.

No. 2N422.

Per gross... 3.25 | Per dozen .

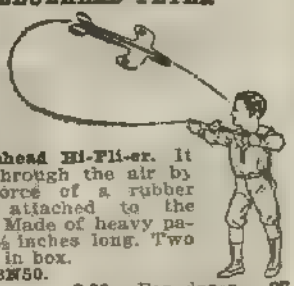
2¾ inch molded papier mache return ball. Has rattle inside. Enameled in bright colors. Elastic cord attached. 2 dozen in box.

No. 23N24.

Per gross . 4.00

Per dozen.... .35

BLUEHEAD FLYER



Bluehead Hi-Fli-er. It flies through the air by the force of a rubber band attached to the head. Made of heavy paper, 8½ inches long. Two dozen in box.

No. 38N50.

Per gross . 3.00 Per dozen .27

IT ROLLS UP HILL

"Gum Back" is an interesting novelty that defies the laws of gravitation, cylinder shape, 2½x 2½ inches, with rolled rim metal cap ends, covered with ornate paper. Roll it on the floor or down the hill and it will come back to you. This is accounted for by the peculiarly poised metal ballast inside. One dozen in box.

No. 2N25.

Per gross.. 7.50 | Per dozen.. .65

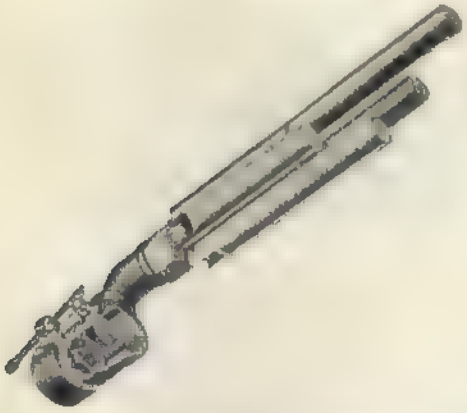
Wood Pistol, decorated with burnt-out flower. By turning revolving trigger it produces a loud sound. Can be used as souvenir. 5 inches over all. Two dozen in box.

No. 13N72.

Per gross 4.50 Per dozen. .40

EXHAUST HORNS AND EXPLOSION WHISTLES

AERMORE EXHAUST HORNS



Aermore Exhaust Horns. A thoroughly satisfactory exhaust signal. Four notes sounded together produce a harmonious chord that is heard above traffic and carries a long distance. Warns but does not frighten. Operates by exhaust of the engine, and all numbers are furnished with Aermore valve.

Built on the pipe organ principle. The four tones sounded together produce a pleasing chord easily heard over the din of traffic or in the country.

Easily installed, nothing to get out of order. A great favorite with discriminating motorists.

No. 000. The largest of the Aermore Horn family. Tubes are larger and the tone is low and deep.

No. 000 Aermore Exhaust Horn.....each **$16 00**

No. 00. 21-inch Aermore Motor Bus Special, complete with hand control. This horn is especially designed for heavy trucks and other high powered motors, gives a very deep tone.

No. 00 Aermore Exhaust Horn.....each **$14 00**

No. 0. 17-inch Aermore Outfit complete. With hand control. Horn is especially designed for large cars and tractors; gives a deep, rich chord.

No. 0 Aermore Exhaust Horn.....each **$12 00**

No. 1. 15-inch Aermore Outfit complete. With hand control. Recommended for medium weight cars and light tractors. Can be used on Fords if an especially deep tone is desired.

No. 1 Aermore Exhaust Horn.....each **$10 00**

Ford Special Outfit. Including Aermore (Ford size) valve, elbow, etc., and hand control, all in one container.

Ford Special Outfit.....complete **$7 00**

Note: If Aermore Outfits are desired including valves over 3 inch inside diameter, add $1.75 to the above prices.

AERMORE EXHAUST HORN VALVES

Aermore Horn Valve. For exhaust horns, heaters, etc., to be attached between engine and muffler, by cutting a section of exhaust pipe and inserting valve. Recommended as the best valve possible to install in this position. Sizes, 1½ to 4¼ inches.

Aermore Horn Valve. Sizes 1½ to 3 in., incl. each **$1 80**

Aermore Horn Valve. Sizes, 3⅛ to 4¼ in., incl. " **3 50**

BUELL EXPLOSION WHISTLES

Chime Model

Chime Model. Suitable for all sized motors. It is a very satisfactory signal for even the most expensive cars. Has a mellow sound blown lightly and a commanding tone when opened full.

Single Tone with Plug for Ford

Single Tone Model. Also suitable for all sizes motors and works satisfactorily through the spark plug opening. This model is equipment with eighty-two manufacturers. It has a clear powerful note that makes it very effective.

Buell Junior

Buell Junior. This is a smaller design capable of providing a good clear warning note. It is not as heavily built as the standard Buell model but is operated on the same principle. Particularly adapted for use with spark plugs.

	Regular	With Special Screw Adapter
Chime Model. Complete with Valve, ⅛-inch pipe	$6 00	$7 00
Single Tone Model. Complete with Valve, ⅛-inch pipe	4 50	5 50
Buell Junior. Complete with Valve, ⅛-inch pipe	3 50	4 50
Adapter, ½ inch, for Ford		50
Special Lever Control		1 00

Standard Mica Spark Plugs furnished. Indestructible and easily cleaned.

eatures that sell the new Chevrolet

V A L U E

—a highly important attribute of Chevrolet, resulting from faithful, persistent striving toward one ideal—the building of fine quality cars to sell at low cost.

Better looking, better built and better finished than ever before, this car is giving Chevrolet dealers new selling opportunities that add materially to the value of their franchise.

CHEVROLET MOTOR COMPANY, DETROIT, MICHIGAN
DIVISION OF GENERAL MOTORS CORPORATION

for Economical Transportation

CHEVROLET

Quality at Low Cost

SMOKING KITS, GOGGLES AND VASES

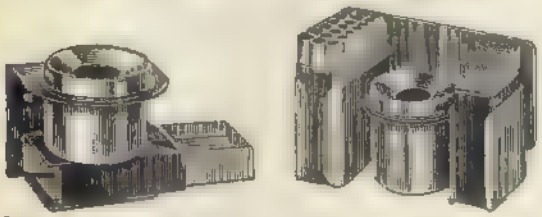
W-B ASH RECEIVER

W-B Ash Receiver. A combination ash receiver, match box holder and cigar rest [illegible] closed car use. Solid brass construction throughout, highly nickel plated. Easily attached by simply screwing on. Screws are furnished for attachment. Nickel or gunmetal finish.

No. 200 W-B Ash Receiver.... ... .each $2 00

SMOKING KITS

Nifty Eclipse



Nifty Smoking Kit. Made of brass, polished and nickel plated; size about 2¾ inches square and place for matches and removable ash tray.

Nifty Smoking Kit.....each $1 00

Eclipse Auto Smoke Kit. Contains receptacle for cigarettes, place for safety matches, and a removable ash tray; made of all brass, heavily nickel plated, and measures 4 inches long by 2¼ inches wide by 2¼ inches high.

Eclipse Auto Smoke Kit.....each $1 50

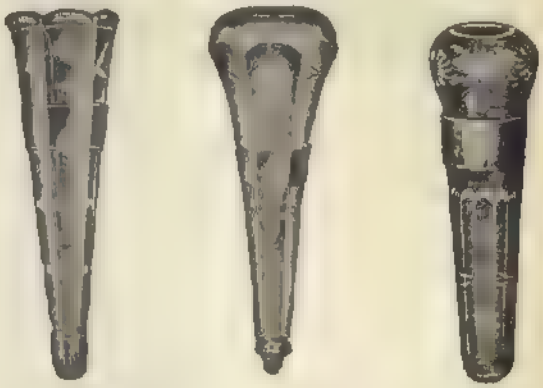
EYE-D-LITE GOGGLE ASSORTMENT

No. D4 Eye-D-Lite Goggle Assortment. Contains 14 goggles as follows:

No.		Size In	No. of Goggles	Each
142R	Eye Riding Bow Goggle	1¾	4	$0 40
145S	Eye Skull Fit Goggle	1¾	2	50
145R	Eye Riding Bow Goggle	1¾	4	45
245S	Eye Skull Fit-Drop Eye Goggle	1¾	2	50
345R	Eye Riding Bow Goggle	1¾	1	50
245R	Eye Riding Bow-Drop Eye Goggle	1¾	2	50
No. D4	Eye-D-Lite Goggle Assortment	complete	6	6 00

W-B CRYSTAL GLASS VASES

No. 300 No. 310 No. 315

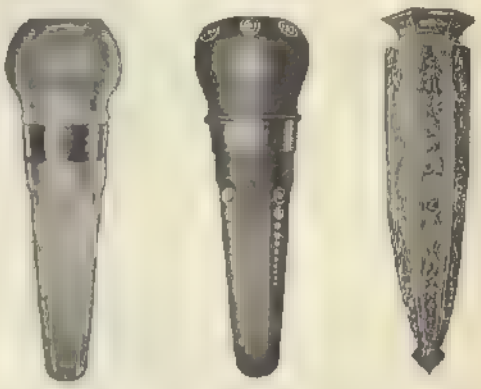


Crystal Glass Vases. Ornamental in appearance and adaptable for all cars. Screw attachments prevent vases rattling. Tops are non-splashable type. Brackets are of brass heavily nickel plated. Are made plain and cut.

No. 300 Crystal Glass Vase.... ... . each $1 50
No. 310 Crystal Glass Vase.. ... . . " 2 00
No. 315 Crystal Glass Vase.. ..... " 2 50

W-B IRIDESCENT VASES

Nos. 301-306 Nos. 311-316 No. 350



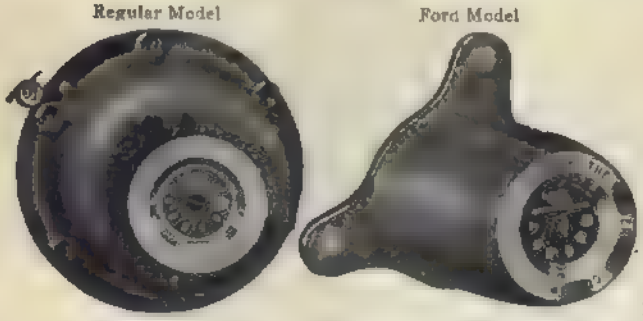
Iridescent Vases. The diversified radiance and beauty of iridescence of these colored vases is accomplished in the actual making of the glass and not by painting. All metal parts in brass heavily nickel plated.

They lend themselves most successfully to any decorative schemes and are particularly adaptable for fine automobile bodies. This is owing to the fact that they will harmonize with any interior finish. All metal parts in brass heavily nickel plated.

No. 301	Iridescent Vase.	Blue	each	$2 15
No. 302	Iridescent Vase.	Green	"	2 15
No. 303	Iridescent Vase.	Pearl	"	2 15
No. 306	Iridescent Vase.	Canary ..	"	2 15
No. 311	Iridescent Vase.	Blue	"	3 25
No. 312	Iridescent Vase.	Green	"	3 25
No. 313	Iridescent Vase.	Pearl	"	3 25
No. 314	Iridescent Vase.	Amethyst	"	3 25
No. 316	Iridescent Vase.	Canary	"	3 25
No. 350	Metal Vase		"	3 75

HUB ODOMETERS, SPEEDOMETERS AND PARTS

VEEDER HUB ODOMETERS

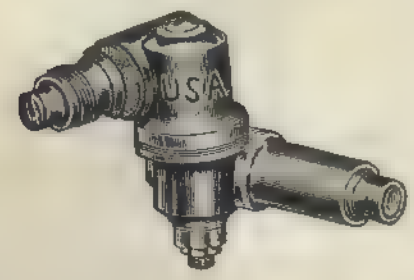


Odometers. Parts subject to hardest wear are made of hardened steel. The studs on which the dials revolve are of copper-nickel alloy, and will not rust or corrode. There are five dials indicating miles, and one registering tenths of a mile, recording to 100,000 miles, then repeating. No oil or axle grease can leak in on these dials; a stuffing box prevents it. The dials revolve upon comparatively small shafts or studs, reducing friction. The dials are locked and prevented from turning except when driven by the mechanism (and this is not accomplished by means of springs). The locking mechanism is similar to the so called Geneva motion and has been employed in the Veeder counting mechanism for many years. The crystal, about ⅛-inch thick, is fastened into the outer casing by a metal bezel forced in under pressure, making it absolutely water-tight.

The Veeder always adds mileage, whether truck runs forward or backward. Seals onto the hub—there's no falsifying the figures—no disconnecting the instrument by throwing gears out of mesh.

Veeder Hub Odometer, Regular Model.....each $20 00
Veeder Hub Odometer, Ford Model..... " 15 00
In ordering, give make, model, year of manufacture of car, and size of front wheel.

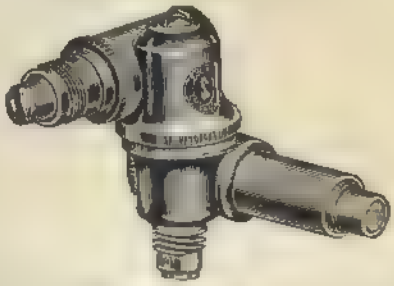
CIRCLE S SWIVEL JOINTS



Model 909. Built to meet the growing demand for a cheaper swivel joint. It has hardened cut steel worm gears, long bearings, solid durable construction, steel end thrust washers and steel center bearings, all features necessary to a durable and efficient swivel joint. The large worm gear is carried on a perfectly centered steel post, solidly anchored at both ends. All parts are removable and interchangeable. Case is die-cast from specially selected metal that is hard, tough and unbreakable under any condition to which a swivel joint would ordinarily be subjected.

No. 909. Right Hand Swivel ..... each $2 25
No. 909. Left Hand Swivel..... " 2 25

CIRCLE S SWIVEL JOINTS



No. 209. An efficient and everlasting swivel joint. Extra large, one piece, all steel gears. Steel end thrust bearings serve as grease cups. Every working surface steel against steel. Extra large steel center bearing specially constructed to prevent warping and insure perfect fit. Instantly interchangeable for right or left hand drive. All parts renewable and interchangeable. The most efficient, most durable and in every way the best swivel joint ever made.
No. 209R. Right Hand for Stewart Speedometers, 2½-1 ..... $2 75
No. 209L. Left Hand Swivel Joint, 2½-1 for Stewart Speedometers 2 75

F. W. S. SHAFTS

Flexible Tubing or Housing. Made of the best rolled steel with positively locked joints to make it absolutely waterproof.
For Stewart Speedometers.
This shaft is very strong and yet it gives the maximum amount of flexibility. The shaft is sold complete (in lengths from 54 to 84 inches), including inside drive and end fittings for Stewart speedometers.
Shaft .....complete $3 50
Outside Housing Only..... 2 00
Specify length of Shaft.

F. W. S. SHAFT FITTINGS

Shaft Fittings. For Stewart Speedometers
No. C215. Upper Clutches for Stewart Chain Drive. $0 25
No. C216. Links for Stewart Chain Drive, eleven links to the foot, per foot .. 35
No. C217. Lower Sliding Bar Clutch for Stewart Chain Drive 35

F. W. S. FIBRE GEARS

F. W. S. Fibre Gears. Made from the best quality sheet fibre obtainable. The teeth are true and the outside diameter conforms to the diameter of the center hole.
No. 1, 2 or 3. Cutter Pin Fibre Gears .....each $0 25
Specify Number.

IGNITION SYSTEMS, GENERATOR CUT-OUT AND COILS

WELLS DISTRIBUTOR FOR FORD

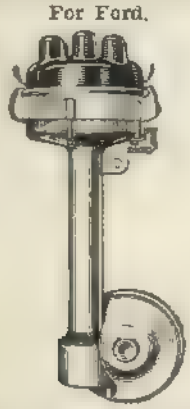
Wells High Tension Distributor. Especially designed for Ford cars, trucks and tractors. Eliminates timer, carbon trouble, fouling of plugs and vibration. Increases the spark, and will last as long as the car. Saves gas and assures easy motor starting and smooth running motor.

For Fords not equipped with starting and lighting, the Wells system is operated on the current from the Ford magneto using one Ford coil without screwing the vibrator down. This same system works equally as well on storage battery equipped [illegible] cars, only the Ford coil and coil box can be eliminated by substituting the Wells Type S-9 non-vibrating coil.

The Wells Distributor is distinctive in its simplicity. Anyone can install it in thirty minutes without removing the radiator and without the use of special tools. It has only two moving parts—nothing to get out of order or adjustment which will require an expert to adjust.

Type S-4 Wells Distributor.....complete $9 00
Type S-9 Coil.....each 5 00

ATWATER KENT TYPE LA IGNITION SYSTEM For Ford.



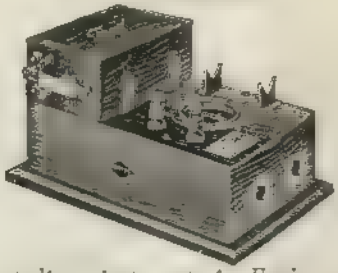
Type LA System. Easily installed without removing radiator. The LA system is operated on the current from the storage battery using one Ford coil with vibrators screwed down tight. This leaves three spare coils for emergency.

Eliminates timer, noise of vibrator; motor runs smoother due to increase in spark heat from battery and more accurate timing. Spark is of uniform intensity for all four cylinders, because the battery is a constant source of current supply, only one coil is used and the spark is accurately timed for each cylinder. Combines automatic spark advance with auxiliary hand advance.

No. 3321. Type LA System, including resistance unit, all cable and fittings.....complete $10 80

Special coil for Ford.

B-W TESTERS



Type A. For alternating current. Equipped with transformer. A. C. ammeter, cord with standard plug for use in any 60 cycle, 110 volt alternating current lamp socket. Can also be furnished in 25 cycle, 110 volt, and 60 cycle, 220 volt, when specified on order.

Type A Tester.....complete $12 75

Type D. For direct current. Equipped with direct current ammeter with cord and clips for conveniently connecting to standard six volt storage battery or 4 good dry cells in series.

Type D Tester.....complete $10 00

M & M GENERATOR CUT-OUT FOR FORD

Type CO1 M & M Generator Cut-Out. Curved base. Ford type. For generator mounting. With cover and mounting bracket for replacement purposes. Is dust, oil and water proof. Has a rugged construction. Cover is of drawn brass. Contact points are made of the finest silver. Well proportioned as to size and thickness. The M & M Cut-Out is efficient and reliable. Has simplicity of design. Every steel part is zinc plated to prevent rusting.

Type CO1 M & M Generator Cut-Out.....each $1 10

K-W UNITS, CONTACTS AND SPRINGS FOR FORD

Unit for Ford Coils

Spring and Contact Point for Ford Coils

Tungsten

Sparkite

Coil Unit for Ford.....each $1 75
Coil Unit for Fordson..... " 2 75
Tungsten Contacts & Spring for Ford Coil...per pair 25
K W Contact Double Duty Point and Springs, without bridge.....per pair $0 25
K-W Contact Double Duty Point and Springs, with bridge attached.....per pair $0 25
Sparkite Contacts & Spring for Ford Coil.." " 50

VLCHEK TOOLS

(Easy to Say "Vul-chek")

Keep Mechanics Good Tempered

Customers Want To Handle Them!

And When They Do They Buy

MOST every man has it in mind to buy *some* tool. He sees what he wants on the Vlchek board - - he hefts a hammer, or critically examines a wrench or a chisel - - a sale is made!

The Vlchek Self-Merchandising automotive tool board is the most complete thing of its kind ever put out. This attractive display of tools in popular demand gets results! We have the proof in many letters which enthusiastic merchants have voluntarily written us. They've tried it out and they know!

Taking the place of an extra clerk this board prominently displays the Vlchek line of high grade tools before all who enter the store. The Vlchek board *does* sell more tools.

To the right you see the Vlchek board with a representative outfit of tools. Just below it is the coupon that will bring you more information. Take advantage of our profit-making plan now.

THE VLCHEK TOOL CO.
CLEVELAND, OHIO

Mail This Coupon

The Vlchek Tool Co., 3000 East 87th St., Cleveland, O

Please give me full information on the Vlchek Self-merchandising Board. Also send samples of literature and details concerning window display material

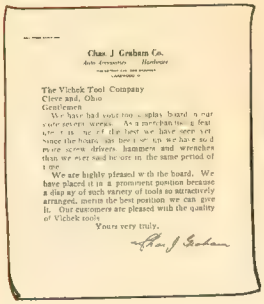
Name

Address

Jobber

Your Customer Becomes His Own Salesman

Here's The Proof



Chas. J. Graham Co.
Auto Accessories Hardware

The Vlchek Tool Company
Cleve and, Ohio
Gentlemen

We have had your mo splay board in our store seven weeks. As a merchandising feature it is one of the best we have ever had. Since the board was put on we have sold more screw drivers, hammers and wrenches than we ever said before in the same period of time.

We are highly pleased with the board. We have placed it in a prominent position because a display of such variety of tools so attractively arranged, merits the best position we can give it. Our customers are pleased with the quality of Vlchek tools.

Yours very truly,

Chas. J. Graham

This shows the Vlchek Self-merchandising Board in Mr. Graham's store—a real "ask-'em-to-buy" Salesman.

He picks up the tool that attracts him most and examines it. You've got him!

Somehow, the Vlchek Self-Merchandising board does more to make men buy tools than any other kind of display. It does the business, that's sure.

MAIL THE COUPON

Add to your sales-force by having the Vlchek Board in your store. It costs you nothing. The coupon on the other side of this page will bring you full information.

VLCHEK TOOLS

EASY TO SAY VEL-CHEK

JOHNNIE REILLY, The Busy Boy

Note The

DRUM MAJOR

Marvelous Baton Juggling
He Leads the Band
Also Live Stock Parade

Then Again This Happy
Tramp Doing Clever

Versatile Juggling

GOSH DURN YA!

I'll See the Sights If I
Have to Talk to Everybody

RUBING THE GROUNDS

LOUIS LEO, Acrobatic Comedian

SENSATIONAL BALANCING LADDER

COMEDY BARREL TUMBLING

"MAMA'S DARLING"

Simultaneous
Cannon-Ball
Manipulation and
Somersaulting

THE LATEST AND BEST OF ALL FEATURE ATTRACTIONS

AUTO PUSH BALL

WRITE, WIRE or ASK THE MINNESOTA STATE FAIR

A Stupendously Spectacular and Triumphantly Thrilling Game Played By Dauntless, Daring and Palpably Peerless Performers.

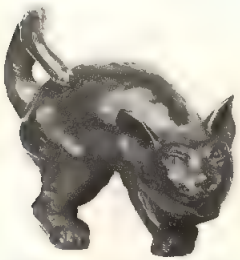
The Original Stars.

A Sure-Fire Repeater—Returns to Minnesota State Fair This Year.

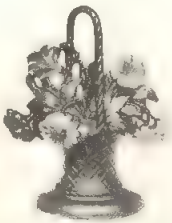
EVERY ACT IN THIS CATALOG CONTROLLED EXCLUSIVELY BY **WORLD AMUSEMENT SERVICE ASSOCIATION, Inc.**

"SERVICE and SATISFACTION"

Door Porters, Ash Trays, Ink Wells, Humidors



J73092—Door Porter: The Curlock is shaped in such a manner as to give the effect of just coming around the door; cast metal, black bronze finish; height to top of tail 9 inches; length 10 inches; startling, unusual and very popular **Each 1 75**

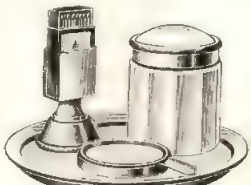


J73093—Door Porter: heavy cast metal, richly enameled in natural colors; height 9½ inches **Each 3 25**

J73095—Bird Door Porter, cast metal, beautifully enameled, shaded blue and white; height 7½ inches; width of base 5 inches **Each 5 50**

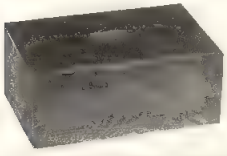
J73095—Door Porter [illegible] natural colors and bronze finish; [illegible] inches **Each 3 50**

J73096—Ash Tray: Dutch silver plated receptacle glass lining; has two cigar rests and [illegible] **Each 1 50**



J73097—Smoking Set: [illegible] silver plated tray, [illegible] cigarette [illegible] glass lining, [illegible] cover, [illegible] cigarette [illegible] **Set 6 50**

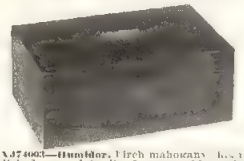
J73098—Double Ash Tray: cast metal, blue bronze finish, [illegible] glass linings; height 3 inches, width 5 inches **Each 6 00**



XJ74002—Humidor: mahogany finish, [illegible] removable moistener; [illegible] has lock and key; size [illegible] inches; holds 50 cigars **Each 9 00**

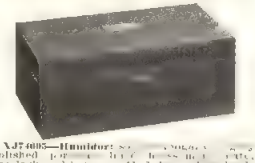
J73099—Cast Metal Ash Tray, Match Holder and Ink Stand, [illegible] with orange glass [illegible] two covered ink wells with [illegible] **Each 7 50**

XJ74000— [illegible] plate **Each 7 50**

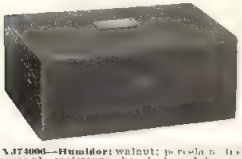


XJ74003—Humidor, birch mahogany [illegible] polished porcelain lined removable moistener; [illegible] has lock and key; size [illegible] inches; holds [illegible] cigars **Each 16 50**

XJ74004—Humidor, mahogany finish, [illegible] cedar lined removable moistener, nickel plated name plate; has lock and key; [illegible] inches; holds 50 cigars **Each 12 50**

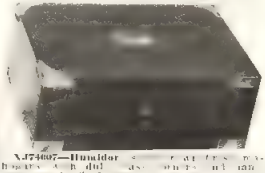


XJ74005—Humidor: [illegible] polished [illegible] has lock and key; size [illegible] inches; holds 60 cigars **Each 20 00**



XJ74006—Humidor: walnut; [illegible] removable moistener; has lock and key and nickel name plate; size 11⅛x8x4⅝ inches; holds 50 cigars **Each 21 00**

XJ74001—Double Ink Well with Pen Rack: cast metal, blue lustre finish, width 8⅝ inches **Each 7 50**



XJ74007—Humidor [illegible] bronze finish, [illegible] lined, removable moistener, has lock and key, size 11⅛x8x4⅝ inches, holds [illegible] cigars **Each 42 00**

WASHING MACHINES

ELECTRIC

The 1900 Cataract Washer is quiet running in every respect, every part accessible, is sanitary because it is easy to keep clean, mechanically good in every detail.

The tub is of heavy, solid copper, heavily tin planished inside and smooth as a glove.

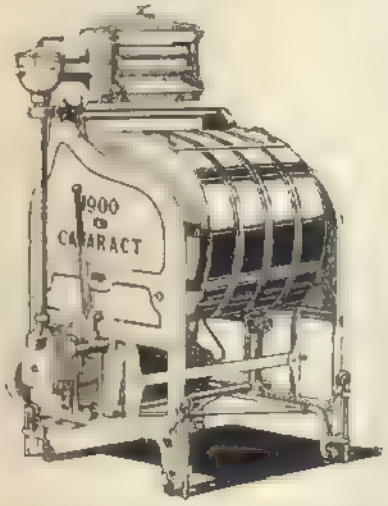
Wringer swings to any position, locks rigidly and operates equally well at any angle and can be reversed and kept going while washer is running; is made of high grade metal, enameled and rust-proofed.

The rolls are made of para elastic soft rubber.

The washer is mounted on casters which makes it easy to move to any desired position.

Adjustable rods when lowered make it possible to level up the washer on an uneven floor

1900 MODEL D CATARACT WASHER



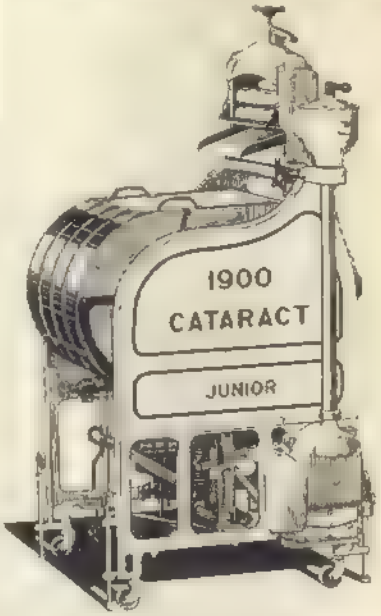
With New Safety Wringer

The capacity of this machine is 8 double sheets or 12 pounds of dry clothes

Motor to operate on 110, 220 or 32 volt current, direct or alternating, can be furnished.

1900 Model D Cataract—Floor space required 29x33 inches; height to top of wringer frame 51 inches; weight each 270 pounds .....Each $330.00

1900 MODEL F (JUNIOR) CATARACT WASHER



With New Model D Wringer

The capacity of the "Junior" is 6 double sheets or 9 pounds of dry clothes.

Motor to operate on 110, 220 or 32 volt current, direct or alternating, can be furnished.

1900 Model F (Junior) Cataract—Floor space required 25 ¾ x 26 in., weight each 225 pounds...Each $270.00

WASHING MACHINES

EAGLE

Hydra, Water Motor

The Hydra works on a lower pressure than any other motor. It is simple and sturdily constructed and is fool and trouble proof. Motors have only one stuffing box; the double cupped leather piston makes them perfectly water tight No coil springs, no exposed gears.

Reinforced brass cylinder protected by a heavy galvanized iron casing; has brass strainer over inlet chamber to protect the valves and insure their opening and closing properly.

Hydra—Louisiana red cypress, high grade water proof varnish; kiln dried and corrugated sides and bottom; weight each about 70 pounds.....Each $50.00

IRONING MACHINES

ELECTRIC

1900 Ironer

Shoe and roll type. Has a 44 inch roll and cast iron ironing shoe. Automatic heat control operated by positive thermostat maintains uniform and correct temperature of ironing shoe. Quiet running motor, sturdy and reliable. Steel cut gears with foolproof oiling system Foot treadle extends across entire width of machine

Adjusting wheel allows leveling up machine on an uneven floor. Drying rod fits either end and swings to any desired position. Heated by gas or electric. Motor furnished for 110, 220 or 32 volts, direct or alternating current; heating units 110 or 220 volts.

1900 Ironer—With thermostatic gas control; ironing speed 10 ½ feet per minute.....Each $400.00

1900 Ironer—With electric heating units...Each 430.00

CLOTHES WRINGERS

BRIGHTON

Warranted 1 Year

Hardwood frame, plain metal bearings, flat steel spring, galvanized metal parts, "Hold-Fast" tub clamps open 1⅝ inches, for galvanized iron, wood or fibre tubs.

No. 110—10x1¾ inch rolls; weight per dozen 265 pounds . . . . . Per Dozen **$110.00**

Quarter dozen in a box.

BICYCLE

Warranted 3 Years

Enclosed cog wheels, steel ball bearings, hardwood frame flat steel spring, galvanized metal parts, "Hold-Fast" tub clamps open 1⅝ inches, for galvanized iron, wood or fibre tubs, high grade rolls.

No.	771
Rolls, inches	11x1¾
Weight per dozen, lbs	290
Per Dozen	$122 00

Quarter dozen in a box

WRINGER ROLLS

WITH COG WHEELS

For No. 110 Brighton, 3 Year Quality

No. 39—Upper, 10x1¾ inch; standard quality; weight each 3¾ pounds . . . . . Per Dozen **$28 00**

No. 40—Lower, 10x1¾ inch; standard quality; weight each 4 pounds . . . . . Per Dozen **$28 00**

For Nos. 771 and 771B Bicycle, 3 Year Quality

No. 33—Upper, 11x1¾ inch; standard quality; weight each 4 pounds . . . . . Per Dozen **$39.00**

No. 34—Lower, 11x1¾ inch standard quality, weight each 4¼ pounds . . . . . Per Dozen **$39 00**

Open stock

CLOTHES WRINGERS

FOLDING BENCH

BICYCLE

Warranted 3 Years

Enclosed cog wheels, hardwood, frame and bench, steel ball bearings, flat steel spring, galvanized metal parts.

Reversible water board conducts the water into either tub.

Bench will hold two tubs or a tub and clothes basket. Patent bench braces prevents legs from slipping. Can be folded up when not in use

No.	771B
Rolls, inches	11x1¾
Weight per dozen, lbs	530
Per Dozen	$200 00

One in a crate.

WASH BENCHES

EAGLE

Superior, Folding.

Kiln dried hard maple finish, varnished; bases and standards reinforced with stamped steel braces; reversible water board folds compactly; rigid and strong.

Superior Folding—Holds 10, 11 or 12 inch clothes wringer, two tubs or one tub and basket; shipping weight 25 pounds . . . . . Each **$4 50**

Quarter dozen in a crate

WASH TUBS

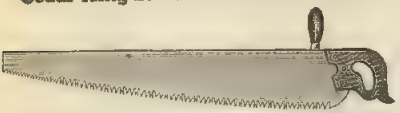
EAGLE

Made of best red cypress, natural finish. Electric welded wire hoops and flat iron hoop at bottom. Handles are regulation size

Nos.	1	2	3
Diameter top, inches	25½	22¾	20¾
Diameter bottom, inches	22¾	19⅞	18
Height, inches	12¼	10¾	9½
Capacity gallons	17½	12	9
Weight dozen, lbs	215	165	125
Per Dozen	$20 00	24.00	30.00

Six in a bundle, nested

Cedar King Skew Back One Man Saw

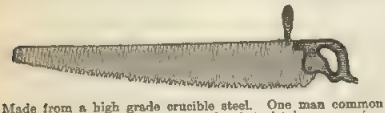


Made from a special fine crucible steel. Ground similarly to high grade hand saws. Tooth edge is an even thickness. Blade tapers gradually from point to back, giving blade clearance and permits saw to run easily with very little effort. Especially adaptable for heavy cutting. No. 389.

Price Each with Handles

Length, feet	3	3½	4	4½	5	5½	6
Price each	$4.75	$5.25	$5.50	$6.00	$7.00	$7.50	$8.00

One Man Tuttle and Common Tooth Saws



Made from a high grade crucible steel. One man common tooth saws made from the same grade of steel take same price. Specify what style tooth when ordering No. 390.

Price Each with Handles

Length, feet	3	3½	4	4½	5	5½	6
Price each	$3.00	$3.50	$4.00	$4.50	$5.00	$5.50	$6.00

One Man Saw Handles

For One Man Saws No. 2

Made of carefully selected hardwood, thoroughly seasoned and dried. Varnished edge, well finished. Easy Grip pattern.

Price each ..... $0.45.

Supplementary Handles

For One Man Saws

Made of air dried hardwood stock. Malleable iron bolt with locked rivet to prevent it from being detached.

Price each $0.25

No. 8 Loop Pattern

Cross Cut Saw Handles

Made of specially selected, thoroughly seasoned hardwood stock. Socket and washer of extra high grade cast steel. Loop of extra heavy, high tensile strength steel, spot electric welded.

Price per dozen pairs $4.75
Price per pair ..... .50

Climax Pattern Cross Cut Saw Handles No. 11

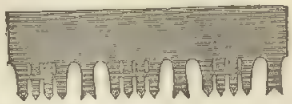
Reversible

Made of thoroughly seasoned selected stock. Extra heavy cast steel clasp and washer. Malleable iron bolt, with lock rivet feature, preventing rivet from being detached.

Price per dozen pairs $5.00
Price per pair ..... .50

Two Man Cross Cut Saws

Silver Steel Perfection No. 4



This saw is made from a special steel which takes a very high temper and will hold its cutting edge longer than any other saw made. It is ground 14-gauge on tooth edge and 19-gauge in the center on back and 16-gauge on ends of back. In filing, it is only necessary to set the teeth to clear top at gullet. It will run in green or dry lumber with less set and greater ease than any other saw. It has four sets of cutting teeth set between a set of swaged shaped rakers and is perforated. The perforations strengthen the tooth and when teeth have been filed down to the perforations it is only necessary to file through them to regum the saw. The Perfection is especially adapted for sawing hardwood and frozen timber.

Length, feet	4½	5	5½	6
Price each	$3.60	$4.10	$4.60	$5.60

Tuttle or Champion Tooth

Made from high grade crucible steel, ground 14x16 and 14x18 gauge. This saw has two sets of cutting teeth between a set of rakers, and is a good medium-price tool.

Common or Tenon Tooth

When ordering specify style of tooth required.

Tuttle and Common Tooth Cross Cut Saws

Length, feet	4½	5	5½
14x16 gauge. Price	$3.60	$4.10	$4.80
Length, feet		6	6½
14x16 gauge. Price each		5.60	6.40

Great American Tooth

Ground 14x16 and 14x18 gauge. The saw has no rakers and has three sets of cutting teeth between the gullets, the back of the teeth at the gullets acting as a raker.

Length, feet	4½	5	5½
14x16 gauge. Price each	$3.60	$4.10	$4.80
Length, feet		6	6½
14x16 gauge. Price		$5.60	$6.40

Century BICYCLES

With the Best of Standard Equipment

Pay for them after you sell them! That's what "April 1st Dating" on bicycles means to you. Moreover, we ship within 24 hours from receipt of order. Think how that helps you to turn your stock.

Construction of all "Centurys"

Seven reasons why "Century" Bicycles are so easy to sell and are trouble proof:

Frame—20 gauge seamless tubing

Joints—Flush reinforced fishtail.

Crank Hanger—Drop forged, 1 piece.

Sprocket—Special design, machined and polished.

Spokes—Standard Co's best.

Chain—Roller, ½ in. pitch, easy riding.

Cups and Cones—Lathe turned from solid bar, polished.

Guarantee

Every part is guaranteed for 12 months from date of purchase against defects in workmanship or material. Any parts will be replaced without charge when sent direct to us, transportation charges prepaid. Returns must come through the merchant from whom you bought. We make no allowance for repairs made locally. Tires are guaranteed for the season in which they are purchased. Tires are not guaranteed against punctures or blowouts.

"SCOUT" MODEL

Finished in a rich blue with a white outlined spearhead. 1 in. crate.

BOYS'

1K1465—17 in. seat post. 24 in. crank. Hanger. 26 in. frame. Red stain tires. Troxel's "Scout" saddle. Fits 24 in. inseam measurement. Each **$25.50**

5 or more. Each **24.00**

➡10 or more. F. O. B. Fact. in Southern Ill. Each **$23.00**

YOUTHS'

1K1463—15 in. seat post. 7 in. crank hanger. 24 in. frame. Troxel's Top Notch saddle. Fits 22 in. inseam measurement. Red tires. Each **$26.25**

5 or more. Each **24.75**

➡10 or more. F. O. B. Fact. in Southern Ill. Each **$23.75**

Quantity prices apply on all orders for specified quantities—one model or assorted models.

GIRLS'

1K1467—17 in. frame. Troxel's saddle. 26 in. x 2 in. Red Stud tires. Coaster brake and new style guard. Red lacing and tire guard. Each **$26.00**

5 or more. Each **24.50**

➡10 or more. F. O. B. Fact. in Southern Ill. Each **$23.40**

WOMEN'S

1K1462—15 in. frame. Troxel's comfort saddle. 17 in. chain tread tires. Complete with chain guard and mud guard with lacing. Each **$29.50**

5 or more. Each **28.00**

➡10 or more. F. O. B. Fact. in Southern Ill. Each **$27.00**

Equipment of all "Centurys"

Equipment plays a big part in selecting a bicycle. "Century" bicycles have the best of standard equipment.

Coaster Brake—"New Departure."

Front Hub—"New Departure."

Tires—
Adult—U. S. Giant Chain.
Juvenile—U. S. Red Stud.

Mud Guards—All models fitted with deep side motorcycle type.

Saddle—"Troxel"

Handle Bars—"Kelly" triple plated, motorcycle rubber grips.

Pedals—Ball bearing, rubber tread

Stand—Channel iron, latches to mud guard.

Finish

The famous "Century" finish is obtained from anti-rust and primary coats, hand rubbed and sanded and then finished with deep rich enamels applied with air brush and then overbaked to a hard china-like surface. Steel brazed enameled mudguards match the color scheme of the frame

"DELUXE" MODEL

Flush Joints
Solid Brazed Fork

Note these special features on this bike only: Braced handle bars, electric lamp, luggage carrier, autotone horn and large frame tank.

For men and youths, 20 in. frame with steel tank, shaped and double brazed fork, girls' model 18 in. frame, all in finish enamel or duco lacquer, deep rims, all fully equipped with frame lock, splasher, Troxel No. 2 motorcycle saddle, leather grips, coaster brake, ball bearing pedals, stand, bell, lamp and tools, all ball bearing throughout.

MEN'S

1K1472—24 in. frame. Fitted with U. S. Tire Co's giant chain, single tube tires. Each **$33.00**

5 or more. Each **31.50**

➡10 or more. F. O. B. Fact. in Southern Ill. Each **$29.90**

YOUTHS'

1K1476—19 in. frame. 25 in. inseam. crotch to toe. 22 in. U. S. Giant chain tires. Each **$33.00**

5 or more. Each **31.50**

➡10 or more. F. O. B. Fact. in Southern Ill. Each **$29.90**

"PERFECTION" MODEL

Flush Joints
Solid Brazed Fork

Factory Shipments

Units of 10 bicycles will be shipped F. O. B. Factory in Southern Illinois. Our prices ➡ give you every lasting we effect through direct service from our factory

Braced Handle Bars

Finished in a beautiful cherry red with white head and trim. "Perfection" is the one word that fits this model exactly.

For men, double brazed truss fork, 20 in. double bar motorbike frame, 28 in. U. S. Giant chain tires, braced motorbike handle bars, rubber grips, deep side guards to match frame, Troxel No. 2 motorcycle saddle, leather grips, coaster brake, spring fork, ball bearing pedals and tank, electric headlight, tool box, pump, etc.

1K1470—U. S. Tire Co's giant chain tires. Fully equipped with lamp, horn, tool box, pump, etc. Each **$28.75** 3 or more. Each **$27.25**

➡10 or more shipped F. O. B. Factory in Southern Ill. Each **$26.50**

Above quantity prices apply on all orders for specified quantities—one model or assorted models.

BICYCLE TIRES and TUBES

NEW CUSHION TREAD "ORINOCO" TIRES

3 layers of 2 ply fabric, automobile tire tread stock, black studded non-skid tread, white side walls. Fully guaranteed

Single Tube—		Clincher Casing
1K976—26 x	Each	1K978—28 in.....Each $2.00
1K977—28 "	$1.40	
1K979—24 "		

U. S. RUBBER CO'S TIRES

"Giant" Chain Single Tube

1K974—26 in. 3 ply automobile tire tread stock, black tread. "Giant Chain" tread design with white side walls.

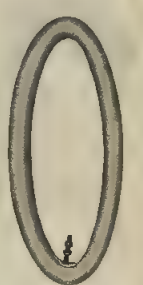
Each $1.60

"Traxton" Tread Cord Tires

1K973—28 in. made of the same materials as U. S. automobile cord tires, black tread, white side walls.

Each $1.62½

ENDLESS INNER TUBE



1K1038—"G & J," endless type, for use with clincher casings, lap-sealed gum stock, extra heavy. 1 in box.

Each 65c

BICYCLE SUNDRIES

"Bull Dog" Guaranteed Tire Tape

Packed in a litho counter display box that will multiply your sales considerably

"Bull Dog"—½ in. fabric coated with highly adhesive rubber composition, guaranteed to keep 12 months. Each in litho box.

1K1016—1 cent roll. To sell for 5c per roll. 20 rolls in carton CARTON ($1.00 rolls) **90c**

1K1018—5 cent roll. To sell for 10c per roll. 10 rolls in carton CARTON ($1.00 rolls) **90c**

"TROXEL" SADDLE

1K1039 — "Top Notch," molded motorcycle type, hair stuffed, moulded leather leg, veneer base.

1 in pkg Each $1.35

BICYCLE PEDAL

1K1066—Ball-bearing, spindle and cone machined from solid bar, heavy rubber cushions

1 pair in box. . Pair 85c

"NEW DEPARTURE" BELL

1K1118—2 in., nickeled, ball-bearing. 1 doz. in box.

Doz $2.10

"SEISS" AUTO TYPE HAND HORN

1K1128—Junior size auto horn, steel gears, brass bushings, black enameled case.

1 in carton. . Each 65c

"DELTA" ELECTRIC LAMP

1K1100—Black enameled, attaches to Rub. throws white beam forward shows red light rear complete with lamp bracket, battery, case with switch and wire

1 in carton . Each $1.40

"NEW DEPARTURE" CYCLOMETER

1K1107—Nickel plated brass, attaches to fork, accurately registers mileage

1 in box... Each 75c

HANDLE BAR LUGGAGE CARRIER

1K1045—13 in. long, 6 in. wide, 5 in. deep, reinforced wire, steel braced, 3 leather straps

1 in pkg Each 60c

TOOL KIT

1K1117—Leather wallet containing wrench, oiler, tire gauge and tire repair kit.

1 in carton Each 95c

ROLLER CHAINS

Best chain steel, smooth running and durable, 56 in. long. 1 in pkg

1K1065—½x⅛ in.

1K1064—½x⅜ in.

Each $1.20

REPLACEMENT WHEELS

Striped aluminum finish rock elm rim, 1 in pkg.

1K1048—Front wheel, 28 in. No. 2 spoke and nipples. New Departure hub

Each $2.75

1K1050—Rear wheel, 28x1¾ in., 9 spoke hub with "New Departure" coaster brake.

Each $6.50

"DUTCH BRAND" CEMENTS

Nationally Advertised

Rubber Patch Cement—½x3 in., collapsible metal tubes, screw top.

1K1140 — 1 doz tubes in box

Doz tubes 42c

Rim Cement—2 oz. bottle, with swab, good for either wood or metal rims.

1K1148—1 doz. in box Doz 90c

"NEVERLEAK" TIRE FLUID

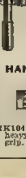
1K1095—4 oz. tube, by injecting through tire valve it seals punctures and porousness. Made by the Buffalo Specialty Co. Universally known

1 doz. in display carton box $1.85

"SAMSON" BRASS TIRE PLUG

1K1105—The standard punch screw driver, metal handled screw

1 doz. in box Doz 35c



TELESCOPE PUMP

1K1035 — 8 in. long, nickel plated barrels, 3 ply hose with valves connection complete with clamp

Each 40c

HANDLE BAR GRIP

1K1041—6 in. motorcycle type heavy red rubber corrugated grip. ½ doz. pairs in carton

Doz pairs $2.00

APRIL 1st DATING

On any general bill of Sporting Goods (including Footwear) amounting to $50 or more, Auto Tires and Accessories, amounting to $50 or more, or a combination order of $75 from these departments, we will allow the following terms

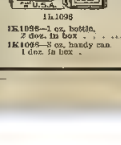
Invoice To Date As April 1

2% 10 days, 1% 30 days, net 60 days

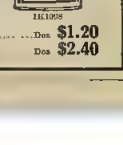
"3 IN 1" OIL

A Volume Seller For You

Cleans, polishes and lubricates. A nationally advertised and known product.



1K1096



1K1098

1K1096—2 oz. bottle, 2 doz. in box . . . . . Doz $1.20

1K1098—3 oz. handy can 1 doz. in box . Doz $2.40

Century BICYCLES

With the Best of Standard Equipment

You can sell more bicycles when you push this strong "Century" line. Look it over. We carry stock for you. Moreover, we ship within 24 hours from receipt of order. Think how that helps you to turn your stock.

Construction of all "Centurys"

Seven reasons why "Century" Bicycles are so easy to sell and are trouble-proof:

Frame—20 gauge seamless tubing.

Joints—Flush reinforced fishtail.

Crank Hanger—Drop forged, 1 piece.

Sprocket—Special design, machined and polished.

Spokes—Standard Co's best.

Chain—Roller, ½ in. pitch, easy riding.

Cups and Cones—Lathe turned from solid bar, polished.

Guarantee

Every part guaranteed for 12 months from date of purchase, against defects in workmanship or materials. Any parts will be replaced without charge when sent direct to us transportation charges prepaid. Returns must come through the merchant not the rider. We make no allowance for repairs made locally. Tires are guaranteed for the season in which they are purchased. Tires are not guaranteed against punctures or blowouts.

"SCOUT" MODEL

Finished in a rich blue with a white outlined spearhead. 1 in crate.

BOYS'

1K1465—17 in. at seat post, 5¼ in. crank hanger, 26 in. U. S. red stud tires, Troxel's Scout saddle. Fits 24 in. [illegible] measurement.
Each **$25.85**
5 or more, Each **24.35**

YOUTHS'

1K1463—19 in. at seat post, 7 in. crank hanger, 28 in. U. S. chain tires, Troxel's "Top Notch" saddle. Fits 27 in. [illegible] and larger
Each **$26.60**
5 or more, Each **25.10**

GIRLS'

1K1467—17 in. frame, Troxel's saddle, 28 in. U. S. Red Stud tires, cord lacing and mud guard but no chain guard.
Each **$26.25**
5 or more, Each **24.75**

WOMEN'S

1K1462—20 in. frame, Troxel's comfort saddle, U. S. chain tread tires. Complete with chain guard and mud guard with lacing.
Each **$29.85**
5 or more, Each **28.35**

Quantity prices apply on all orders for specified quantities—one model or assrtd. models.

Equipment of all "Centurys"

Equipment plays a big part in selecting a bicycle. "Century" bicycles have the best of standard equipment.

Coaster Brake—"New Departure."

Front Hub—"New Departure."

Tires—
Adult—U. S. Giant Chain.
Juvenile—U. S. Red Stud.

Mud Guards—All models fitted with deep side motorcycle type.

Saddle—"Troxel."

Handle Bars—"Kelly" triple plated, motorcycle rubber grips.

Pedals—Ball-bearing, rubber tread.

Stand—Channel iron, latches to mud guard.

Finish

The famous "Century" finish is established from anti-rust and primary coats, hand rubbed and enamel and then finished with deep rich [illegible] up coat which [illegible] to a hard elastic surface. Steel braced mud guards match the color scheme of the frame.

"DELUXE" MODEL

Flush Joints
Solid Brazed Fork

Note these special features on this bike only: Braced handle bars, electric lamp, luggage carrier, autotone horn and large frame tank.

For men and youths, motorbike frame with steel tank, shock-proof double brazed fork [illegible] with rubber grips deep side guards, enameled to match frame, leather splasher, Troxel No 2 motorbike saddle, leather upholstered, double coil springs, channel iron stand, folding and latching, ball bearing pedals, rubber tread.

MEN'S

1K1472—21 in. frame, fitted with U. S. Tire Co's giant chain single
Each **$33.35**
5 or more, Each **31.85**

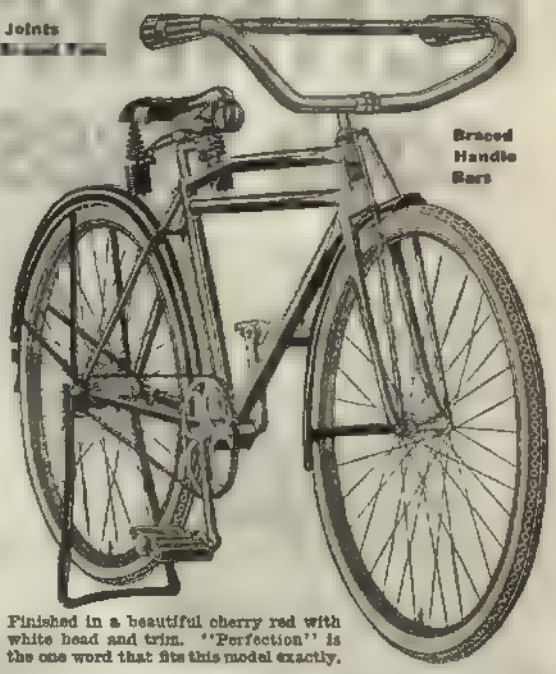
YOUTHS'

1K1476—19 in. frame, 25 in. inseam crotch to toe. 28 in. U. S. Giant chain tires.
Each **$33.35**
5 or more, Each **31.85**

"PERFECTION" MODEL

Flush Joints
[illegible]

Braced Handle Bars



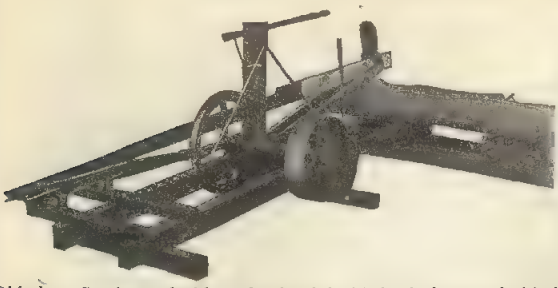
Finished in a beautiful cherry red with white head and trim. "Perfection" is the one word that fits this model exactly.

For men, double brazed truss fork, 20 in. double bar motorbike frame, 28 in. U. S. Giant chain tires, braced motorbike handle bars rubber grips, deep side guards to match frame, Troxel No 2 motorbike saddle, upholstered leather double coil springs, channel iron stand, folding and latching, ball-bearing pedals, rubber tread. 1 in crate.

1K1470—U. S. Tire Co's giant chain tires.
Each **$29.10** 5 or more, Each **$27.60**

Above quantity prices apply on all orders for 5 bicycles—one model or assrtd. models.

"Champion" Friction Feed Drag Saw



The friction is positive and effective. Will start, stop or reverse instantly by a very slight motion of the feed lever without any effort on the part of the operator. This enables the operator to feed logs ahead or back and stop at any point without running back or losing time.

Main frame is 26 inches wide and 8½ feet long, made of 3½x5½ seasoned hardwood. Track is 27 inches wide by 16 feet long, made of 2¼x4-inch timbers.

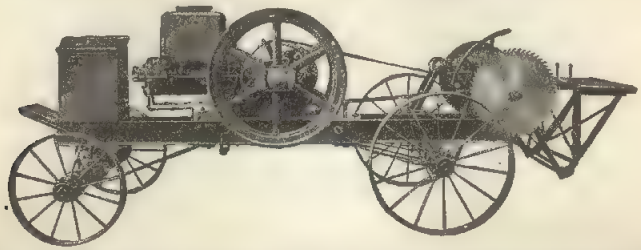
Balance wheel is counter-balanced, imparting a strong, steady motion and is arranged to change the stroke from 16 inches to 20 or 24 inches. Saw is raised with one hand and the friction feed operated with the other, thus changing and setting for a new cut without slowing down or stopping. Saw guide is provided.

Two to four horse power will operate this machine to good advantage. More power will give greater capacity. Capacity is 30 to 40 cords of wood per day. Speed recommended is 125 to 175 strokes per minute. Shipping weight complete is 1300 pounds.

Price complete with one saw and pulley or universal coupling **$170.00**
Price complete with one saw and tight and loose pulley **184.00**
Price complete with one saw and without power feed **155.00**

Channon Portable Wood Sawing Outfit

Horizontal Hopper Cooled Engine, Hit and Miss Type for Gasoline or Throttling Governor for Kerosene



The truck is of steel construction throughout and equipped with a substantially constructed steel tilting saw table. This rig has an additional I-beam extending from the center of the truck to the rear end, thus giving the sawing table a three-point bearing, making a very rigid support. This is an exclusive feature of these outfits and one to be carefully considered by the purchaser. This outfit is shipped completely assembled as illustrated above, including saw, belt, belt tightener, pole, neckyoke and doubletrees. The above illustration shows the hit and miss gasoline type of engine. The throttling governor type is identical with the exception of the engine proper. When ordering, use style numbers given in tables.

Use This Table for Ordering Hit and Miss Gasoline Engines

Style No. Thr't Gov Eng	Style No. Hit & Miss Eng.	Horse Power	Eng Speed Rev. per Min.	Saw Speed Rev per Min.	Engine Flywheel Diam. and Face Inches	Std. plain Eng Pulley Dia., Face In	Saw Pulley Dia & Face In.	Dia. of Saw In	Truck Wheels Inches	Tread in In	Tires in In.	Fuel Tank Cap Gal.	Hop. Tank Can. Gal.	Approx Domestic Ship. Weight complete	Approx Export Ship Weight complete	Aprx. Cubic Feet for Export	Price
. .	817	6	450	1450	30x2½	16x6	5x6	26	36x26	56	4	7	10½	1650	2300	258	**$350.00**
. . .	837	8	425	1360	34x2½	16x6	5x6	28	36x26	56	4	7	11	2050	2700	278	**415.00**

Use This Table for Ordering Throttling Governor Kerosene Engines

818	. . .	6	450	1450	20x2½	16x6	5x6	26	36x26	56	4	7	10½	1650	2300	258	**$350.00**
838	.	8	425	1360	34x2½	16x6	5x6	28	36x26	56	4	7	11	2050	2700	278	**415.50**

POST DRILLS

CHAMPION

Cast iron frame and feed table; machine cut gears; steel table post, shafts, axles, and chuck; adjustable table can be swung out of way; automatic self-feed.

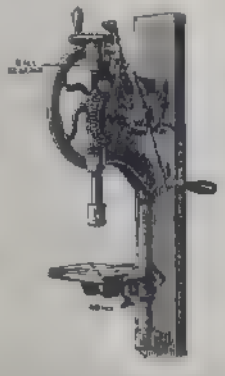
The cups and cones on Nos. 1900, 95 and 91 are both made from die steel and will save 20% to 50% in power, depending on size of hole being bored.

Ball-bearing; has two speeds with double journal bearings; the automatic quick return lever saves ⅓ the time, it can be thrown into place, where it remains until the bit is raised out of the work when it automatically stops, requiring no attention whatever, and is again ready to start the next hole; round table, diameter 7x8 inches; drill bolted to hardwood board 46x6 inches

Each

No. 96—Diam fly wheel 14 ins; drills holes up to 1¼ ins, and to center of 15½ in. circle; has 3 in. up-and-down run; never slip chuck takes ½ in. shank bits..... $63 00

One in crate; wt each 135 lbs.

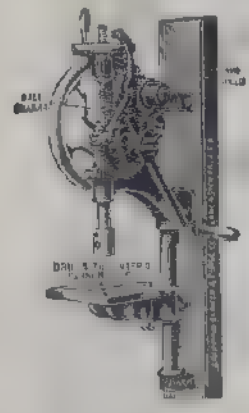


Ball-bearing; a very useful and valuable drill; capable of doing a great range of work; square table, size 7x8 inches; drill bolted to hardwood board 46x6 inches.

Each

No. 1900—Diam fly-wheel 14 ins; drills holes up to 1¼ ins, and to center of 16 in. circle; has 3½ in. up-and-down run; never slip chuck, takes ½ in. shank bits..... $48 00

One in crate; wt each 116 lbs.



Ball-bearing; a strictly first class drill, has full back gears with two speeds of the crank, and crank has forward motion on both the first and second speeds—no need of reversing crank; square table, size 7x8 in.; drill bolted to hardwood board, 46x6 inches.

Each

No. 95—Diam fly-wheel 14 ins; drills holes up to 1¼ ins, and to center of 15 in. circle; has 3 in. up-and-down run, never slip chuck takes ½ in. shank bits..... $47 25

One in crate; wt each 110 lbs.

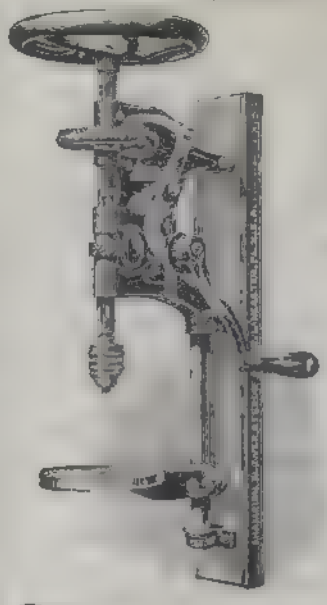
Ball-bearing; this is a strong, stout proportional drill for a drill of this size; it has full back gears and built in same careful manner as our better grades; square table, size 7x8 in.; drill bolted to hardwood board 46x6 inches.

Each

No. 91—Diam fly-wheel 14 ins; drills holes up to 1 in., and to center of 14½ in. circle; has 3 in. up-and-down run; spindle 1⅛ ins in diam; never slip chuck takes ½ in. shank bits $35 25

One in crate; wt each 92 lbs.

POST DRILLS



CHAMPION

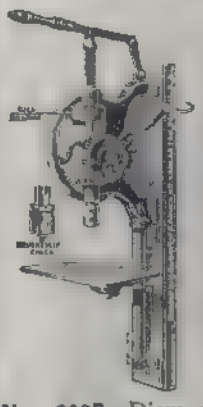
Worm Gear.

Runs absolutely noiseless; equipped with automatic self-feed, which feeds practically continuous, cutting at a variety of speeds. Finished in black enamel.

Each

No. 300—Travel of spindle 2⅝ in capacity; from smallest to ½ in; height over all 32 ins; drills to center of 12 in circle; greatest distance between chuck and table 7 ins; length of column 25 ins; diam column 1¼ ins; chuck has three jaws taking straight shank bit up to ½ in..... $42 00

One in crate; shipping wt 73 lbs



CHAMPION

Lever Feed.

Back geared drill designed for light and quick work in connection with drilling holes in batteries; it is furnished with a large table together with an extensive up and down run of spindle. Spindle has end thrust ball-bearings made of lathe turned tool steel. All bearings ground out of solid metal without use of babbitt.

The drill will bore holes from 0 to ¾ inch, and will drill to a 14 inch circle.

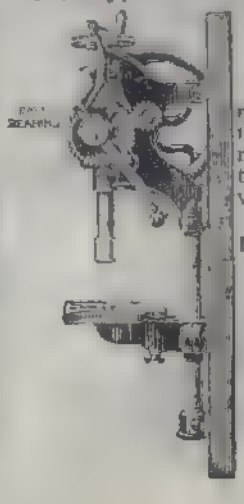
Each

No. 1008—Diam spindle 1 in; up and down run of spindle 3½ ins; greatest distance from table to spindle 24 ins; height of drill 52 ins; spindle bored to take ½ in. shank bits..... $39 75

Crated; shipping wt each 147 lbs.

CHAMPION

Cast iron frame and feed table, machine cut gears; steel table post, shafts, axles, and chuck; adjustable table can be swung out of way; automatic self-feed.



Ball-bearing; the gears in this drill revolve on studs in full back gear with two speeds to the crank; motion of handle must be reversed on second speed; square table size 7x8 in.; drill bolted to hardwood board 46x6 ins.

Each

No. 93½—Diam fly-wheel 14 ins; drills holes up to 1¼ ins, and to center of 15 in. circle; has 3 in. up-and-down run, spindle 1⅛ ins in diam; never slip chuck, takes ½ in. shank bits..... $40 50

One in crate, wt each 109 lbs

POST DRILLS

CHAMPION

Cast iron frame and feed table, machine cut gears; steel table post, shaft, axels and chuck; adjustable table can be swung out of way; automatic self-feed.

Ball-bearing; the bearings for the spindle are all ground from the solid metal; back gear with one speed. Round table, diameter 7¼ in.; drill bolted to hardwood board 40½x5½ ins.

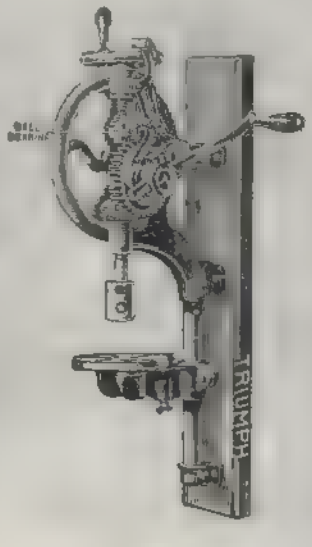
Each

No. 98—Diam fly-wheel 14 ins; drills holes up to 1 in, and to center of 14 in. circle; has 3 in. up-and-down run; spindle 1 in. in diam; never slip chuck, takes ½ in. shank bits.....$32 25

One in crate; wt each 90 lbs

TRIUMPH

Cast iron frame and feed table; steel table post, shaft, axle and chuck. Adjustable table can be swung out of way.



Automatic Self-Feed.

With back gears and with one speed for the crank. Lathe turned and slotted round table, diameter 6½ ins.; drill bolted to hardwood board 36x5¼ in.

No. 71—Diam fly-wheel 12 ins; drills holes up to ¾ in. and to center of a 12 in. circle; has 3 in. up-and-down run; spindle ⅞ in. in diam; chuck takes ½ in. shank bits.....$28 50 — Each

One in crate; wt each 77 lbs.

Single Gear, Hand Feed. For Hand and Power.

The spindle is made of steel; bearings all ground out of solid metal slotted round table, diameter 6½ in.; drill bolted to hardwood board 36x5¼ ins. Each

No. 71½—Drills holes 1/64 to ¾ in. and to center of a 12 in. circle; has a 3 in. up-and-down run; spindle ⅞ in. in diam; chuck takes ½ in. shank bits.....$21 00

One in crate; wt each 55 lbs.

POST DRILLS

With Iron Standard. For Hand and Power.

Automatic self feed, round table 13¼ in. in diameter; rigid iron standard.

No babbitt is used, the bearings all being ground out of solid metal. Table is raised and lowered by a rack which is quick in action and can be turned back out of the way. It is furnished with a wheel hanger for drilling painted wheels.

Power required to operate ½ H. P. gasoline engine or electric motor.

Each

No. 203½P—Diam fly-wheel 25 ins; 11 in. tight and loose pulleys with 2½ in. face; should be operated at 80 R. P. M.; drills holes up to 1½ ins and to center of 21 in. circle; has up-and-down run of 5½ ins; spindle bored to take 9/64 in. shank bits diam spindle 1¼ ins; height over all 72 ins.....✣$291 00

Crated; wt each 625 lbs.

CHAMPION BACK-GEARED

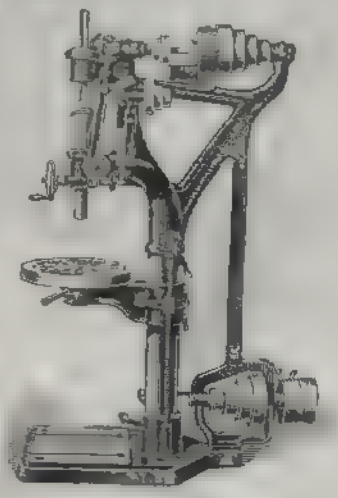
With Iron Standard and Base.

Drills with perfect accuracy holes up to 1½ ins. All gears are machine cut. The bearings are large and powerful. The change from plain to back geared drill is done in an instant by simply sliding the gears. Has eight speeds with three distinct and complete feeds—Power, Wheel and Lever-Feed.

Power required to operate 1 H. P. gasoline engine or electric motor.

Speed 300 R. P. M.; hole in spindle bored to fit Morse Taper No. 4.

Note—Illustration shows No. 22. No. 20 is without brace from lower cone pulleys to frame.



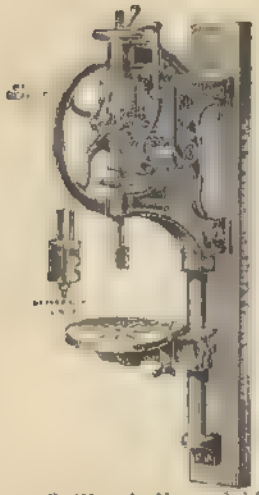
Nos.	20	22
Size, back gear, ins	20	22
Height, ins	75	76
Distance between table and spindle, ins	28¾	27
Distance between spindle and base, ins	44	43
Distance from column to center spindle, ins	10	11
Diam columns, ins	5½	5
Diam table, ins	16	18
Diam spindle, ins	1¼	1
Size, tight and loose pulleys, ins	8x2¾	8x2
Floor space required, ins	16x44	19 x47
Wt each, lbs	815	1150
Each	$525 00	✣630 00

Crated.

✣F. O. B. Pennsylvania Factory Only.

POST DRILLS

CHAMPION



Ball Bearing, Combination Automatic Self-Feed and Double Compound Lever Feed

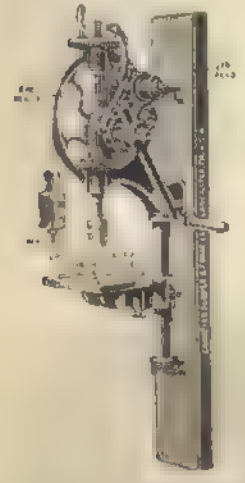
The double compound lever feed produces 80% more pressure at point of drill than any other power or hand drill. The automatic self feed and double compound link and rack lever feed are both independent of each other and are changed from one to the other in the fraction of a second. With either feed, the drill spindle has instantaneous return of the drill bit out of the hole drilled and again instantaneous return on the material for the next hole.

Drill spindle and bit are positively always raised up or down while using either feed, by the use of the quick acting lever. Has two speeds with three gears, in order to give the second speed same turning directions of the crank as the first speed. All end friction is taken from the drill spindle by the use of ball bearings. The lever makes it especially convenient for wood boring. Drills to the center of a 10 inch circle. Has spindle 1¼ inches in diameter has an up-and-down run of 4 inches. Greatest distance from table to spindle, 11 inches. Height of drill, 51 inches. Drills holes up to 1¼ inches

Spindle bored like Never Slip Chuck to take in ½ inch straight shank drill bits. If specially ordered will be bored for ⅝ inch or ¾ inch.

No. 200—With crank for hand power only; weight 200 pounds ..... Each **$65.00**

★**No. 200P**—With tight and loose pulleys, 6x2 inches; speed 250 R. P. M., weight 205 pounds..... Each **$75 00**



Ball Bearing, Self-Feed, Three-Geared.

Has three gears to give second speed same turning direction of the crank as the first speed

It has two speeds that turn the same direction

All bearings are ground out of the solid metal

No babbitt used on this drill.

The end thrust ball bearings save 20 to 50 per cent. in power and are made from the highest grade of lathe-turned tool steel.

Has automatic self-feed

It has lathe-turned and slotted table.

Champion drills are all machine jigged, therefore all parts are absolutely standard and interchangeable.

Spindle bored like Champion "Patented" Never Slip Chuck to take in ½ inch straight shank drill bits. If especially ordered to take in ⅝ or ¾ inch

Drills to the center of a 15 inch circle.

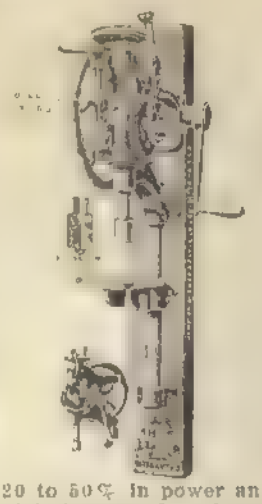
Drills from 0 to 1¼ inch hole

Spindle 1¼ inches in diameter; has up-and-down run of 3 inches.

Greatest distance from table to spindle, 10 inches Height of drill, 46 inches.

No. 95—With crank for hand power only; weight 120 pounds ..... Each **$35.00**

★**No. 95P**—With tight and loose pulleys, 6x2 inches, speed 250 R. P. M., weight 125 pounds..... Each **$40 00**



Ball Bearing, Automatic Quick-Return and Self-Feed

Has three back gears with double journal bearings to each gear, in order to give second speed same turning direction of the crank as the first

It has two speeds

Spindle has end thrust ball bearings

All bearings are ground out of the solid metal

No babbitt used on this drill.

The quick-return lever is thrown into place while the drill continues in motion, where it remains until the bit is raised out of the work and automatically stops, requiring no attention from the operator and is again ready for the next hole.

The end thrust ball bearings save 20 to 50% in power and are made from the highest grade of lathe-turned tool steel.

Has automatic self-feed.

It has lathe-turned and slotted table

Champion drills are all machine-jigged; therefore all parts are absolutely standard and interchangeable.

Drills to the center of a 15½ inch circle.

Drills holes from 0 to 1¼ inch.

Spindle 1¼ inches in diameter; has up-and-down run of 3 inches

Greatest distance from table to spindle, 9¾ inches. Heigth of drill, 46 inches

Spindle bored like Champion "Patented" Never Slip Chuck to take in ½ inch straight shank drill bits. If especially ordered to take in ⅝ inch or ¾ inch

No. 96—With crank for hand power only; weight 135 pounds ..... Each **$50 00**

★**No. 96P**—With tight and loose pulleys, 6x2 inches; speed 250 R. P. M., weight 140 pounds..... Each **$60 00**

Ball Bearing, Self-Feed

This drill does not have double journal bearings, or bearings on each side of the gears

It has two speeds

Spindle has end thrust ball bearings.

All bearings are ground out of the solid metal

No babbitt used on this drill.

The end thrust ball bearings save 20 to 50 per cent. in power and are made from the highest grade of lathe-turned tool steel.

Has automatic self-feed

It has lathe-turned and slotted table.

Champion drills are all machine jigged; therefore all parts are absolutely standard and interchangeable

Spindle bored like Champion "Patented" Never Slip Chuck to take in ½ inch straight shank drill bits. If especially ordered to take in ⅝ inch or ¾ inch

Drills to the center of a 15 inch circle.

Drills from 0 to 1¼ inch hole.

Spindle 1¼ inches in diameter; has up-and-down run of 3 inches

Greatest distance from table to spindle, 10 inches. Height of drill, 46 inches

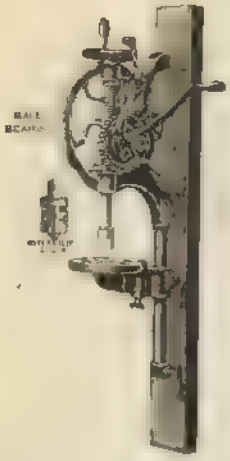
No. 93½—With crank for hand power only; weight 115 pounds ..... Each **$30 00**

★**No. 93½P**—With tight and loose pulleys, 6x2 inches; speed 250 R. P. M.; weight 120 lbs. Each **$38 00**

★Not carried in stock; for factory shipment only.

POST DRILLS

CHAMPION



Ball Bearing, Self-Feed

A first-class tool for light work. Spindle has end thrust ball bearings, all bearings are ground out of the solid metal; no babbit used on this drill

The end thrust ball bearings save 20 to 50 per cent in power and are made from the highest grade of lathe turned tool steel; has automatic self-feed; it has lathe-turned slotted table

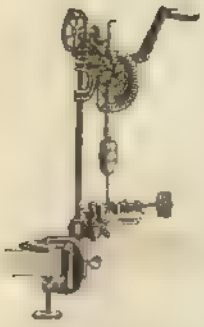
Champion drills are all machine jigged, therefore all parts are absolutely standard and interchangeable. Spindle bored like "Never-Slip" chuck to take ½ inch straight shank drills; if especially ordered can be had to take ⅝ or ¾ inch

Drills to the center of 12 inch circle. Drills from 0 to ¾ inch hole. Spindle ⅞ inch diameter; has up-and-down run of 3 inches; greatest distance from table to spindle 8¾ inches; height of drill 35 inches.

No. 101—With crank for hand power only; weight 80 pounds ..... Each **$20 00**

BENCH DRILLS

MILLERS FALLS



Wheel Feed

Easy to attach, can be swiveled into many positions and clamped at varying heights either above or below the bench

The vice is swung on a pin off center, and can be used in any position or at any angle with the frame, vertical to horizontal, or completely reversed and the table turned uppermost

Feed governed by hand wheel at top; rapid action; steel feed gears and post; two speeds, ratios even and 3 to 1. Three jaw chuck with protected springs; extensible crank handle, radius from 5 to 6½ inches; ball thrust bearing; cut gears; steel pinion; chuck, spindle and crank nickeled, post and machined parts polished, balance japanned.

No. 21—Capacity 0 to ½ inch round shanks; height of standard 24 inches; net weight 21 lbs...Each **$25 00**

One in a wood box; shipping weight 30 pounds.

Lever Feed

Drill can be fed as rapidly or as slowly as desired by means of sensitive compound lever. Well made and makes a convenient and effective tool

Cast iron frame, black japanned polished steel standard and lever nickel plated chuck, drill spindle and crank

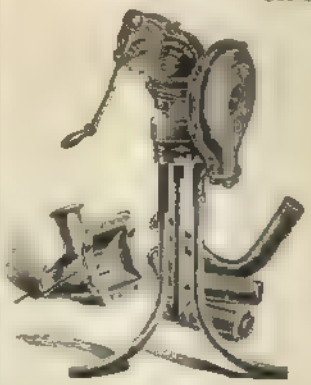
Three jaw chuck with improved protected springs.

No. 23—Capacity 0 to ⅜ inch round shank drills; height of standard above bench 15½ inches; weight 9 pounds .....Each **$10 00**

One in a box.

BLACKSMITHS BLOWERS

CHAMPION



High Speed Spiral Gearing, Adjustable Ball Bearings

Crank turns either way to make a blast. Each turn of the crank produces 46 complete revolutions of the blast wheel

Note — Made for either right or left hand fires. Right hand blowers always furnished unless otherwise specified

Phosphor bronze spiral gear and tool steel spiral shaft with gear and spiral shaft meshing in 8 full teeth continuously, makes noise and lost motion impossible. Furnished complete with Whirlwind blast, anti-clinker, heavy nest tuyere iron and piping. This tuyere in combination with high speed of the blower, produces a circular, rotary white heat blast which heats iron at least one-third quicker and with an equal saving in coal, as no heat is wasted by being blown up the chimney

No. 400—Diameter of fan 12 inches weight each 160 pounds ..... Each **$55 00**

CHAMPION LANCASTER

Geared

Direct driven; supplied with Champion patent adjustable nozzle tuyere iron and pipe complete. Extra large gears, accurately cut, running in an oil bath. High speed spindle equipped with a case hardened end-thrust ball bearing. It is smooth running; crank turns in either direction to make the blast. Improvements consist of increased size gear case, allowing larger gears and bearings, also fan case is constructed heavier and stronger

No. 40—Cast iron pedestal; diameter of fan 12 inches weight each 120 pounds.....Each **$35 00**

BLACKSMITHS FORGES

CHAMPION

With Half Hood

Heavy steel plate hearth 6 inches deep. If so desired can be bricked up to suit the wants of any blacksmith. Furnished with No. 400 blower and No. 400 tuyere iron. The benefit received from the condensation of heat to center of fire from the rotary whirlwind blast with no waste of heat going up the chimney will save enough in cost of coal to soon pay for forge.

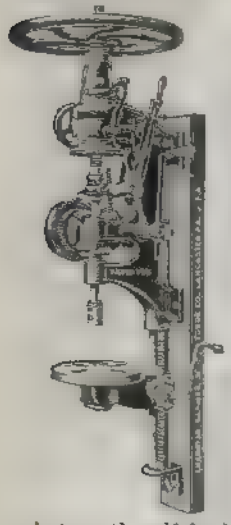
Crank turns either way to make blast. Each turn of crank produces 46 complete revolutions of blast wheel Angle steel legs and braces

No. 408—Hearth 30x36 inches, height 30 inches, diameter of fan 12 inches; weight 310 pounds...Each **$100.00**

POST DRILLS

CHAMPION

Ball-bearing, cast iron frame and feed table, machine cut gears and ball bearings; steel table post, shafts, axle and chuck. For hand or power—high or low speed; light or heavy work—changed in an instant.



The double compound lever-feed on Nos. 202 and 203 produces 80% more pressure, drills holes 80% larger and saves 200% in time and labor in drilling holes, reaming, counter-sinking, etc., makes a first class wood boring machine.

Automatic self-feed, round table, diameter 13¼ in. Drill bolted to hardwood board 62x7½ in.

Each

No. 202—Diam fly-wheel 25 ins; drills holes up to 1½ ins and to center of 22 in. circle; feed screw has 6 in up-and-down run; spindle 1¼ in. diam, never slip chuck, takes ⅜ or 41/64 in. shank bits; complete with tight and loose pulleys..... $258 00

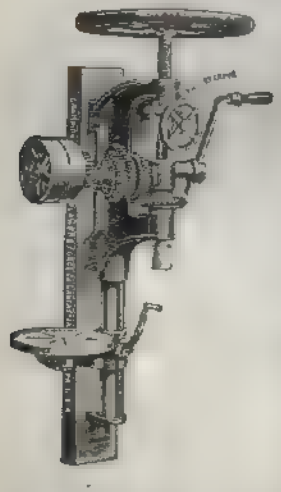
One in crate; wt 475 lbs.

Automatic self-feed; square table, size 11¾ in.; drill bolted to hardwood board 62x6 inches.

Each

No. 203 Diam fly-wheel 25 ins; 11 in. tight and loose pulleys with 2½ in. face; should be operated at 80 R. P. M.; drills holes up to 1½ in. and to center of 21 in. circle; has up-and-down run of 5½ ins; never slip chuck takes 41/64 in. shank bits, complete with tight and loose pulleys. When used with power use 1 H. P. gasoline engine or electric motor..... $198 00

One in crate; wt 125 lbs.



The automatic self-feed is complete and practical; meets many demands for quick work for machine shops, carriage builders, railroad shops, etc.; has also a quick acting adjustable table and can be swung entirely out of way; furnished with wheel hanger for drilling tires; automatic self-feed; round table, diameter 13¼ inches; drill bolted to hardwood board 62 x7 in.; drills holes up to 1½ in., and to center of 22 in. circle; has up-and-down run of 6¼ ins; never slip chuck takes 41/64 in. shank bits; diameter fly-wheel 25 inches. Tight and loose pulleys, 11 inches in diameter, with 2½ inch face; should be operated at 80 R. P. M. Nos. 25P and 25CP when used with power use 1 H. P. gasoline engine or electric motor.

Each

No. 25—For hand only, without pulleys; wt each 400 lbs..... $195 00

No. 25P—For hand or power, with tight and loose pulleys; wt each 425 lbs..... 207 00

No. 25CP—With cone pulley and countershaft; wt each about 500 lbs..... ♦247 50

One in crate.

♦F. O. B. Pennsylvania Factory Only.

POST DRILLS

CHAMPION

Cast iron frame and feed table; machine cut gears and bearings; steel table post, shaft, axles and chuck; adjustable table can be swung out of way; automatic self-feed; crank has forward motion on both the first and second speeds—no need of reversing crank.

Ball-bearing. The propeller wheel hand-feed and self-feed are independent of each other and for quick work the hand feed is unsurpassed and acts as the quick return for the drill bit. Quick-acting; end thrust ball bearings; lath-turned and slotted table; all bearings are ground out of solid metal, no babbitt used. Square table 8x9 in.; drill bolted to hardwood board 46x6½ ins.

Each

No. 97 Diam fly-wheel 15 ins; drills holes up to 1¼ ins; and to center of 16½ in circle; has 5½ in up-and-down run spindle 1⅝ ins in diam, never slip chuck takes ½ in. shank bits..... $69 00

No. 97P—Same as No. 97 except furnished with tight and loose pulleys, 6 ins in diam and 2 in. face for power; speed 250 R. P. M.; power required to operate ½ H. P. gasoline engine or electric motor .. 79 50

One in crate; wt each 180 lbs.

Ball-bearing; the greatest advantage of this drill is the instantaneous raising of the drill bit out of the hole bored and replacing the bit for boring the next hole; saves 95% time and labor; the adjustable lever-feed saves 50% time in drilling small holes, reaming, countersinking, etc., and makes this drill a first class wood boring machine for blacksmith shops; round table diameter 12 in.; drill bolted to hardwood board 46x6½ ins.

Each

No. 200—Diam fly-wheel 15 ins; drills holes up to 1¼ ins, and to center of 16 in. circle; has 4 in. up-and-down run; spindle 1¼ ins in diam; never slip chuck takes ½ in. shank bits $94 50

One in crate; wt each 180 lbs.

Ball-bearing; designed for large and heavy work; has two speeds with double journal bearings; entire drill swings to side when wanted with 18 inch sweep; square table size 8x9 in., drill bolted to hardwood board 51½ x 7½ ins.

Each

No. 4—Triple gear; diam fly-wheel 15 ins; drills holes up to 1¼ ins, and to center of 18 in. circle; has 5 in. up-and down run; spindle 1¼ ins in diam; never slip chuck takes ½ in. shank bits.... $66 00

One in crate; wt each 200 lbs.

BENCH DRILLS

YANKEE

Cast iron frame, dead black finish; steel cauck, nickel plated and polished; machine cut gears and bearings; steel table post, feed screw and axle; automatic and friction feeds; adjustable table. A bracket at top of frame with right and left arms, disengages the ratchet feed at extreme up and down movements of spindle, so that parts cannot be jammed. At lower end of column is slide to carry an adjustable bracket for table. This table can be adjusted vertically by hand wheel and screw, independently of bracket. Furnished with wrench for nut holding table bracket.

Single Speed.

Each

No. 1003—For round shank drills up to ½ in. in diam; diam of shank 1 in; diam of table 4¾ ins; adjustment of table 1¼ ins; diam of hand wheel 8 ins; height over all 18¾ ins $34 50

One in wood box; wt each 10½ lbs.

Double Speed.

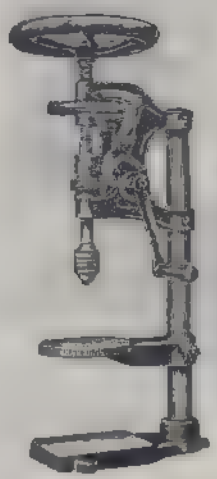
Each

No. 1005—For round shank drills up to ½ in. in diam; diam of shank 1⁹/₁₆ ins; diam of table 6¾ ins; adjustment of table 1¾ ins; diam of hand wheel 4½ ins; height over all 28 ins $57 00

One in wood box; wt each 29 lbs.

BENCH DRILLS

CHAMPION



Equipped with automatic and feed which feeds tool by convenient cutting at a variety of speeds which can be adjusted according to work.

The worm gear is absolutely noiseless. The spindle is equipped with end thrust ball bearing with hardened steel races, making a frictionless durable bearing. The fly-wheel makes two revolutions to each turn of the crank, developing momentum which carries the drill bit through the work without exerting the energy required in operating a drill which is furnished without a fly-wheel.

Each

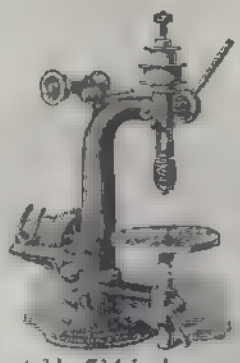
No. 301 Travel of spindle 2¾ ins; capacity from smallest to ½ in; chuck has three jaws taking straight shank bits up to ½ in; height over all 32 ins; drills to center of 12 in. circle; greatest distance between chuck and base 19 ins; length of column 25 ins; diam of column 1½ ins. . . . . ✦$60 00

One in crate; shipping wt each 75 lbs.

✦F. O. B. Pennsylvania Factory Only.

POWER BENCH DRILLS

CHAMPION



Especially adapted for light, accurate and rapid drilling, in garages, pattern and machine shops

Driven exclusively by belt and with the aid of cone pulleys two separate and distinct speeds can be furnished.

The countershaft is furnished with a belt shifter on the tight and loose pulley and the feed lever can be returned without effecting the position of the bit by a patented automatic device in the feed lever hub.

Double flange top cone; table swings 180 degrees horizontally; end thrust ball-bearing; adjustable spindle stop; greatest distance from spindle to table 7½ inches; up and down movement of the spindle 2½ inches; up and down of the table 7 inches.

Each

No. 50—Diam of table 8 ins; drills to center of 10 in. circle; drilling capacity ¾ in; in steel, fitted with champion 3 jaw chuck taking straight shank bits up to ¾ inch; size of tight and loose pulleys 4x1½ ins; speed of driving pulley 650 R P M; extreme height 27½ ins. $73 50

One in crate; shipping wt each 65 lbs.

CHAMPION

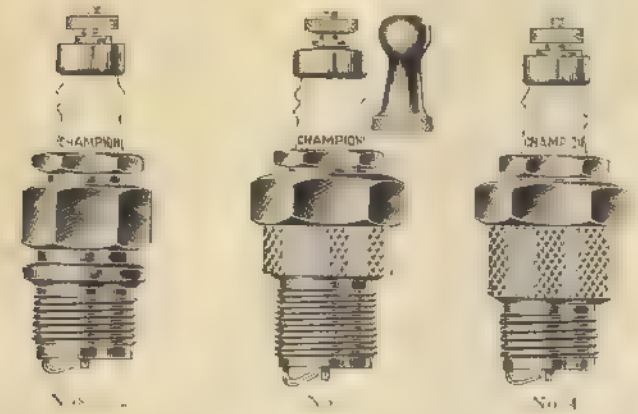
Made of ball-bearings, fitted with three step-cone pulleys giving three spindle speeds. Top of drill base is planed off to use as a table when regular drill table is turned to one side giving a space of 18 ins; between the chuck and base table; upper cone pulley is between two bearings equalizing the strain and making drill more powerful. Counter shaft is supplied with a belt shift on the tight and loose pulley. Feed lever manipulated with a spring arrangement to automatically keep the lever and bit up and out of the work. The drill will bore all size holes up to 5/16 in and will drill to a 10 in circle adapted for garages, pattern makers and machine shops Where light, accurate and rapid drilling is done.

No.	0
Up and down run of spindle, ins	3¼
Up and down run of table, ins	11
Greatest distance from table to spindle, ins.	12½
Greatest distance from planed base to spindle, ins.	18
Diam column, ins	2½
Size tight and loose pulleys, ins.	4x1¾
Size large cone pulley, ins.	4½x1⅜
Size medium cone pulley, ins	3¼x1⅜
Size small cone pulley, ins.	3x1⅜
Spindle bored with morse taper	No. 1
Wt each, lbs	115
Each	✦$90 00

Crated.

✦F. O. B. Pennsylvania Factory Only.

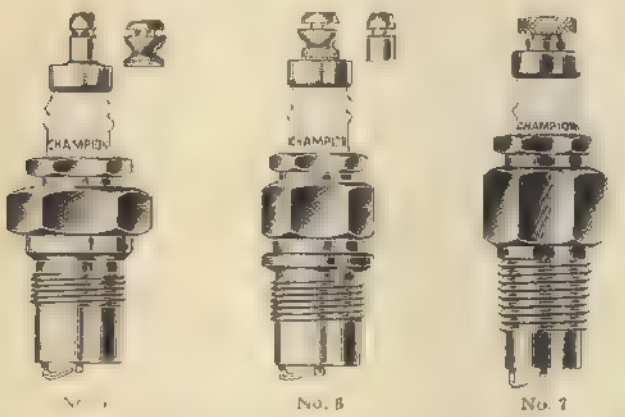
CHAMPION SPARK PLUGS



No. 1 No. 3 No. 4

No. 1—⅞ inch standard	Each	$0.75
No. 3—⅞ inch long regular	Each	75
No. 4—⅞ inch long body regular	Each	75

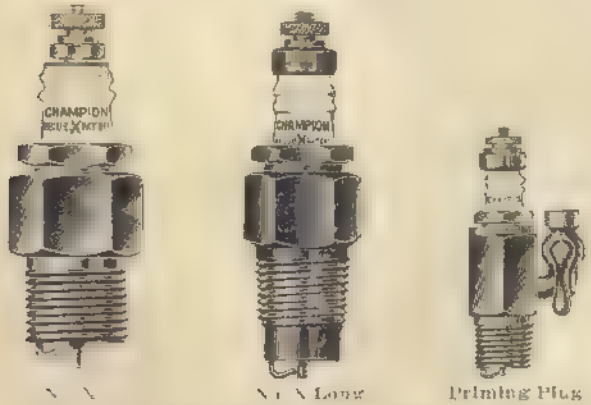
One in a carton



No. 5 No. 6 No. 7

No. 5—⅞ inch long regular	Each	$0 75
No. 6—⅞ inch long standard	Each	.75
No. 7—½ inch long standard	Each	.75

One in a carton.



No. X No. X Long Priming Plug

Champion Plugs for Ford Cars, Trucks and Fordson Tractors

No. X—½ inch	Each	$0 60
No. X Long—½ inch, long	Each	.60

One in a carton.

Champion Priming Plugs

No. H14—½ inch	Each	$1.00
No. H44—⅞ inch	Each	1.00

One in a carton.

SPECIAL TYPES

½ inch

No. A34—Standard extra long	Each	$0.75

One in a carton

⅞ inch

No. B43—Regular	Each	$0 75
No. JA43—Regular	Each	.75
No. JB43—Long body regular	Each	.75
No. J53—S. A. E. long	Each	75
No. AF53—Long standard	Each	75

One in a carton

Metric

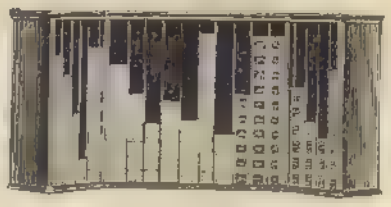
No. 8A-64—Standard	Each	$0.75
No. A74—Standard	Each	.75
No. AIS-63—Motorcycle	Each	.75
"J" Types—One piece	Each	.75

One in a carton

THE CHAMPION MERCHANDISER

Front View

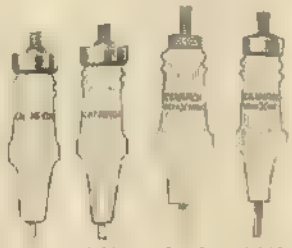
The Champion Merchandiser will be furnished with an assortment of 100 Champion spark plugs to dealers not previously supplied It should be on every dealer's counter



Rear View

Plugs are kept in better condition in the Champion Merchandiser and it is much easier to locate numbers wanted

CHAMPION SPARK PLUG CORES



A104 A204 A.05 A205

Core	Plug Type	Gaskets Furnished Each
A-104	Nos. 1, A74, 8, A64	$0 40
A-105	X-A15	30
A-205	X long-A25	30
A-204	Nos 3 4 5 6, 7	40
A-304	A34	40
B-103	B-43	40
H-104	H-14, H-44.	40

Extra gaskets 4 cents each

CHAMPION GASKETS

Patented copper, asbestos lined gaskets, an exclusive feature on all Champion spark plugs

Champion Gaskets, Each $0 04

Every Champion spark plug is made to the same high standards. The finest materials are used to assure the very highest quality, and Champion has never compromised its manufacturing ideals to meet a price. Tremendous production alone—more than 35,000,000 per year—make possible Champion superior quality at a price far below all competition.

AUTOMOBILE OILS

VEEDOL MOTOR PROTECTION GUIDE

Models	1925			1924			1923			1922			1921		
Cars and Trucks	Summer	Winter	Capacity In Quarts	Summer	Winter	Capacity In Quarts	Summer	Winter	Capacity In Quarts	Summer	Winter	Capacity In Quarts	Summer	Winter	Capacity In Quarts
Apperson, 6 & 8 Cyl				2	1	8	2	1	8	2	1	8	2	1	8
Armleder, Models 20 & 21	3	2	5	3	2	5	3	2	5	3	2	5	3	2	5
Armleder, All Others	3	2	8	3	2	8	3	2	8	3	2	8	3	2	8
Auburn, 6 Cyl	2	1	6	2	1	6	2	1	6	2	1	6	2	1	6
Auburn, 8 Cyl	2	1	7												
Autocar, 4 Cyl	3	2	10	3	2	10	3	2	10						
Autocar, 2 Cyl	3	2	4	3	2	4	3	2	4	3	2	4	3	2	4
Bethlehem, 1 Ton	3	2	6	3	2	6	3	2	6	3	2	6	3	2	6
Bethlehem, 2 & 3 Tons	3	2	8	3	2	8	3	2	8	3	2	8	3	2	8
Bethlehem, All Others	3	2	10	3	2	10	3	2	10	3	2	10	3	2	10
Buick Master Six	3	2	6	2	1	6	2	1	6	2	1	6	2	1	6
Buick Standard Six	3	2	5												
Buick 4 Cyl				2	1	4	2	1	4	2	1	4	2	1	4
Cadillac	2	1	8	2	1	8	2	1	8	2	1	8	2	1	8
Chalmers	2	1	7	2	1	7	2	1	7	2	1	7	2	1	7
Chandler	2	1	8	2	1	8	2	1	8	2	1	8	2	1	8
Chevrolet	2	1	4	2	1	4	2	1	4	2	1	4	2	1	4
Chevrolet Truck	3	2	4	3	2	4	3	2	4	3	2	5	3	2	5
Chrysler Six	3	2	6	3	2	6									
Cleveland, 6 Cyl	2	1	6	2	1	6	2	1	6	2	1	6	2	1	6
Clydesdale	3	2	8	3	2	8	3	2	8	3	2	8	3	2	8
Cole	3	3	5	3	2	5	3	2	5	3	2	5	3	2	5
Commerce Truck	3	2	8	3	2	8	3	2	8	3	2	8	3	2	8
Corbitt	3	2	8	3	2	8	3	2	8	3	2	8	3	2	8
Crow Elkhard, 6 Cyl	2	1	7	2	1	7	2	1	7	2	1	8	2	1	8
Crow Elkhard, 4 Cyl	2	1	7	2	1	4	2	1	4	2	1	4	2	1	4
Cunningham	3	2	10	3	2	10	3	2	10	3	2	10	3	2	10
Dan-Elder	3	2	8	3	2	8	3	2	8	3	2	8	3	2	8
Delance	3	2	8	3	2	8	3	2	8	3	2	8	3	2	8
Dependable, 1½ Tons	3	2	5	3	2	5	3	2	5	3	2	5	3	2	5
Dependable, All Others	3	2	7	3	2	7	3	2	7	3	2	7	3	2	7
Diamond T, 1 & 2½ Tons	3	2	6	3	2	6	3	2	6	3	2	6	3	2	6
Diamond T, All Others	3	2	7	3	2	7	3	2	7	3	2	7	3	2	7
Dodge	2	1	6	2	1	6	2	1	6	2	1	6	2	1	6
Dodge Truck	3	2	6	3	2	6	3	2	6	3	2	6	3	2	6
Dort, 6 Cyl	2	1	4	2	1	4	2	1	4						
Dort 4 Cyl				2	1	5	2	1	5	2	1	5	2	1	5
Dort Truck	3	2	4	3	2	4	3	2	4	3	2	4	3	2	4
Durant 4 & 6 Cyl	2	1	6	2	1	6	2	1	6	2	1	6	2	1	6
Dusenberg	3	2	8	3	2	8	3	2	8	3	2	8	3	2	8
Elcar, 8 Cyl	2	1	7												
Elcar, 6 Cyl	2	1	6	2	1	6	2	1	6	2	1	6	2	1	6
Elcar, 4 Cyl	2	1	4	2	1	4	2	1	4	2	1	4	2	1	4
Essex, 4 & 6 Cyl	2	1	5	2	1	5	2	1	5	2	1	5	2	1	5
F W D	3	2	6	3	2	6	3	2	6	3	2	6	3	2	6
Federal, Models WB & WZ	3	2	10	3	2	10	3	2	10						
Federal, Mod. LZ, UL, WZ	3	2	8	3	2	8	3	2	8						
Federal, Knight	4	3	6	4	3	6									
Federal, All Others	3	2	6	3	2	6	3	2	6	3	2	6	3	2	6
Flint	2	1	6	2	1	6	2	1	6						
Ford	F	FZ	4	F	FZ	4	F	FZ	4	F	FZ	4	F	FZ	4
Ford Truck	F	F	4	F	F	4	F	F	4	F	F	4	F	F	4
Fordson	4	4													
Franklin	3	3	5	3	3	5	3	3	5	3	3	5	3	3	5
G M C	3	2	8	3	2	8	3	2	8	3	2	8	3	2	8
Gardner	2	1	6	2	1	6	2	1	6	2	1	6	2	1	6
Garford, Models 15 & 25	3	2	7	3	2	7	3	2	7	3	2	7	3	2	7
Garford Coach	4	4													
Garford, All Others	3	2	8	3	2	8	3	2	8	3	2	8	3	2	8
Gary 5 Ton	3	2	11	3	2	11	3	2	11	3	2	11	3	2	11
Gary, All Others	3	2	7	3	2	7	3	2	7	3	2	7	3	2	7
Graham	3	2	6	3	2	6	3	2	6	3	2	8	3	2	8
Gray	2	1	4	2	1	4	2	1	4	2	1	4			
Haynes Over 75	2	1	8	2	1	8	2	1	8	2	1	8	2	1	8
Haynes Under 75	2	1	7	2	1	7	2	1	7	2	1	7	2	1	7
Hudson	3	2	8	3	2	8	2	1	8	2	1	8	2	1	8
Hupmobile, 8 Cyl	3	2													
Hupmobile, 4 Cyl	3	2	4	3	2	4	3	2	4	3	2	4	3	2	4
Indiana, 1 Tons	3	2	4	3	2	4	3	2	6	3	2	6	3	2	6
Indiana, 5 Tons	3	2	10	3	2	10	3	2	10	3	2	10	3	2	10
Indiana, All Others	3	2	8	3	2	8	3	2	8	3	2	8	3	2	8
Jewett	2	1	6	2	1	6	2	1	6	2	1	6			
Jordan, 8 Cyl	2	1	8												
Jordan, 6 Cyl	2	1	6	2	1	6	2	1	6	2	1	6	2	1	6
Kelly Springfield 1½, 2½ Tons	3	2	9	3	2	9	3	2	9	3	2	9	3	2	9
Kelly-Springfield Others	3	2	13	3	2	13	3	2	13	3	2	13	3	2	13
Kissel	3	2	8	3	2	8	3	2	8	3	2	8	3	2	6
Lexington	2	1	6	2	1	6	2	1	6	2	1	6	2	1	6
Lincoln	2	1	10	2	1	10	2	1	10	2	1	10	2	1	10
Locomobile	3	2	7	3	2	7	3	2	7	3	2	7	3	2	7
Maccar	3	2	8	3	2	8	3	2	8	3	2	8	3	2	8
Mack 2½ Tons	3	2	8	3	2	8	3	2	8	3	2	8	3	2	8
Mack All Others	3	2	10	3	2	10	3	2	10	3	2	10	3	2	10
Marmon	3	2	14	3	2	14	3	2	14	3	2	14	3	2	14
Mason	3	2	6	3	2	6	3	2	6						
Maxwell	2	1	4	2	1	4	2	1	4	2	1	4	2	1	4
Maxwell Truck	3	2	4	3	2	4	3	2	4	3	2	4	3	2	4
McFarlan	3	2	6	3	2	6	3	2	6	3	2	7	3	2	7
Mercer, 4 & 6 Cyl	3	2	6	3	2	6	3	2	6	3	2	6	3	2	6
Moon	2	1	6	2	1	6	2	1	6	2	1	6	2	1	6
Nash, 4 & 6 Cyl	2	1	6	2	1	6	2	1	6	2	1	6	2	1	6
Nash Truck	3	2	6	3	2	6	3	2	6	3	2	6	3	2	6
Oakland	3	2	4	3	2	4	3	2	4	3	2	4	3	2	4
Oldsmobile, 8 Cyl										3	2	6	3	2	6
Oldsmobile, 4 & 6 Cyl	3	2	5	3	2	5	3	2	5	3	2	5	3	2	5
Overland	2	1	6	2	1	6	2	1	6	2	1	6	2	1	6
Packard 12 Cyl							3	2	10	3	2	10	3	2	10
Packard 6 & 8 Cyl	3	2	8	3	2	8	3	2	8	3	2	8	3	2	8
Packard Truck 2 Tons							3	2	8	3	2	8	3	2	8
Packard All Others							3	2	13	3	2	13	3	2	13
Paige Models 42 & 44	2	1	6	2	1	6	2	1	6	2	1	6	2	1	6
Paige All Others	2	1	7	2	1	7	2	1	7	2	1	7	2	1	7
Paige Truck 1 Tons							3	2	6	3	2	6	3	2	8
Paige Truck All Others							3	2	7	3	2	7	3	2	8
Peerless	3	2	8	3	2	8	3	2	8	3	2	8	3	2	8
Pierce Arrow	3	2	10	3	2	10	3	2	8	3	2	6	3	2	10
Pierce Arrow Truck	3	2	10	3	2	10	3	2	10	3	2	10	3	2	10
Pierce Arrow Coach	4	4													
Reo	2	1	8	2	1	8	2	1	8	2	1	8	2	1	8
Reo Truck	3	2	4	3	2	4	3	2	4	3	2	4	3	2	4
Reo Coach	4	4	7												
Republic ¼ Ton	3	2	4	3	2	4	3	2	4	3	2	4			
Republic All Others	3	2	8	3	2	8	3	2	8	3	2	8	3	2	8
Rickenbacker 8 Cyl	2	1	6												
Rickenbacker 6 Cyl	2	1	6	2	1	6	2	1	6	2	1	6			
Roamer	2	1	6	2	1	6									
Ruggles	3	2	8	3	2	8	3	2	8	3	2	8	3	2	8
Service, 1½ Tons	3	2	7	3	2	7	3	2	7	3	2	7	3	2	7
Service, All Others	3	2	8	3	2	8	3	2	8	3	2	8	3	2	8
Star	2	1	5	2	1	5	2	1	5	2	1	5			
Stearns Knight	4	3	10	4	3	10	4	3	10	4	3	10	4	3	10
Sterling 1½ Tons	3	2	8	3	2	8	3	2	8	3	2	8	3	2	8
Sterling All Others	3	2	10	3	2	10	3	2	10	3	2	10	3	2	10
Stewart ¼ Ton	3	2	5	3	2	5	3	2	5	3	2	5	3	2	4
Stewart, All Others	3	2	8	3	2	8	3	2	8	3	2	8	3	2	8
Studebaker	2	1	6	2	1	6	2	1	6	2	1	6	2	1	6
Stutz 4 & 6 Cyl	3	2	10	3	2	10	3	2	10	3	2	10	3	2	10
Traffic	3	2	8	3	2	8	3	2	8	3	2	8	3	2	8
Velie Model 34										2	1	5	2	1	5
Velie Models 45 & 58	2	1	6	2	1	6	2	1	6	2	1	6	2	1	6
Velie Truck	3	2	8	3	2	8	3	2	8	3	2	8	3	2	8
White, 2 Tons	3	2	8	3	2	8	3	2	8	3	2	8	3	2	8
White Coach	4	4													
White All Others	3	2	10	3	2	10	3	2	10	3	2	10	3	2	10
Willys Knight	3	2	7	3	2	7	3	2	7	3	2	7	3	2	7
Willys Knight	4	3	5	4	3	5	4	3	6	4	3	6	4	3	6
Yellow Cab	3	2	6	3	2	6	3	2	6	3	2	6			
Yellow Coach	4	4	8	4	4	8									

GASOLINE, KEROSENE AND ELECTRIC VEHICLES

	Tight Case	Leaky Cases
Transmission Differential Worm Drive	VEEDOL Transmission Gear Oil	VEEDOL Gear Compound
Grease Cups	VEEDOL Medium Cup Grease	
High Pressure Greasing Systems	VEEDOL Medium Cup Grease or VEEDOL Trans-Gear Oil	
Driving Chains Water Pump Packing Exposed Friction Surfaces Spring Leaves	VEEDOL Graphite Grease	

KEY NUMBERS

Key Numbers 1, 2, 3, 4, 5, 6, F and FZ indicate the correct Grades of VEEDOL for passenger cars and trucks for summer and winter

VEEDOL No. 1 Light Zero. A light bodied low cold test oil especially prepared for easy starting cold weather.

VEEDOL No. 2 Medium. A medium-bodied oil also suitable for cold weather.

VEEDOL No. 3 Heavy. A heavy medium-bodied oil.

VEEDOL No. 4 Special Heavy. A heavy oil for Knight engines, tractors and heavy duty trucks.

VEEDOL No. 5 Extra Heavy. A very heavy oil for motorcycles and high power tractors.

VEEDOL No. 6 Steam Cylinder. A heavy oil for engines using superheated steam.

VEEDOL F Forzol. A medium bodied oil for Ford cars and Ford trucks.

VEEDOL FZ Forzol Zero. A light bodied low cold test oil for Ford cars and Ford trucks especially prepared for easy starting in cold weather.

IMPORTANT NOTICE

VEEDOL Summer and Winter Recommendations refer to the following temperatures: Summer, Below 90° F. Winter, Below Freezing. In Hot Climates where temperatures range: Summer, Above 90° F. Winter, Above Freezing. Use next heavier grades of VEEDOL than indicated by Key Numbers.

GASOLINE AND KEROSENE TRACTOR ENGINES

Lubricating System	Summer	Winter
Force Feed and Splash	VEEDOL No. 4	VEEDOL No. 4
Separate Force Feed	VEEDOL No. 5	VEEDOL No. 4

STATIONARY GAS, GASOLINE AND KEROSENE ENGINES

Lubricating System	Summer	Winter
Gravity Feed and Splash	VEEDOL No. 2	VEEDOL No. 1
Force Feed	VEEDOL No. 3	VEEDOL No. 3

MOTORCYCLES Summer and Winter—VEEDOL No. 5

SPARK PLUGS

All ½ inch plugs shown on this page are standard thread; all ⅜ inch, 18 threads A. L. A. M.

See Chart on Pages 2417 and 2418 for Number to Order.

CHAMPION

⅞ inch, long, Standard, Conical Core, Two piece.

No.	A-6
(Old No.)	A-A54
Less than 100, Each	$1 59
100 or more, Each	1 50

One in cardboard box, ten in carton; wt each 4 ozs.

CHAMPION

½ inch, long, Petticoat Core, Two piece.

No.	A-7
(Old No.)	A-A24
Less than 100, Each	$1 59
100 or more, Each	1 50

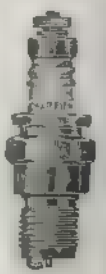
One in cardboard box, ten in carton; wt each 4 ozs.

CHAMPION

⅜ inch, Metric, Petticoat Core, Two piece.

No.	A-8
(Old No.)	A-A64
Less than 100, Each	$1 59
100 or more, Each	1 50

One in cardboard box, ten in carton; wt each 4 ozs.



CHAMPION

Metric, long standard. For Hudson from 1921, Essex and Wills Ste. Claire cars.

No.	A-9
(Old No.)	A-74
Less than 100, Each	$1 59
100 or more, Each	1 50

One in cardboard box, ten in carton; wt each 4 ozs.

CHAMPION

Priming Petticoat Core, two piece.

Nos.	A-H14	A-H44
Size, ins.	½	⅝
Less than 100, Each	$2 10	✣2 10
100 or more, Each	1 95	✣1 95

One in cardboard box, ten in carton; wt each 6 ozs.

✣F. O. B. Ohio Factory Only.

PORCELAINS

CHAMPION

No. A-A104 Petticoat

No. A-A204 Petticoat

No. A-A105 "X"

No. A-A205 Petticoat

Nos.	For Plug Nos.	Less than 100 Each	100 or more Each
A-A103	A-A13	✣$0 81	✣$0 75
A-A104	A-A1	✣ 81	✣ 75
A-A105X	A-A15X	66	63
A-A205	A-A25	66	63
A-A204	A-3, A-4, A-5, A-6, A-7	✣ 81	✣ 75
A-B103	A-B43	✣ 81	✣ 75
A-H104	A-H14, A-H44	✣ 81	✣ 75

One in cardboard box, ten in carton.

SPARK PLUG GASKETS

Patented copper gaskets. For all Champion Spark Plugs.

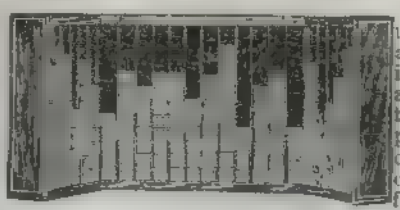
	Per 100
No. A-A131—Upper	$4 05
No. A-A136—Lower	4 05

Made from sheet copper; asbestos lined. For ¼ inch Spark Plugs.

	Per 100
No. A-515—100 in carton	$1 95

SPARK PLUG MERCHANDISER

CHAMPION ASSORTMENTS



(Rear View)

This case with the car index chart attached enables any clerk to select instantly the proper size and type of spark plug that is requested for any passenger car, commercial car, tractor, motorcycle, motorboat, and farm and stationary engines. Adapted for use on counter, show case or shelf; and it occupies but little space compared to the complete assortment that it carries. Finely finished and is an ornament to any store or counter; made of metal and each compartment will hold an original package of spark plugs. Size 29x14½x9¼ inches.

A-1BC—This merchandise case will be given free with orders for 100 champion plugs and 50 insulators at the 100 lot price.

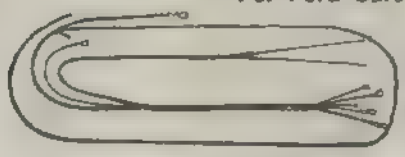
Stock Shipment—Cabinet will be shipped only when order is accompanied by factory requisition form properly signed by dealers on which he agrees to post metal signs and other advertising matter in a conspicuous place. No dealer will be furnished more than one case for one store. A separate case may be had for each branch. Salesmen sending in order for cabinet when dealer has one will be charged $9 00 net for cabinet. Under no circumstances will a dealer be given more than one cabinet in one store.

✣F. O. B. Ohio Factory Only.

LIGHTING WIRE ASSEMBLIES

LIGHTING WIRE ASSEMBLY

For Ford Cars.



Made of highest quality loom, complete lighting wire assembly; all wires are of a different color thus making the wiring very easy.

	Per 100
No. A-5041—Wire, lighting	$156 00

Packed loose.

BATTERY LEADS

Made of finest quality starter cable; cut to proper size with terminals correctly assembled.

0 Gauge Wire.	Per 100
No. A-5048—Cable ground 20 ins.	$126 00
No. A-5049—Cable ground 9 15/16 ins.	114 00
No. A-5050—Cable ground 11 1/2 ins.	112 50

Packed loose

2 Gauge Wire.	Per 100
No. A-5046-2—Cable battery to switch, 28 1/4 ins.	$157 50
No. A-5047-2—Cable battery to switch, 84 ins.	175 50

Packed loose.

SWITCH TO TERMINAL BLOCK ASSEMBLY

These terminal block assemblies are made correctly in every detail so as to give excellent service.

No. A-5042—Wire switch sedan	$117 00
No. A-5043—Wire switch coupe	102 00

Packed loose.

CABLE SWITCHES TO MOTOR

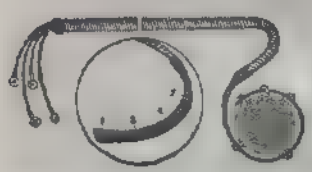
Made of finest quality starter cable; cut to proper size with terminals correctly assembled.

	Per 100
No. A-5051—Cable switch to motor	$135 00

Packed loose.

TIMER WIRING ASSEMBLIES

POPULAR, For Ford Cars.



Assembly made of flexible oil and waterproof metal hose, encasing the four new coil insulated wires; 250 volt Underwriters laboratories inspected, having the usual spark coil terminals at one end. At the timer end the cords are enclosed in a fabric, the wires being permanently connected to eyelet terminals spaced to fit the Timer Terminal Studs. The fabric is treated and sealed by a special chemical process making it impervious to the action of oil, water or dirt, yet leaving it flexible. **Guaranteed for five years.**

With Separate Lighting Wire.

No.	**A-200**
Less than 10, Each	3 30
10 or more, Each	3 00
List, Each	$1 50

One in cardboard box, 10 in carton, wt each 3/4 lb.

SPARK PLUGS

All 1/2 inch plugs shown on this page are standard thread; all 7/8 inch 18 thread A. L. A. M

See Chart on Page 2417 and 2418 For Number to Order.

CHAMPION "X," For Ford Cars.

1/2 inch, Petticoat Core, Two piece.

No.	**A-A15-X**
Less than 100, Each	$1 35
100 or more, Each	1 23

One in cardboard box, ten in carton; wt each 1/4 ozs.

CHAMPION "X," For Ford Cars.

1/2 inch, long, Petticoat Core, Two piece.

No.	**A-A25X**
(Old No.)	A-A25
Less than 100, Each	$1 35
100 or more, Each	1 23

One in cardboard box, ten in carton; wt each 1/4 ozs.

CHAMPION

7/8 inch, Standard, Petticoat Core, Two piece.

No.	**A-1**
(Old No.)	A A44
Less than 100, Each	$1 59
100 or more, Each	1 50

One in cardboard box, ten in carton; wt each 1/4 ozs

CHAMPION

7/8 inch, Regular, Petticoat Core, Two piece.

No.	**A-3**
Old No.)	A-AR44
Less than 100, Each	$1 59
100 or more, Each	1 50

One in cardboard box, ten in carton; wt each 1/4 ozs.

CHAMPION

7/8 inch long body regular, conical core, two-piece.

No.	**A-4**
(Old No.)	A-AB44
Less than 100, Each	$1 59
100 or more, Each	1 50

One in cardboard box, ten in carton; wt each about 6 ozs.

CHAMPION

7/8 inch, long regular, Conical Core, two piece.

No.	**A-5**
Old No.)	A-AA54
Less than 100, Each	$1 59
100 or more, Each	1 50

One in cardboard box, ten in carton; wt each 1/4 ozs.

Channon Feed Bags

We are the largest manufacturers of feed bags in the country, and show herewith the styles we have found from our long experience to be the strongest and most satisfactory bags for all around use. These are the popular bags with the dealers because most easily saleable.

No. 1

A first-class cheap bag. Made of heavy 12-oz duck wired onto a carefully selected hardwood bottom. Rope head strap. Price per dozen.....$7.00

No. 2

Our most popular seller. Heavy 12-oz. duck top. Large leather bottom and ventilator. Four-foot head strap. Price per dozen.....$14.70

No. 5

Harness leather throughout. The strongest feed bag made. Special No. 8 duck top. Extra large leather bottom and half leather body as shown in cut. Four-foot leather head-strap. Heavily sewed and riveted. For those who want the best. Price per dozen.....$31.95

No. 6

Heavy No. 6 duck top, 16 in. deep and 18 in. across opening when laid out flat. 4½-foot head-strap made of 1-in. leather. Oval bottom 8x10 inches. Made of best leather. Large leather ventilator. Price per dozen.....$26.70

No. 7

While this bag is similar to our No. 2 style, it is better and stronger in every way. The top, which is cut larger to make it suitable for large horses, is made of genuine 12-oz double-filling duck. Leather bottom, ventilator and 4-foot head-strap. The most serviceable all-around feed bag on the market today. Price per dozen.....$15.30

Coal Bag, Style 18

Coal bag style, 18 inches wide by 17 inches deep. Made of 12-oz. double-filling duck, with double bottom, adjustable canvas head-strap, heavily sewed and riveted throughout. A light bag, strong and durable. Price per dozen.....$28.00

No. 8

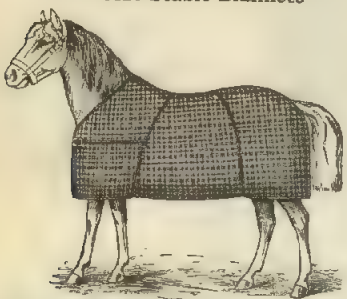
Harness leather throughout. Special quarter leather body, adding greatly to the strength and durability of the top, which is made of No. 8 duck. This 4-inch strip of leather, heavily sewed onto the canvas top and riveted to the leather bottom reinforces the bag where it is necessary and prolongs the life of the bag 100 per cent. Large leather ventilator and head-strap. Price per dozen.....$25.40

Channon Horse Blankets

Nos. D112 and D113 Horse Blankets

No. D112—Plain Fawn Color, fine all wool blankets with fancy border of scarlet stripes. Fast colors.
Size 84"x90" Weight about 8 lbs. Price each $15.00
Size 90"x96" Weight about 10 lbs. Price each .. 18.75
No. D113—Same as above, except made of long staple cotton
Size 84"x90" Weight about 7 lbs. Price each .$6.25
Size 90"x96" Weight about 9 lbs. Price each 7.75

No. D1120 Stable Blankets



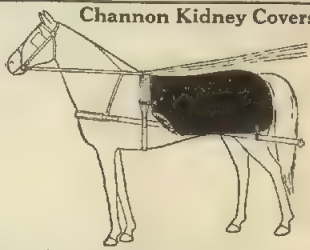
D1120—"Brigadier" stable blanket. 10-oz. satin finish burlap, with full sized good lining. Edges turned up and hemmed all around. Fitted with two 1¼-inch web surcingles and straps. Reinforced on top of neck and breast.

		Price Each
No. 1	For horses of 900 lbs. to 1,150 lbs. weight	$4.20
No. 2	For horses of 1,200 to 1,450 lbs. weight	4.50
No. 3	For horses of 1,500 to 1,700 lbs. weight	5.00

Our Special No. 1135

Square shaped, size 84x90 inches. Cover of dark brown water repellant 12-oz. D. F. gullswing duck with a full sized 6-lb. colored horse blanket for a lining. Edges are carefully finished and hemmed. Fitted with hame leathers, trace carriers and adjustable front straps. Sure protection against cold, wind, rain or blizzard. Price each $15.00

Channon Kidney Covers



No. 10 12-oz. brown gullswing duck, unlined with front straps and trace carriers. Price each $4.00
No. 20 Same as No. 10, but lined with good grade blanket. Price each $6.00
No. 50 Heavy black oiled duck, unlined. Best grade leather straps. Price each $4.50
No. 60 Same as No. 50, but lined. Complete in every detail. Price each $7.50

Channon Rain Covers

Full sized water repellant. Made of 12-oz. D. F. gullswing duck, with hame leathers, trace carriers and adjustable front straps. Price each $6.50
Made of oiled duck. Price each 7.00

Canvas Aprons

Made of White or Brown Duck

Made of heavy white or brown duck. Long pattern, to reach below the knees. Large pocket on front, with neck supporters. Mechanics' are divided so as not to interfere with walking.

	Carpenter	Per Doz.
No. 3.	8-oz. brown duck	$7.20
No. 5.	8-oz. white duck	6.75
	Mechanic	
No. 4.	8-oz. brown duck	$8.25
No. 6.	8-oz. white duck	7.80

No. 20. Special carpenters' aprons, made of 10-oz. brown duck, with two large pockets extending across entire bottom and two small individual pockets near top. Corners of all pockets are reinforced with leather.
Price per dozen $8.00

Carpenter Mechanic

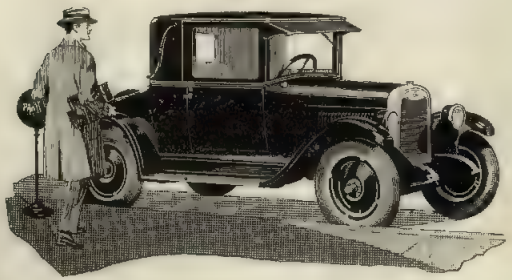
Features that sell the new Chevrolet

UTILITY — is one of the important reasons for the great volume of Chevrolet sales.

The car supplies an unusual degree of usefulness because of its ease in handling, quick acceleration, fine appearance, durability and economy. It sells to an unusually large market because its low cost puts it within reach of any one who can afford to own a car.

This wide range of utility appeals especially to business men, farmers, salesmen, doctors, women—and those desiring a second car.

CHEVROLET MOTOR COMPANY, DETROIT, MICHIGAN
Division of General Motors Corporation

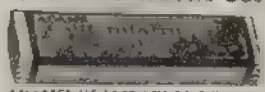


Quality at Low Cost

CHEWING GUM and GUM MACHINES

AMERICAN CHICLE CO'S GUMS

ADAMS "BLACK JACK" — 5 sticks in pkg.
Y9560—20 pkgs. in box Box **59c**



ADAMS' "CALIFORNIA FRUIT" 5 sticks in pkg.
Y9618—20 pkgs. in box Box **59c**

BEEMAN'S "PEPSIN" [illegible] pkg.
Y9617—20 pkgs. in box Box **59c**

"YUCATAN" 5 sticks in pkg.
Y9601—20 pkgs. in box Box **59c**

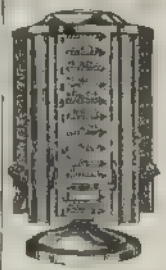
"K-I-S-M-E" [illegible] in pkg.
Y9618—[illegible] pkgs. in jar [illegible] Jar
plus value of jar. Box **59c**

"WRIGLEY'S"

Double wrapped 5 sticks in pkg. 20 pkgs. in box
Y9630 [illegible]
Y9606 "Spearmint."
Y9582—"Juicy Fruit." Box **59c**

Wrigley P-K—Sugar coated gum. [illegible]
Y9584 [illegible] Box **59c**

Wrigley's Gum in Glass Jars— [illegible] glass jar [illegible] plus value of jar.
Y9616—Spearmint Jar **$2.15**
Y9615—Juicy Fruit " **2.15**

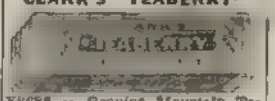


NOTE: Product [illegible] factory

Revolving Display Case Offer

Y909—[illegible] Wrigley's gum, [illegible] revolving case. Gum assorted as follows:
8 boxes Spearmint."
6 [illegible]
4 [illegible]
2 [illegible]
Regular [illegible] Spearmint pkgs. [illegible] and the four eleven [illegible] All parts are [illegible] and the whole is [illegible] Asst. **$18.00**

CLARK'S "TEABERRY"



Y8698 — Genuine Mountain Tea flavor each stick foil wrapped, 5 handed in pkg. 20 pkgs. in box Box **62c**
Case **59c**

"BEECH-NUT"

Y8673—"Beech-nut" chewing gum peppermint flavor, each stick foil wrapped 5 handed in pkg. 20 pkgs in box Box **62c**
10 boxes or more, " **60c**

"OH BOY" GUM

The biggest selling gum on the market

Y8698—Jumbo size stick, 4½ in. long, spearmint flavor, wax wrapped and banded. Retails 1c flavor. Double [illegible] sticks in counter display box Box **65c**
5 boxes or more. Box **62c**

PENNY GUM

Y8611 — Perfect fruit flavor, big penny stick, wax wrapped and banded. 100 sticks in box [illegible] **62c**

"COLUMBUS" PROFIT-SHARING BALL GUM MACHINE

Capacity 1,200 balls

The vender will [illegible] larger play. Means [illegible] so [illegible] and [illegible] balls for every penny [illegible] You [illegible] for [illegible] [illegible] to [illegible] [illegible] [illegible] Fisher [illegible] [illegible] [illegible]

GLASSWARE

No Package Charge

When comparing our very low prices with manufacturers' figures, bear in mind, we make NO CHARGE FOR PACKAGES. In addition, we save you freight, we save your capital and we ship immediately. There's no such thing as waiting from two to six weeks for your goods, when you order glassware from "Our Drummer."

PRESSED TUMBLERS

TABLE TUMBLERS

8½ OZ. COLONIAL

An old standby, but the best of all in this new low price.

1C1606—8½ oz., 4 in. high, taper shape, clear crystal, fire polished, smooth top and bottom, colonial panelled pattern. 24 doz. in crate, 156 lbs. Doz **34c**

5 crates or more, Doz **30c**

9 OZ. HORSE SHOE

A big staple for every store

9 oz., 3¾ in. high, taper shape, clear crystal fire polished, smooth top and bottom horse shoe bottom.

1C1585—24 doz. in bbl., 155 lbs. Doz **33c**

1C2157—6 doz. in case, 20 lbs. Doz **38c**

9 OZ. ASSORTMENT

1C1586—8 styles, 9 oz., taper shapes, clear crystal, fire polished, smooth top and bottom, star, plain and horse shoe bottoms. Asstd. 24 doz. in bbl., 156 lbs. Doz **34c**

8½ OZ. COLONIAL FLUTED

1C1605—8½ oz., 3½ in. high, colonial fluted, straight shape, clear crystal, fire polished, plain thin edge. 24 doz. in crate, 160 lbs. Doz **34c**

9 OZ. HALF FLUTED

Full size with well known horse shoe bottom.

1C1604—9 oz., 4 in. high, taper shape, clear crystal, fire polished, smooth top and bottom, half finger fluted, horseshoe bottom. 24 doz. in bbl., 157 lbs. Doz **34c**

9 OZ. PLAIN TAPERED

Always a big favorite. Do you stock enough of them?

1C1554—9 oz., 4 in. high, taper shape, clear crystal, fire polished, smooth top and bottom, plain bottom. 6 doz. in case, 36 lbs. Doz **38c**

8½ OZ. OPTIC COLONIAL

How these will sell if you name a price like this.

1C2168—8½ oz., 4 in. high, clear brilliant finish crystal, wide colonial optic pattern, plain edge. 8 doz. in carton, 45 lbs. Doz **39c**

8½ OZ. ENAMELED OPTICS

1C2171—2 styles, 8½ oz., 3¾ in. high, clear brilliant finished crystal, raised pearl enameled decoration and grape and leaf effect, narrow and wide optic patterns. Asstd. 6 doz. in carton, 40 lbs. Doz **60c**

8½ OZ. NEEDLE ETCHED OPTICS

Try this out for a one-day special at 9c.

1C2167—8½ oz., 3¾ in. high, clear brilliant finish crystal, optic pattern, 1¼ in. wide genuine needle etching. 8 doz. in carton, 40 lbs. Doz **72c**

CRYSTAL MUGS

4 OZ.

1C1644—4 oz., 3 in. high St. Louis shape, full finished crystal, fluted sides, ribbed base, smooth bottom, stuck handles. 3 doz. in carton, 18 lbs. Doz **57c**

8 OZ.

1C1635—8 oz., 4¾ in. high, full finished crystal, ribbed fluted base, smooth bottom, stuck handles. 2 doz. in case, 36 lbs. Doz **95c**

HOTEL TUMBLERS

9 OZ. OPTIC FLUTED

9 oz., narrow optic flute, tall ware, slight shape, clearest crystal, full finish.

1C1583—44 doz. in crate . . . Doz **35c**

3 crate lots **32c**

1C2173—8 doz. in case Doz **39c**

9 OZ. COLONIAL

Always a big favorite

1C2174—9 oz. (colonial), 3 oz. wide colonial panel straight shape, fine grade clearest crystal, full finish. 6 doz. in case, 35 lbs. Doz **41c**

8½ OZ. FINGER FLUTED

Just think of the sales possibilities at this low figure.

1C2220—8¼ oz., 3¼ in. high, narrow colonial fluted bottom, fine cut quality crystal, smooth finish at tops and bottoms. 8 doz. in case, 40 lbs. Doz **54c**

9 OZ. STRAIGHT SHAPE

Good heavy crystal that saves breakage.

1C1610—9 oz., 4 in. high, straight shape, finest quality clear crystal, smooth finish at tops, extra heavy bottom, non-nestable. 6 doz. in case, 35 lbs. Temp. Out

9 OZ. CUPPED TOP HEAVY CRYSTAL

Non-nestable

1C2061—9 oz., 4 in. high, heavy, solid crystal, fine polished smooth top and bottom. 6 doz. in case Doz **54c**

8½ OZ. OPTIC PANELED

This is a beautiful tumbler and one of our best sellers.

1C1609—8½ oz. optic panel, taper shape, heavy, bold, fine crystal, smooth finished edges and bottoms. 6 doz. in case, 40 lbs. Doz **60c**

8½ OZ. STRAIGHT SHAPE

A ten center that gives you a better than usual profit

1C1603—8½ oz., 3¼ in. high, straight shape, heavy clear crystal, plain finger fluted, non-nestable. 6 doz. in case, 35 lbs. Doz **60c**

OPTICS

TAPER SHAPE

1C1787 1C1787 1C1790

Clear brilliant finish crystal, rich optic design, smooth bottoms and edges, standard sizes. 3 doz. in carton.

1C1783—3 oz., 3½ in. high	Doz	$0.33
1C1784—4 oz., 3½ in. high	"	.35
1C1787—8 oz., 4¾ in. high	"	.48
1C1790—12 oz., 5¾ in. high	"	.72

BELL SHAPE

1C1791 1C1792 1C1793

Fine quality clear fire polished crystal, smooth bottoms and edges, standard sizes. 3 doz. in carton.

1C1791—6 oz., 4 in. high	Doz	$0.48
1C1792—8 oz. 4 in. high	"	.67
1C1793—10 oz. 4¼ in. high	"	.72
1C1794—12 oz. 5¼ in. high	"	.78

GOBLETS

"HOFFMAN HOUSE" PLAIN

Full finished pressed crystal, Hoffman House shape, smooth edges. 3 doz in box.

	Ht.	Doz
1C135—6 oz.	5 in.	$0.89
1C136—10 "	5½ "	.96
1C137—12 "	5½ "	1.15
1C138—14 "	5¾ "	1.25
1C139—17 "	6¼ "	1.60

10 OZ. PLAIN

Heavy stem. A big favorite for hotel use.

1C1650—10 oz., 5¼ in. high, full finished pressed crystal, Hoffman House shape, flat foot, for hotel use. 10 doz. in bbl., 130 lbs. Doz **95c**

12½ OZ. BULLSEYE BAND

1C1651—12½ oz., 5¾ in. high, bullseye band, full finished pressed crystal, Hoffman House shape, extra heavy flat foot. 10 doz. in bbl., 130 lbs. Doz **$1.15**

8½ Oz. Colonial Fluted

Always keep in mind that we ship immediately on receipt of your order. No waiting for the goods.

1C1605—8½ oz., 3 in. high colonial fluted, straight shape, clear crystal, fire polished, plain thin edge. 24 doz. in crate, 160 lbs. Doz **34c**

8½ Oz. Enameled Optics

2 Styles

It's not often you can find a value like this to use as a 9c stimulator

1C2171—2 styles, 8½ oz., 3¾ in. high, clear brilliant finished crystal, raised pearl enameled decoration and grape and leaf effect, narrow and wide optic patterns. Asstd. 6 doz. in carton, 40 lbs. Doz **60c**

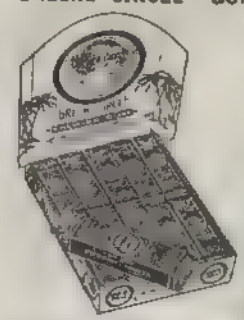
CHEWING GUM and GUM MACHINES

SELECTED FRUIT GUM

Y8663—Chicle base, lasting fruit flavor, each stick double wrapped in wax paper and printed outer wrapper, 5 sticks banded in pkg, 20 pkgs in box. Box **35c**

10 lb. box lots. Box **33c**

"GREENE CIRCLE" GUM

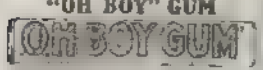


Y8699

Quality chicle gum, one flavor, lasts. Each stick triple wrapped, outer wrapper in bright colors. Package 5c packages in box.

Y8669—Mint flavor
Y8670—Fruit flavor } Box **58c**

"OH BOY" GUM



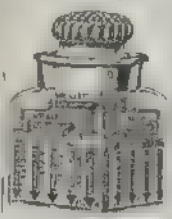
Y8607 Jumbo size stick 4½ in. long, spearmint flavor, wol. sugar coated to retain its flavor. Double wrapped. 100 sticks in counter display box. Box **62c**

"WRIGLEY'S"

Wrigley's "Doublemint"—Double strength peppermint gum, 5 sticks in pkg.
Y8649—20 pkgs. in box. Box **60c**
Wrigley's "Spearmint"—Same as above in pkg.
Y8606—20 pkgs. in box. Box **60c**

Wrigley's "Juicy Fruit"—5 sticks in pkg.
Y8650—20 pkgs. in box. Box **458**
Wrigley's Peppermint—Strong peppermint flavor, 5 sticks in pkg.
Y8650—20 pkgs. in box. Box T. O.

Wrigley P.K.'s—Sugar coated gum, 5 sticks in pkg.
Y8684—20 pkgs. in box. Box **60c**



Wrigley's Gum in Glass Jars
Y8616 Spearmint } Jar **$2.10**
Y8614 Juicy Fruit } **2.10**

"BEECH-NUT"

Y8641 Beech-nut" chewing gum, peppermint flavor, each stick foil wrapped, 5 banded in pkg, 20 pkgs in box. Box **60c**

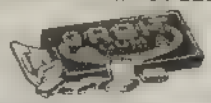
AMERICAN CHICLE CO'S GUMS

ADAMS' "BLACK JACK" — 5 sticks in pkg.
Y8640—20 pkgs. in box. Box **60c**

ADAMS' "CALIFORNIA FRUIT"
Y8619—20 pkgs. in box. Box **60c**

"YUCATAN" sticks in pkg.
Y8604—20 pkgs. in box. Box **60c**

"ORBIT" GUM NUGGETS



Y8622—Pure sugar coated chewing gum, 10 nuggets in pkg, 20 pkgs. in box..... Box T. O.

PROFIT SHARING BALL GUM MACHINE

Note—Machine can be made to run over single ball in a half minute. Nut our guarantee: We will replace any part defective in material or workmanship free of charge.

Y8681 9-3/8x8½ in. machine made of pure alum num, finished in pure white enamel baked on. Will not corrode, light, strong and durable. Equipped with [illegible] Adjustable so as to vend [illegible] gum in varying amounts from about three to [illegible] pieces for a penny. Capacity [illegible] lbs. At first vends one ball, 2nd cent vends three balls, 3rd cent vends two balls. Then the operations begins all over again. Each machine in carton. Each **$5.95**

Y8682—Special inducement. Machine with ten boxes of gum assorted flavors. Complete **$7.95**

Y8683—Bracket (for placing upon stand) with two locks. Each **65c**

VENDING MACHINE AND PENNY BALL GUM

"Advance" Ball Gum Machine. Base [illegible] finished in dark red enamel, heavy glass globe, [illegible] holding 2½ to 3 lbs of gum. Total height 12½ in. [illegible]
Y8679—1 in box, wt. 15 lbs. Each **$6.95**
Y8680 "Advance" machine and 10 boxes of gum assrtd. flavors. Complete **$8.95**
Y8681 Wall bracket, including padlock for above machines. Each **90c**

Penny Ball Gum—For vending machines. 5 flavors. Assrtd. 100 balls in box.
Y8682A—Lots of 10 boxes. Box **22c**
Y8682—Less than 10 box lots. Box **24c**

"COLUMBUS" PROFIT-SHARING BALL GUM MACHINE

Capacity 1,200 balls

The vender will stimulate larger play. Mechanism is so arranged as to vend 1, 2—1, 2, 3, total 9 balls for every 5 pennies. You see [illegible] every ball [illegible] 5 [illegible] buy [illegible] smallest [illegible] machines [illegible]

Y8693 Metal base, white baked enamel, [illegible] glass globe, rubber [illegible] rust proof, [illegible] sanitary and [illegible] ment that will keep out 90% of dust. Each in shipping case, 15 lbs. Each **$8.50**

Y8694 Machine with 1,200 lbs of gum. Each complete in shipping case. Each **$11.90**

BALL GUM AND MACHINE DEAL

Retail value of gum $50.00.
Your profit (machine free) $34.75.

Y8684—Guaranteed machine, height 13 in., all steel base, enameled and bronze striped, [illegible] to get out of order, heavy glass globe holding about 300 balls. Ball Gum very best quality, assrtd. flavors fresh stock. Assrtd. 50 boxes of gum (100 balls in box) with machine. Asst. **$15.75**

WRIGLEY'S REVOLVING DISPLAY CASE OFFER

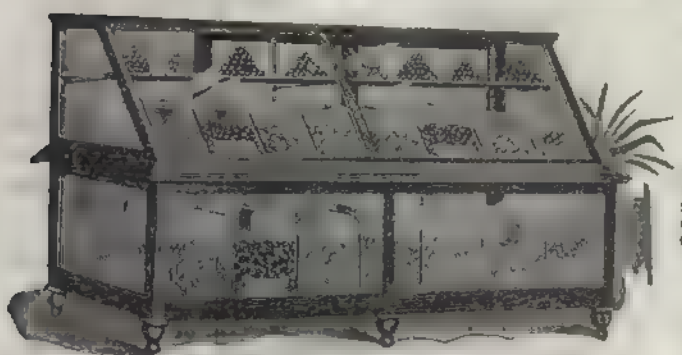
Y909—20 boxes Wrigley's spearmint, [illegible] assrtd
4 boxes Wrigley's [illegible]
6 " [illegible]
3 " [illegible]
2 " [illegible]

Revolving case has 5 compartments each of which holds 5 packs of gum. The front side holding [illegible] All parts are heavily nickel plated, windows are crystal glass and the bottom has felt pad.

Note: Freight prepaid from Chicago factory. ASST **$17.50**

CANDY STORE EQUIPMENT

You can make a big turn in candies if you use the syndicate store methods. Fresh, attractive displays, with price tickets on all items. Here is the needed equipment to boost your candy sales.



This Illustration Shows Complete Case

NOTE—Shipped from factory at Quincy, Ill.

Little Gem display cases have removable front that can be cleaned without disturbing contents, floor of top and bottom sections sand filled, hand rubbed and polished, ornamental copper legs, double strength "A" quality glass throughout, polished wood shelf in top case, counter section without top but grooved for glass top, can be used separately if fitted with glass top.

6 FT. COMPLETE CASE—
6 ft. long, 50 in. high, 27 in. wide, outside measurement. Shipping weight, 350 lbs.
Y9076—Golden oak finish. Each **$92.50**

6 FT. TOP CASE—
6 ft. long, 20 in. high, outside measurement, 21 in. wide, inside measurement. Shipping weight, 175 lbs.
Y9085—Golden oak finish. Each **$44.00**

6 FT. LOWER CASE—
30 in. high over all, 22 in. wide, inside measurement. Shipping weight, 200 lbs.
Y9083—Golden oak finish. Each **$48.50**

8 FT. COMPLETE CASE—
87 in. high over all, 27 in. wide, outside measurement. Shipping weight, 405 lbs.
Y9077—Golden oak finish. Each **$107.50**

8 FT. TOP CASE—
8 ft. long, 20 in. high, outside measurement, 21 in. wide, inside measurement. Shipping weight, 175 lbs.
Y9089—Golden oak finish. Each **$50.00**

8 FT. LOWER CASE—
30 in. high over all, 22 in. wide, inside measurement. Shipping weight, 235 lbs.
Y9084—Golden oak finish. Each **$57.50**

These prices do not include dividers and brackets. Same are extra.
Extra charge $2.00 each for 2nd mahogany finish.

DIVIDER BRACKET

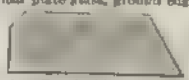
Y8788—Nickel plated metal brackets with adjustable screws for holding glass dividers in place. Pair in pkg. Pair **30c**

FIBER GLASS CANDY PAIL COVERS

Y779—13½ in. diam., 24 gauge steel, brightly tin plated, open face of fiber glass material for covering candies, dried fruits and groceries specialties. Will fit standard candy pail. ¼ doz. in pkg. Doz. **$8.40**

PLATE GLASS DIVIDERS

Clear plate glass, ground edges



8x21 in.—For dividing top case into compartments.
Y9078—6 glass dividers in case. Each **$1.50**
Y9079—4 glass dividers in case. Each **1.50**

12x21 in.—For dividing lower case into compartments.
Y8663—4 glass dividers in case. Each **$1.65**
Y8665—6 glass dividers in case. Each **1.65**

BRASS CANDY SCOOP

Y80—6¼ in., French model, hard rolled brass, bright finish. Each **40c**

SPECIAL CANDY PRICE TICKET ASSORTMENT

Y8081—8 kinds, printed in black on buff colored triangle shape cards. Assrtd. as follows. Quantity

[illegible]	7
[illegible]	7
10c [illegible]	7
10c [illegible]	7
[illegible]	7
25c [illegible]	7
40c "	5
60c "	5

40 cards in asst. Asst. **25c**

PEANUTS and "CHECKERS"

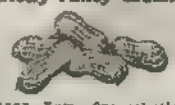
NO. 1 SPANISH SALTED PEANUTS

Unblanched No. 1 Spanish peanuts, selected, medium size well salted, fresh and crisp

Y824—30 lbs. in box ..... Lb 15⅞c
Y1899—10 lbs. in box ..... Lb 17½c
Y684—100 lbs. in drum ..... Lb 15¼c
Y847—200 lbs. in bag ..... Lb 14¾c

FRESH ROASTED PEANUTS

Strictly Fancy Grading



Y1507—Extra fine selection specially selected grading. No. 1 hand picked, strictly heavy bright shell. About 90 lbs in bag.

Lb *14¼

We sell such huge quantities of both salted and roasted in the shell peanuts that our stock is always strictly fresh.

BAYLE'S 5c PACKAGE JUMBO PEANUTS

Y1648—1¼ oz. or more. Jumbo blanched Spanish peanuts, good, clean stock in glassine bag. 24 pkgs. in display carton.

Carton 82c

"PRIZE" CHECKERS

Shotwell's Checker Brand

Popular popcorn confection. Each pkg. contains a souvenir "Alright" moisture-proof disc. Beautiful counter display box to hold 16 pkgs. in each case.

Y620—50 pkgs. in case. Shipping weight 32 lbs.
Case $1.85

Y630—100 pkgs. in case. Shipping weight 54 lbs.
Case $3.69

Freight allowance not to exceed $2.00 per cwt. in 100 lb. shipments from Chicago factory

COOKIE ASSORTMENT

Shipped from factory—always fresh

⇒Y1810—Four Box Assortment consisting of one box each Coconut Bars, Lemon Cakes, Pineapple Bars and Fig Bars as follows

Coconut Bar. Made of ex. winter wheat flour, honey and fancy cocoanut covering. 45 pcs. to lb.

Lemon Cake—Large round dough topped cookie, flavored with imported lemon oil. 28 pcs. to lb.

Pineapple Bar. A honey cake topped with marshmallow and fancy pure pineapple jelly and sprinkled with cocoanut. 16 pcs. to lb.

Fig Bar. Made from best grade of butter, lard, fresh eggs and imported figs. This bar is guaranteed to be free from apple butter in fig jam or oils of any kind in the dough. 22 pcs. to the lb.

Approximate wt. of asst. 80 lbs. ..... Lb 16c

NOTE—Freight prepaid not to exceed 60c per cwt. shipped from factory near Chicago.

JUMBO SALTED PEANUTS

Y1709 — Jumbo Spanish blanched and salted, like almonds, 6 lbs. to fricti top can.

Lb 29c

"COLUMBIA" PEANUT VENDER AND BRACKET

Y9203—Model A, gray iron cast, dark red enamel, aluminum mechanism rustproof and non corrosive metals. Will give years of satisfactions if not satisfied return 1 in case, 14 lbs.

Each $8.25

Bracket — For fastening Y9703 to wall or building.

Y9704—1 in pkg. Each 90c

CRISP JACKET FIG BAR

Crisp and fresh. If you have ever ordered here you know how good the quality is and how fast they sell—if not, don't delay any longer.

Y7612—All flgs used are home grade, [illegible] to be perfect by fresh. About [illegible] to average shipping weight about [illegible] lbs.

Lb 13½c

SODA FOUNTAIN SUPPLIES

Ice Cream Cones

"GOLD BAND"

The finest quality low priced cone on the market

Y9502—Wafer cone, wide 5 size. Contains a cone powder, one of sugar. 100 in partitioned box

Per 100 $0.32
Per M 2.95

"CREMO"

The biggest selling ice cream cone in the world

Y9527—Cake cone. Double baked, a size 18 to pint cone, superior to most cones sold, box wax paper wrapped, 500 in partitioned box

Per M $4.40

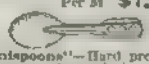
6 M or more,
Per M 4.25

Shipments from factory on 6 M or more freight prepaid

PICNIC SPOONS, DISHES AND FORKS

Tinned Spoon—3½ in. smooth edge

Y8696—1M in box.
Per M $1.72



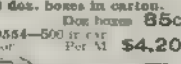
"Sanispoons"—Hard pressed paper can be washed.

MIDGET SIZE—
Y9536—1 M in carton
Per M $1.85

DEMI-TASSE SIZE—
Y9698—1M in carton.
Per M $2.40

TEA SIZE—
Y9500—12 in litho box. 2 doz. boxes in carton.
Box boxes 85c

Y9554—500 in carton
Per M $4.20



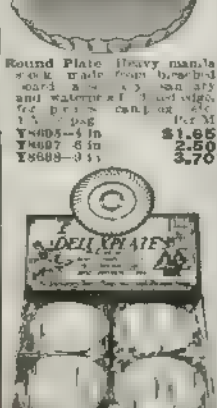
"Sanforks"—Made of hard pressed paper washable.

MIDGET SIZE
Y9537—1 M in carton
Per M $2.95

SALAD SIZE—
Y8591—1 in litho box 2 doz. boxes in carton
Box boxes 85c

Round Plate—Heavy manila stock grade from bleached card and [illegible] and waterproof 3 inch sides for pies, cake or ice cream. Per M

Y8605—4 in $1.65
Y8607—6 in 2.50
Y8608—9 in 3.70



"DeLux" Plates—4½ in. ice cream size, finest grade white waterproof stock. 10 plates in glassine envelope.

Y8493—2 doz. envelopes in display carton
Doz 40c

PICNIC LUNCHEON SETS

"Sanico" 12 Pc. Ice Cream Set—Consists of [illegible] plates, [illegible] spoons, [illegible] napkins. Each set in [illegible] color litho carton.

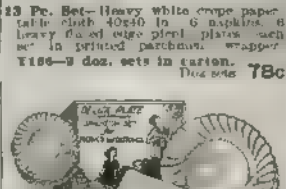
Y9500—
2 doz. sets in box
Doz sets 45c

"Sanico" 30 Pc. Set—Consists of 5 Sanforks, midget size, 5 tin spoons, 5 six in plates, heavy manila stock, 5 paper napkins. Each set in 2 color litho carton.

Y9691—2 doz. sets in box.
Doz sets 85c

13 Pc. Set—Heavy white crepe paper table cloth 40x40 in., 6 napkins, 6 heavy flared edge plaid plates, each set in printed parchment wrapper

Y186—2 doz. sets in carton.
Doz sets 78c



"DeLux" 31 Pc. Set—Each set contains six each of the following 8 in. plaid plates, 4½ in. ice cream plates, paper drinking cups and spoons, white napkins and one 40x40 white crepe table cover, each set packed in colored

Y9586—2 doz. containers in carton ..... Doz $2.00

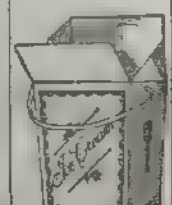
MANILA ICE CREAM PAILS

Wire Handles

Full size, strongly made, wire handles approved by the Bureau of Standards, Washington, D. C. Parchmin boxes, sanitary, leak proof, printed, 100 in crate

Y9550—½ pt.
Per 100 47c
Per M $4.25

Y9559—1 pt.
Per 100 72c
Per M $6.50



Tape Handles

Improved one piece seamless solid manila board with extra heavy tape handle. Every pail stamped with official weights and measures seal. Quantity can may be made up of one or assorted sizes.

Y9548—½ pt. size.
Per 100 56c
1 M lots.
Per M 5.20

Y9547—1 pt. size
Per 100 80c
1 M lots
Per M $7.20

Y9549—1 qt. size
Per 100 $1.15
1 M lots
Per M $10.60

PAPER DRINKING CUPS

"Lily" Cup Style—Heavy tinted waxed paper, roll edge rim, parch [illegible] inches high [illegible] in nest

Y9051—5 oz. 45c $4.25
Y9052—7 " 70c 6.50
Y9054—5 oz., 5 cups in pkg., 10c pkgs. in case
Case $3.50

"SEALRIGHT" PAPER CONTAINERS

Heavy manila board, paraffine coated, absolutely liquid-proof

Y9021—½ pt. size. 500 in case, 25 lbs.
Case $5.65

Y9023—1 pt. size. 250 in case, 30 lbs.
Case $3.90

Y9023—1 qt. size. 150 in case, 18 lbs.
Case $2.85

"GOLDEN" ZWIEBACK

Y1202—5½ oz. triple seal package made from very best Northern wheat flour, rich creamery milk and butter made by a special form a appetizing reserve with any beverage, twice baked, appeals to the taste of young and old particularly convalescents, dyspeptics and invalids. Wt. about 4 lbs.

1 doz. pkgs. in carton
Doz pkgs $1.65

Note—Freight prepaid not to exceed $1.00 cwt. in 100 lb. shipments from factory at Sioux Falls, South Dakota.

ICE CREAM CONES

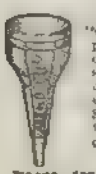
Roberts'—Cake cones known for quality and workmanship, containing milk, eggs, sugar, shortening, flavoring and best pastry flour. 250 in box, 8 extra in box to cover any breakage

Y47—"Sellfast," Cake Cone, standard weight, 24 to the qt.
Per M $3.40

6 M or more shipped from factory freight paid.
Per M $3.30

Y48—"Goodie" Cake cone, extra strong, 20 to the qt.
Per M $4.40

6 M or more, (shipped from factory, freight paid)
Per M $4.25



"Cremo"—Improved cup cone, 20 to the qt. Has extra strong rim and easy to handle. Same high quality as "Cremo" cone.

Y9536—100 in box.
Per M $4.40

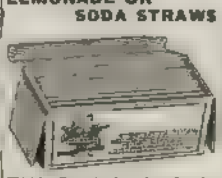
6 M or more,
Per M $4.25

Shipment from factory on 6 M or more, freight prepaid

"CREMO" ICE CREAM WAFER—The Genuine

Y9551—2½x3½ in., cut ice cream wafers and serve in between 2 wafers form of pie. 50 wafers and serve at once. 50 wafers in box. 50 extra wafers in box to cover any breakage
Box $1.40

LEMONADE OR SODA STRAWS



Y229—Regulation size, 8¼ in. long, clean and sanitary, extra strong. 500 in carton. Carton 25c
50 cartons in case.
Case $10.95

NEW BABY AND CHILD'S SETS

COMMUNITY PLATE for the Youngsters in Combination Cartons—

now Standard Pack—*no Extra Charge*

THE intrinsic appeal of COMMUNITY juvenile pieces and sets has been increased many fold by the introduction of beautiful new boxes in full color—packages which will find cordial acceptance both from gift seekers and from the children themselves. These boxes are now standard pack for all the pieces listed. In addition, the combination cartons of best-selling sets, offered below, are sure to stimulate sales.

Buy by the Carton!

CHILD'S SET
(KNIFE, FORK AND SPOON)

THIS DISPLAY-CARTON contains three of the above Child's Sets, which sell for three dollars each. Well displayed it will lead to many additional sales of these popular children's pieces.

THREE 3 PC. CHILD'S SETS *in special Display-Carton No. 43*, $11.28

Display by the Carton!

BABY'S SPOON

SIX of these captivating little Spoon packages and two Fork-and-Spoon sets are included in this Display Carton.

Spoons sell at $1.00 each.

SIX BABY'S SPOONS, *and* TWO BABY'S SETS—*in special Display-Carton, No 44*. $12.40

[ALL CARTONS CONTAIN ASSORTED, BEST-SELLING PATTERNS]

And TUDOR PLATE in these rollicking, full-colored Packages is Delightful!

CHILDREN will love them—and so will fond relatives and friends in search of really practical, inexpensive gifts. These charming boxes (no additional cost) are now standard pack in all three TUDOR PLATE designs—the *Baronet*, *Duchess*, and the new *Queen Bess*.

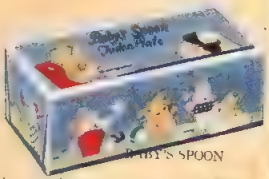
Buy by the Carton!

CHILD'S SET

TUDOR PLATE Child's Sets sell at the popular price of two dollars each. In a setting so fanciful and charming their appeal is irresistible.

THREE 3-PC. CHILD'S SETS *in special Display-Carton, No. 45*.....$7.50

Display by the Carton!



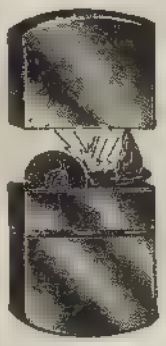
BABY'S SPOON

AT the extremely reasonable price of sixty-five cents and $1.30 respectively, these inviting little gift packets are sure to find a ready sale.

EIGHT BABY'S SPOONS *and* FOUR BABY'S SETS

in special Display-Carton, No. 46 ....$13.12

Cigar Lighters—Matches—Match Cases, Etc.



Cosmo Simplex Cigar Lighter. Convenient vest pocket size, rounded ends, nickel plated, gears easily removed and refilled either with wick or with new flints. The tension readily adjusted by a screw at bottom. In efficiency and appearance equal to any lighter made.

No. 15S16.
Per dozen.... .90

Wonderliter, size 2x1⅛ inches, fine nickel plated and polished. No springs, wheels or weights, top screws in, at end of which is steel striker. No extra flints required, as a large piece of sparkling metal is fastened in base of lighter the entire width. Scratch steel strike across sparkling metal. Guaranteed
No. 15S20. Per dozen..... 2.00

Cigar Lighter

Cigar Lighter. Vest pocket size 1¼x2¼ inches, square shape, heavily nickel plated case. Easily refilled with flints or igniting fluid, by releasing screw at bottom. Pressing the button, the top springs open, ignition follows. One dozen in box.
No. 15S21. Per dozen..... 4.25

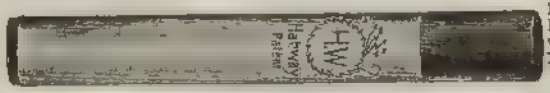
No. 15S13. Extra Flints Round.
Per gross.. 2.50 | Per dozen.. .25
No. 15S17. Extra Flints, Square.
Per gross.. 2.50 | Per dozen.. .25

Match Safe and Matches

Gilt Match Safe and Book Safety Matches. Safe made of metal gilted, neat engine turned lined design, has open space for match scratcher, ring at end for chain. Each packed in a carton with 10 books of safety matches, 50 cartons to a wooden case. Sold in case lots only.
No. 15S45.
Per case of 50 cartons..... 5.00

CIGARETTE SHAPE CIGAR LIGHTER

Cigarette Shaped Cigar Lighter. Just the size of a cigarette, length 2¾ inches, white enamel with polished gilt tip. A novel and practical cigar lighter. Very light in weight. Easy to carry in vest pocket.



No. 15S22.
Per gross. 21.00
Per dozen... 1.85

Shoe Pocket or Charm Cigar Lighter. A new novelty. Shoe is of metal in gun metal finish. Lighter is nickel plated. Easily carried in vest pocket or can be attached to any chain. Handy, convenient and practical. To operate pull lighter out of shoe, turn wheel and you have a light. Width 2⅛ inches. Height 1⅝ inches.
No. 15S23. Per dozen... . 4.50

Safety Matches

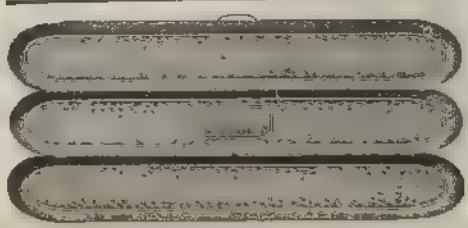
"Parrot" Safety Matches. Best quality, no flying sparks. 1 gross boxes in package.
No. 15S31. Full size.
Per gross..... .85
No. 15S30. Vest pocket size.
Per gross..... .85
Safety Matches. Good quality. One gross in package.
No. 15S32. Per gross..... .65

NOVELTY REVOLVER LIGHTER

Novelty Revolver Cigar Lighter.

An exact reproduction of a revolver. Pull the trigger and you have a light. Very easily operated. Made of a very highly polished nickel with ring at end for chain. Size 8 inches.
No. 15S24.
Per dozen... 10.50 | Each .. .90

Novelty Match Safe. Black enameled background, fancy gilt floral and bird designs, very pretty, bright nickel finished frame all around. Has match scratcher on inside. Size 2¼x1⅝ in.
No. 15S48. Per dozen... . . 1.75



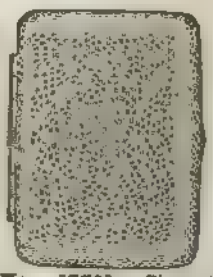
Cigar Case

Aluminum Cigar Case, embossed design made to hold three cigars.
No. 83J55.
Per dozen..... 3.75

High Grade Cigarette Cases

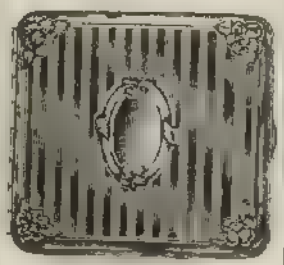
No. 17822. Cigarette Case. Metal, stamped design, hip pocket style, spring catch, gilt lined, holds ten cigarettes with two metal holders.

Per gross..... 9.00
Per dozen..... .80



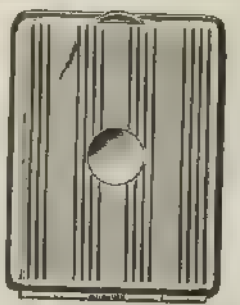
No. 17825. Cigarette Case. Made of metal, hammered design, polished silver finish, gilt lined; holds two rows of cigarettes with spring metal holders. Size 3¼x2½ inches.

Per dozen..... 1.50



Cigarette Case. Made of metal, bent shape, thin model fancy straight lined, engine turn effect with chased effect corners, large center shield for initials or monogram, gilt lined, holds 10 cigarettes in one row with spring metal holder. Size 3⅛x3¼ inches

No. 17835. Nickel finish
No. 17836. Gilt finish. Per dozen..... 1.75
Per dozen..... 2.00



Cigarette Case, thin model, made of metal heavily nickel plated, gold lined, fancy straight line engine turned design, with space in center for monogram or initials. Both sides alike. Size 4⅛x3 in.

No. 17823. Holds ten cigarettes.
Per gross 14.00 Doz. 1.25

No. 17824. Holds 20 cigarettes.
Per gross 16.50 Doz. 1.50

The Cigarette Jumps out to Meet You. Ejector Cigarette Case—Made of brass, heavily nickel plated, engine turned, lined design. Press the button and the cigarette pops out. Holds 10 cigarettes and is refilled in a moment. Nothing to get out of order. Mechanically perfect. Can be operated with one hand and therefore invaluable to the auto driver. Your sales on this item are a certainty.

No. 17850.
Per Doz. 12.00 | Each 1.05

PICTURE CIGARETTE CASES

IMPORTED—BEST GRADE

No. 17831. Cigarette Case. Highly nickel polished metal case with a large assortment of pictures in colors of women in different poses. Gilt lined, holds 10 cigarettes, 5 on each side, with open metal holders. Size 2¾x3¼ inches. One dozen assorted in box.
Per dozen..... 2.00

CHEAP Picture Cigarette Cases. Domestic. Nickel finish, gilt lined, holds 10 cigarettes. Assorted pictures of woman in different poses. One dozen assorted in box.
No. 17829. Per gross .. 11.50 Per dozen. . 1.00

No. 17838. Cigarette Cases. Highly polished nickel metal, with neat raised, embossed Moose design, bronze finish. Gilt lined, spring holders, capacity 10 cigarettes.

Per dozen..... 2.00

No. 17858. Novelty Cigarette Case. Black enameled back ground, fancy gilt floral and bird designs. Very pretty, bright nickel finished frame all around. Holds 10 cigarettes in 2 rows. Size 3 x ¾ in. Each in individual box.
Per dozen . 2.00

17895

17813

Cigarette Cases. Fine white metal, extremely thin model, fancy straight line engine turned design with corner shield for initials or monogram, both sides alike, gilt lined; holds 1 row of 10 cigarettes with spring metal holders

No. 17895. Silver finish. Per dozen. . 6.50

Nickel Cigarette Case. Thin model, assorted engine turned designs with shield in center. Neat shape. Nickel lined. Holds 1 row of 10 cigarettes with spring metal holder. Size 3⅜x3 inches.

No. 17813. Per dozen..... 8.50

Cinematograph, Stereoscopes and Views

Cinematograph

No. 2N132. Cinematograph, 2½ inches long, made of Cardboard, finished in Black Leatherette with powerful magnifying glass. Complete with 20 slides in many different colors. Each set in box.

Per gross sets..... 8.50 | Per dozen sets..... .75

No. 46C1. Stereoscope. Well made scope has a black pressed paper hood, 1-inch high-grade crystal lenses, wood lense holder, screw handle, adjustable slide, natural wood color. One-sixth dozen in box.

Per dozen. .....

No. 46C37A. Stereoscope. Black pressed paper hood, edge bound with velveteen, 1-inch high-grade crystal lenses, screw handle, adjustable slide, natural wood finish. One-sixth dozen in carton

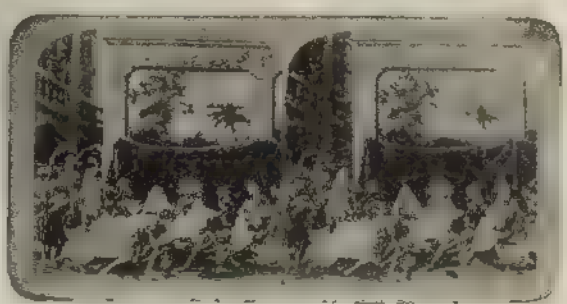
Per dozen..... 4.50

ENGRAVED ALUMINUM HOOD SCOPE

No. 46C3. Stereoscope. Engraved aluminum hood, trimmed with velveteen, 1¼-inch high grade crystal lenses, wood lense holder, screw handle, adjustable slide, walnut finish. One-sixth dozen in box

Per dozen..... 7.80

Stereoscopic Views—Made from original negatives, reproduced in colors. 25 Views in Set.



	Per 25	Per 1000
46C4—Franco-British War Views	.20	6.25
46C5—Italian War Views	.20	6.25
46C7—Fighting Ships and Life of Uncle Sam's Sailor Boys	.20	6.25
46C8—Soldier Boys In France	.20	6.25
46C10—Pets and Animals	.20	6.25
46C12—Wedding Bells	.20	6.25
46C14—Historic Spots of America	.20	6.25
46C15—A Tour Through Dixie-Land	.20	6.25
46C16—A Tour of the Pacific Slope	.20	6.25
46C17—A Tour of the Big Cities of America	.20	6.25
46C18—A Tour Through England and France	.20	6.25
46C21—A Visit to Washington	.20	6.25
46C25—Germany and a trip down the Rhine	.20	6.25
46C26—A Trip to China, Japan and the Orient	.20	6.25
46C27—Niagara Falls and Watkins Glen	.20	6.25
46C28—Wonders of the Old World	.20	6.25
46C30—A Tour of Palestine and the Holy Land	.20	6.25
46C31—Life of Christ	.22	6.75
46C33—Around the World with Uncle Sam's Battleships	.20	6.25
46C36—Girls will be Girls	.20	6.25
46C38—An Automobile Trip Around New York City	.20	6.25
46C39—Uncle Sam's Soldier Boys	.20	6.25
46C40—Big Cities of Europe	.22	6.75

Barometers, Stage Money and Resurrection Plants

MARINER TYPE BAROMETER

Accurately constructed Combination Barometer and Thermometer. The Barometer shows with two needles. One is controlled by the condition of the atmosphere and foretells changes of weather nearly 24 hours ahead. The other needle may be moved by turning thumb screw and should be set daily with the atmospheric needle. Changes may then easily read as one needle remains stationary while the other moves. A house thermometer registering up to 120° is also attached. The barometer is made of wood, hand carved by foreign artists.

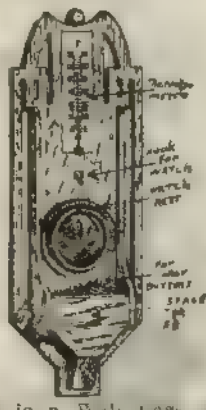
No. 2N364. Per dozen 6.00

MINIATURE SWISS CHALET WEATHER HOUSES

House made of wood with openings through which a man and a woman move backward and forward to indicate the weather. This action is the result of humidity upon a catgut cord support and acts will amazing accuracy. When the man comes out watch out for bad weather. The woman comes out to prophesy nice weather. Height over all 8 inches. Each in box. 200 in case.

No. 2N363.
Per dozen 3.50
Per case of 200 ..... 55.00

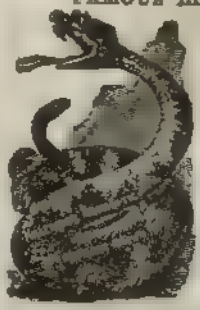
BACHELORS FRIEND
Solid Oak



This is a Wall case intended for use in a gentleman's room. It is 9¾ inches high and is made as a safe and even support for a watch and chain so that the face of the watch is exposed conveniently for telling the time. The pocket under the watch rest is for the watchchain cuff and collar buttons etc. Each wall case equipped with a house thermometer. Wall case of Oak fretsawed in design illustrated. Natural finish. **A fine advertising item.** Packed one dozen in box.

No. 2N365. Per dozen 1.50

FAMOUS LINIMENT



Famous Liniment. Is good for man or beast. Made from penetrating oils and if used according to directions will be found a most valuable remedy in the household. It gives relief to sufferers from Rheumatism, aches, pains, stiff joints, contracted muscles etc. Each bottle in carton. One dozen bottles in a package.

No. 2N63.
Per gross. 9.00 | Per dozen.. .80

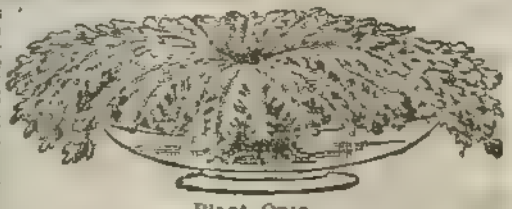
STAGE MONEY

Trade Certificate or Stage Money, a beautifully lithographed certificate light brown on one side, light brown on reverse side. Good for 10c trade. Spend as you like. Saves change. Can be used as script where money is barred. Size 7x3 inches. 1,000 in a package.

No. 2N2L. Per 1,000 ..... 2.50
Per 1,000 (in lots of 10,000) 2.25

Resurrection Plants. Biblical Rose of Jericho

Plant Closed



Plant Open

The Sacred Resurrection Plant (Siempre Viva). Botanically known as Anasta-Tico. Latin name. Selaginella Lepiodiphylla. These rare and curious plants grow and stay green by placing them into water; will also grow in light drained soil. When taken out of water they dry and curl up and go to sleep. They will keep in this state for years and reawaken directly upon being put into water. It's an interesting and pretty house plant, grows in winter if not allowed to freeze. To grow it, simply place the mummified plant in water; it will open up and start to grow in about twenty minutes; after that simply keep the roots in water; change the water once in about four or five days to keep from becoming rancid. 100 in package.

No. 2N626. Per 1,000 ..... 14.00 . Per 100 ..... 1.50

TIME PAYMENT PLAN

1925-1926 MODELS 'CLARODYNE' RADIO SETS

A Wonderful Line — A Wonderful Plan

Merchants of Sufficient Approved Credit Can Use Our Capital

"Clarodyne" Dealers Pay Nothing for 5 Months and Have 11 Months to Complete Payments

Butler Brothers finance this time payment plan for the radio dealer of approved credit by the extraordinary terms of one-half payable NET January 1, 1926, and the balance, namely one-half, payable NET July 1, 1926. Our offer enables "Clarodyne" dealers to make their own terms to customers. You can sell for cash, or if you prefer, on payments of $10.00 per month.

"Clarodyne" radio sets are strictly quality products. We have secured the services of CARL PFANSTIEHL as consulting engineer on radio. The circuit was designed by this famous engineer and these sets are built under his personal supervision.

FREE!

We furnish these time payment blanks free

This Agreement Blank simplifies the time payment plan of selling. All you need do is have your customer sign it. The title remains in you until the goods are paid for. Printed in large type, brief, easy to understand. Has a flap to keep a record of payments.

SEND FOR A SAMPLE AGREEMENT BLANK

"CLARODYNE"

New Model Super Five

The new model "Clarodyne" Super Five assures better selectivity, longer distance, more volume and wonderful tone quality. Equipped with tone clarifier giving most perfect and faithful reproduction. Wave length scale, direct reading, for immediate location of any desired station. Volume control permits tuning distant stations with maximum volume, without distortion, at any dial setting. Designed for low loss throughout. Detector socket floats on springs and thus eliminates microphonic tube noises. Cabinet is solid French walnut, beautifully finished in two-tone effect.

Designed by PFANSTIEHL

This is the "Clarodyne" set without equipment. Send for circular showing other models.

SUGGESTED RETAIL PRICES WRITE FOR YOUR COST

The Above Set Without Equipment	Console Set Without Equipment or Cabinet Table	Console Set Without Equipment, but with Cabinet Table	Cabinet Table Only
$85.00	$125.00	$150.00	$35.00

Our "Clarodyne" Plan

The "Clarodyne" line is offered to the radio dealer who has approved credit. If you can handle this proposition. This page shows the complete line of the Clarodyne Super Five table radio frequency sets. On request we will send descriptive circulars showing all models and quote our prices to you.

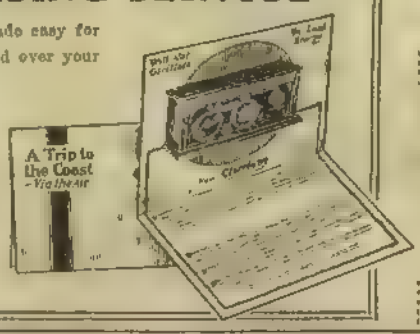
"Clarodyne" Not Shown in "Our Drummer" with Number or Price

This line is for dealers who want to build a permanent radio business. We have built this up over a period of years which we furnish FREE under your name and mail to your customers. This offer is for

Only One Merchant in a Locality

FREE ADVERTISING SERVICE

The selling of "Clarodyne" sets is made easy for you by our plan of sending folders printed over your name to your mailing list. Butler Brothers pay the cost of these folders, and charge the "Clarodyne" dealer only 1½c each for postage. Send us your list of prospective buyers—100, 200, 300 or more and we will take the first steps to make them envious to hear you demonstrate the "Clarodyne."



FOR FULL DETAILS, MAIL THIS TO

BUTLER BROTHERS,
First Ave. North and Sixth Street,
MINNEAPOLIS, MINN.

Gentlemen:

I am interested in your time payment plan of selling "CLARODYNE" Radio Sets and you may send me full information.

Name _____

City _____ State _____

FREE SAMPLE

Why We Offer This Free Sample Opportunity

We know that to display these Radio sets will be to sell them. Therefore, we suggest that you order an *Aladdin—"SUPER FIVE" 5 Tube Radio Frequency Set*, under the conditions stated below.

OUR SPECIAL OFFER

Your order for this sample radio set 3H1150 will be recorded on our ledger as due NET January 1, 1926. If by that date you have purchased 6 other Aladdin—"Super Five" radio sets and paid for them according to our regular terms, we will send you a credit memorandum for the amount of the original sample.

Aladdin—"SUPER FIVE" RADIO FREQUENCY SET

Designed by PFANSTIEHL

NEW 1925-1926 MODELS

Aladdin radio sets are strictly quality products We have secured the services of CARL PFANSTIEHL as consulting engineer in radio. This circuit was designed by this famous engineer and these sets are built under his personal supervision. The cabinet is of Solid French walnut, with a new design sloping panel. Better selectivity, longer distance, clarified tone, volume control, low loss throughout—these are some of the characteristics that make this a set of real quality.

THE WONDERFUL LAMP

THE WONDERFUL RADIO SET

Designed by PFANSTIEHL

3H1150—New model "Super Five," cabinet of solid French walnut with a new pattern sloping panel designed by a nationally famous furniture designer This circuit assures **better selectivity, long distance, more volume** and wonderful **tone quality.** It is equipped with a **tone clarifier** insuring a most perfect and faithful reproduction. The **wave length scale** (direct reading enables you to immediately locate any desired station. The **volume control** permits tuning distant stations with maximum volume, without distortion, at any dial setting. The set is designed for low loss throughout The **detector socket floats on springs** and thus eliminates microphonic tube noises. WITHOUT EQUIPMENT. 1 in carton, 48 lbs. **$49.50** EACH

Suggested retail price **$85.00**

ADDITIONAL EQUIPMENT

Following is the additional equipment required to make the above set a complete receiving outfit:

3H Special—5 tubes, 201A type....Each		$2.25
3H7386—2 "B" batteries, 45 volts each	"	2.80
3H7382—1 "A" storage battery, 6 volts, 95 amperes	"	14.25
3H760—1 "Aladdin" loud speaker.	"	7.40
3H8252—1 pair "Murdock" headphones, 3,000 ohms..... Set		2.95
3H9812—"Polymet "E-Z-Fone" plugs. Each		.33
3H9904—1 complete aerial outfit...	"	2.25

Aladdin—"SUPER FIVE" Console Model

The last word in radio

The same set as above with a wonderful built in loud speaker in a French walnut cabinet table. Space is provided in the set for "B" batteries and in the cabinet for "A" battery and charger. A handsome piece of furniture and a truly wonderful set combination.

3H1151—Console set without cabinet table.....Each **$68.00**
Suggested retail price, $125.

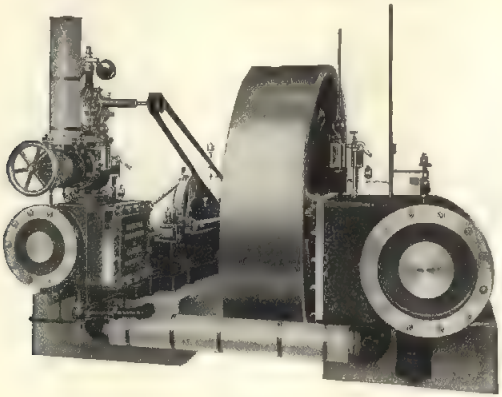
3H1154—Console set, with cabinet table.....Each **85.00**
Suggested retail price, $150.

3H1146—French walnut cabinet table, 40 in. long, 18 in. wide and 31 in. high, may be used for any radio set. Equipped with disappearing arm rest. Suggested retail price, $35 .Each **$17.00**

The additional equipment required for these console sets is the same as for 3H1150, shown on this page except that the loud speaker is not required. Our charger 3H8167 is recommended for use with these sets.

NOTE—The purchase of sets 3H1151 and 3H1154 will apply on our Free Deal Offer on 3H1150, counting the same as a purchase of the 3H1150 set.

Class "H," Cross-Compound Throttling Engine



No. 1327.

The High Pressure Cylinder may be at Either Side of the Cross-Compound Engine, but our Usual Arrangement will be as Illustrated Above. The Illustration on this Page Shows Small Size Engine.

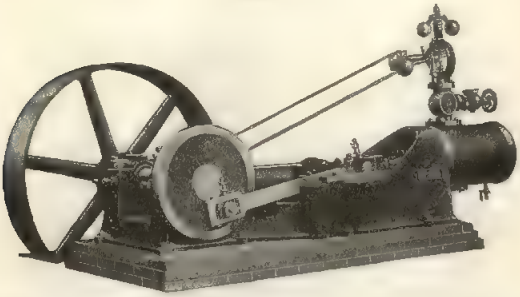
Size		Speed	Indicated H P.		Band Flywheel		Space Occupied		Equivalent Heavy Duty Corliss Engine, Cylinder Bore, Inches
			Pressure at Throttle						
Bores Inches	Stroke, Inches	Revolutions per Minute	120 Lbs.	140 Lbs.	Diameter, Inches	Face, Inches	Length, Inches	Breadth, Inches	
10 and 15	18	150	75	90	72	19	136	90	12
		175	88	**105**					
		200	**100**	120					
12 and 18	18	140	114	137	84	31	153	100	14
		160	130	**156**					
		185	**150**	180					
14 and 20	20	140	156	187	96	25	171	118	16
		160	178	**213**					
		180	**200**	240					
15 and 22½	22	135	190	228	108	31	178	126	18
		145	220	**264**					
		165	**250**	300					
17 and 24	24	100	200	240	120	38	206	142	20
		125	250	**300**					
		150	**300**	360					
19 and 28	28	100	308	370	132	36	227	158	23
		115	354	**425**					
		130	**400**	480					

Engine complete includes: Bare Engine with Continuous Oiling Devices consisting of Brass Pipes, Wipers and Troughs, with large size Sight Feed Stop Feed—Oil Cups and Cylinder Cocks Throttle Valve, Governor and Belt, Two Double Connection Automatic Sight Feed Cylinder Lubricators, one for each cylinder, and two Spanner Wrenches, Band Flywheel, Receiver Pipe between cylinders, Foundation Bolts and Washers

These engines are designed for high steam pressure, and to operate non-condensing. Under these conditions, they are more economical than single cylinder Corliss engines of equal capacity. On request we shall be glad to go into the question of economy more at length. The higher the pressure, the larger the engine, and the heavier the load the better the economy. The superiority in economy over a Corliss engine, becomes large at over-loads. The maximum over-load capacity is about twenty-five per cent. in excess of the rated horsepowers.

Class "A" Heavy Duty Engine

No. 1325

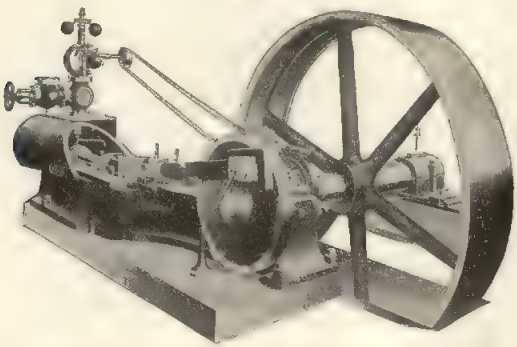


Side Crank. Self-Contained. Built Right-Hand or Left-Hand. Cut represents Right-Hand.

This engine has all the advantages of the side crank type, and is self-contained. The quarter boxes in the main bearings are adjustable. Removable heads at both ends of cylinder, with ground joints instead of gaskets.

Class "C" Heavy Duty Engine

No. 1326



Side-Crank, with Detached Outboard Bearing. Built Right-Hand or Left-Hand. Cut Shows Left-Hand.

This engine is simple in design; all parts are accessible; wherever wear can occur ample means for adjustment are provided. The construction is the same as the installation illustrated above.

A ROMAN SUPER-NOVELTY

EUROPE'S MOST FAMOUS Feminine Athlete

Since Time's Aerobatic Records Began There Has Been No One to Compare With Her

UNBELIEVABLE HEAVYWEIGHT LIFTING, BALANCING and JUGGLING

Balancing a Roman Chariot on Her Chin

The Suspended 500-Pound Cannon Discharged, Hanging From Alba's Mouth

The Catapult-Thrown Torpedo, 248 Pounds, Caught on Her Shoulders

An Unanswerable Physical Culture Exhibit

A GREAT FEATURE FOR SPECIAL BIG EVENTS

CLAUDIA ALBA

THEIR UNUSUAL SPEED CAUSES SHIVERS OF DELIGHT

REVOLVING RAES

ROLLICKING THRILLS AND SHEER EXCITEMENT

Their Very Versatile Second Act Combining Trapeze, Roman Rings
Single and Double Contortion and New Acrobatics

EVERY ACT *IN THIS CATALOG CONTROLLED EXCLUSIVELY*
BY **WORLD AMUSEMENT SERVICE ASSOCIATION, Inc.**
"SERVICE and SATISFACTION"

A Comedy Revolving Ladder

THE BLUM TRIO

With A Routine All Their Own

THE SECOND ACT A SHOWY CREATION IN WHITE

ART POSING —HERCULEAN ACROBATICS
A VISUAL DELIGHT SATISFYINGLY NEW

EVERY ACT *IN THIS CATALOG CONTROLLED EXCLUSIVELY*
BY **WORLD AMUSEMENT SERVICE ASSOCIATION, Inc.**
"SERVICE and SATISFACTION"

A Thriller That Has Amazed The World

Cliff Curran

The Swinging Phenomenon

Sensational Acrobatic Accomplishments on a High-Slender-Tapering Swaying Pole—**70** Feet in Actual Height

One Moment Between Life and Eternity

EVERY ACT *IN THIS CATALOG CONTROLLED EXCLUSIVELY* BY **WORLD AMUSEMENT SERVICE ASSOCIATION, Inc.**

"SERVICE and SATISFACTION"

Automatic End Dump Quarry Cars

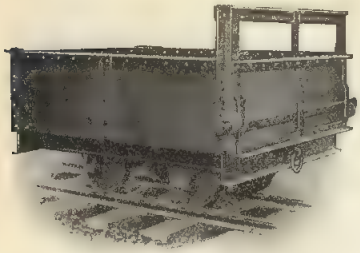


Fig. 608. Steel Car

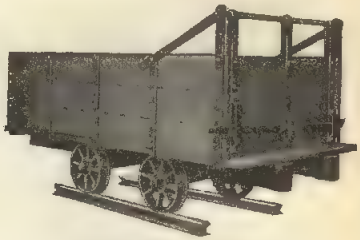


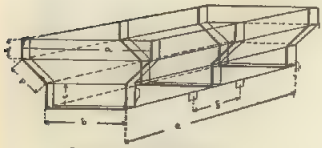
Fig. 613 Wood Car

Made in sizes 1 yard to 3 yards capacity of either steel or wood to suit purchaser's requirements. Track gauges usually 30 to 48 inches. Wood cars are of oak and may be had with steel lining if desired.

Be sure to state in inquiring for prices—Number of cars wanted; track gauge; whether all steel or wood; if wood, whether lining is wanted; if so, on bottom only or throughout inside; kind of material to be handled; kind of wheels and bearings preferred, and what limitations to size of car, if any.

Coal Mine Cars

Built to order only, of either steel or wood, to special proportions and of any gauge of track, in capacities from 20 to 80 cubic feet. We furnish plain or chilled wheels, with or without self-oiling hubs.



Dimension Diagram

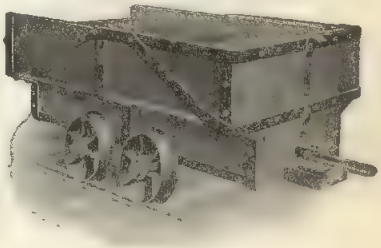


Illustration shows Style M Car, Cast or Steel Bumper

Inquiry Blank

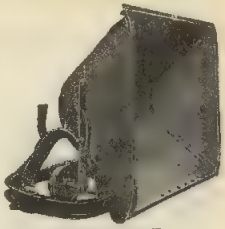
State number and style wanted and gauge of track.
Style and diameter of wheel.
Kind of axle—square or round.
Distance "F" (centers of axles).
When wheels are tight on axles give information as to inside or outside bearings, and state kind of oil boxes desired; also give length and diameter of journal.
Capacity in cubic feet level full (about 40 cubic feet to the ton).

Distance "a" "b" "c" "d" "e" in dimension diagram.
Distance "h" when extra vertical plank is used.
Distance between bumpers of four-bumper cars.
Height that car is wooded up in rear end above bottom plank.
Thickness of bottom and side planks.
Size of iron for front, center and rear binders or belts.
Bumpers, side or center and size of iron.
Size of rear cross binder.
Diameter of hole in end of draw-bar.

Two-Way Dump Car

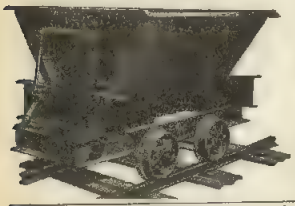
No. 451

Two-way Dump Car has wheel pressed on axles and roller bearing boxes.



List No.	Capacity Cu Ft	Length Inches	Size Overall, Inches		Size Plate		Diam. Wheel	Weight Lbs.	Track Gauge
			Width	Height	Sides	Ends			
451-C	21	75	52	45	No. 10	No. 10	12 in.	900	24
451-D	27	90	58	45	No. 10	No. 10	12 in.	975	24
451-E	36	98	58	48	No. 10	3/16"	14 in.	1150	24
451-F	41	98	58	48	No. 10	3/16"	14 in.	1350	24

Prices on cars as above or with 30 inch track gauge furnished on request.



No. 450 Rocker Race Dump Car

Rocker Race Car furnished with self-oiling wheels unless otherwise ordered.

List No.	Cap. Cu. Ft.	Lgth Ins.	Size Overall, ins.		Size Plate		Diam. Wheel	Wght. Lbs.	Track Gauge
			Width	Height	Sides	Ends			
450-B	21	66	52	41	No. 12	No. 10	12 in.	900	24
450-C	27	77	57	45	No. 10	No. 10	12 in.	1000	24
450-D	36	77	57	51	No. 10	No. 10	14 in.	1200	24
450-E	41	79	60	51	No. 10	3/16"	14 in.	1400	24

Prices on cars as above or with 30-inch track gauge furnished on request.

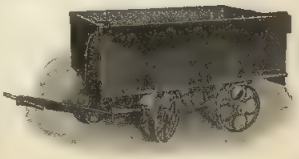
No. 420 Scoop Car

Scoop Car is built with Turntable which allows car to be dumped from any position. Furnished with roller bearing wheels.

List Number	Capacity Cu Ft.	Track Gauge Inches	Diam. Wheels Inches	SIZE OVERALL			Weight Pounds
				Length, Ins.	Width, Ins.	Height, Ins.	
420-A	12	24	10	48	31	42	625
420-B	18	24	12	53	32	43	775
420-C	21	24	12	59	32	48	850

No. 472 Coal Charging Wagon

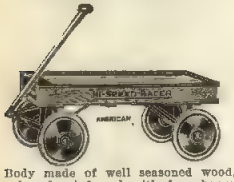
The body is bolted to trucks and can readily be reversed if door is required opposite hand. The side drops forming a shaft to shovel from car direct to boilers. Extensively used in boiler rooms.



Car No.	Cap., Lbs.	Overall Dimensions			Gauge of Steel			Size of Wheel	Wgt. Lbs.	Price
		Lgth.	Width	Hgt.	Sides	Bot.	Door			
472-A	600	62"	32"	27"	No. 12	No. 12	No. 12	12"	500	$125.00
472-B	1000	70"	41"	37"	No. 10	No. 10	No. 10	16"	650	145.00
472-C	1500	70"	53"	37"	No. 10	No. 10	No. 10	16"	950	185.00

CHILDREN'S VEHICLES

HI-SPEED RACERS



Body made of well seasoned wood, glued and reinforced with four heavy cleats; top rail; hardwood bottom; steel gear well braced; double disc steel wheels with roller bearings and large cushion tires; red top rail; body natural color varnished and lettered in red.

No.	Body, in.	Wheels, in.	Tire, in.	Weight, lbs.	Each
148	16x36	9½	¾	35	$10 50

One in a carton.

AMERICAN COASTERS

Well seasoned wood glued and reinforced with four heavy cleats, top rail and hardwood bottom; roller brake, extra strong steel gear reinforced with steel braces; double disc steel wheels with roller bearings and large cushion tires; top rail red, body natural grain with artistic lettering and decoration.

No.	Body, in	Wheels, in	Tire, in	Weight, lbs.	Each
261	14x32	8	⅝	30	$11 00
263	16x36	9½	¾	34	12.00

One in a carton.

LITTLE TOT COASTERS

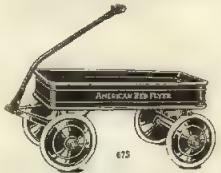
Double disc, rubber tired wheels, finished in red, box made of well seasoned selected wood, glued and reinforced with heavy cleats, body finished in natural grain and artistically decorated; red top, bolsters of hardwood and well braced.

No.	Body, in	Wheels, in.	Tire, in.	Weight, lbs.	Each
37X	8x16	4½	⅛	8	$4.50
38	10x20	4½	⅛	10	5.00
39	11x24	5½	⅛	13	7.00
40	12x28	7	⅛	18	8.25

Two in a carton.

CHILDREN'S VEHICLES

ALL STEEL RED FLIERS

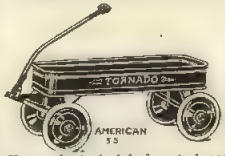


Sheet steel body with large roll on top and bottom, reinforced with two beads; all steel roller brake; heavy steel gear riveted to body; double steel wheels with roller bearings, nickel plated "Stay-On" hub caps and balloon type corrugated rubber tires; body and wheels finished in bright red baked enamel; gear, platform and handle are baked black enamel

No.	Body, in.	Wheels, in.	Tire, in.	Weight, lbs	Each
675	15½x33½	10	1	40	$18.15

One in a carton.

TORNADO STEEL COASTERS



Heavy sheet steel body; steel gear; double disc steel wheels; nickeled hub caps; curved steel handle with loop; body finished in blue, wheels in red, gear and handle black enameled

No.	Body, Wheels, Tire, Weight. in.	in.	in.	lbs.	Each
55	13½x32½	9½	¾	30	$12.00

One in a carton.

TORNADO JR. COASTERS

Construction and finish the same as No. 55

No.	Body, in	Wheels, in.	Tire, in.	Weight lbs.	Each
31R	10x22	6	⅝	11	$7 00
32R	11x24	7	⅝	14	8 00
33R	12x26	8	⅝	19	9.00

Two in a carton.

CHILDREN'S VEHICLES

AMERICAN BOY WAGONS

Beaded sheet steel sides, smooth electrically welded joints; kiln dried wood bottoms, tongued and grooved; extra strong upper front and tongue braces; one piece lower front gears; reinforced rear gears; finished red outside, green inside, gold stenciled; gears and wheels black enameled.

No	Body, in.	Wheels, in.	Wt. Per Doz. lbs.	Per Doz
04	8x18	6	70	$34.50
02	10x22	8	95	48.50
1	12x26	10	175	63.00
3	14x30	11	220	72.00

No. 04, one half dozen; No. 02, one third dozen; No. 1, one sixth dozen in a carton.

FARM WAGONS

Hardwood frame for body, seat and dash board; sides can be removed leaving bed with stakes; painted green and decorated in black and yellow.

Extra strong gears; hardwood bolster and reach; steel braces; axles ¼ inch round steel, painted red with black striping; wheels have malleable steel hubs, welded tires and shaved spokes, finished in red with black striping. Body 18x36 in.; wheels 14 and 20 in. Furnished with either tongue or shafts.

No. 854—With tongue...Each $28.50
No. 855—With shafts...Each 33 00

One in a carton

TOY WHEELBARROWS

Steel body, red enameled; steel disc wheels, green enameled; steel legs, black enameled; natural wood handles.

No.	Body. in.	Wheel, in.	No. in Car-ton	Wt. Per Car-ton	Per Doz.
5D	8x11	6	12	37 lbs.	$15.00
6D	10x12½	7	6	25 lbs.	21.00
7D	11x15	7	6	35 lbs.	24.00

"Bounty" *Your Dream Boat Come True at a Price You Never Dreamed!*

$3875*

Full particulars and scale model at Booth 87, New York Motor Boat Show. Visit us and make arrangements for a demonstration sail.

L.O.A.	38'9"
L.W.L.	27'6"
Beam	9'8"
Draft	5'8"
Ballast	6650 lbs.
Sail Area	638 sq. ft.

Accommodations for 4 persons with plenty of locker and stowage room

Builder Thos. D. Scott, Riverside Conn.

RHODES DESIGN
A real single hander by an outstanding designer

HONEST CONSTRUCTION
On a cost-saving, production basis

PRESCOTT WILSON SAILS

UNIVERSAL POWER
25 h.p. "Utility Four" with self starter

LOW PRICE

EASY FINANCING

$1500 DOWN PAYMENT

Balance payable up to 18 Months after delivery

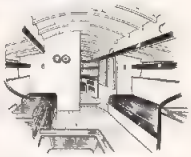
**Price subject to change without notice.*

BOUNTY, your dream boat, is now in the water, sailing. Others are under construction. Still others are ordered, awaiting their turn at the builder's yard. You can have your boat for the coming sailing season *if you enter your order now*

A fast single hander with reliable auxiliary power, BOUNTY is built primarily to satisfy the cruising requirements of most sailormen. Yet her lines and construction, and her practical, comfortable accommodations all compare favorably with auxiliaries of much higher price. Only the volume building of BOUNTYs and the fact that you deal directly with the company in back of this boat, make this low price possible. BOUNTY is built *and* sold by the same organization. Her sponsors are ready and able to guarantee her honest workmanship and the quality of her materials.

BRIEF DETAILS

Mahogany planking. 1⅝" square white oak frames on 9" centers. White oak keel and timbers. Exterior trim mahogany. Hollow spars, permanent backstay. Electric lights and full cruising equipment.



View from the main cabin looking into the forward stateroom on the Bounty.

BOUNTY is built closer to New York than any other stock auxiliary of her size. You can see BOUNTY in various construction stages, the guaranteed quality of her workmanship and materials. Write for brochure and line drawings of this splendid yacht which anyone would be proud to own—which practically everyone can afford to buy.

★

COLEMAN BOAT COMPANY, Inc.
ROBT. HEARD HALE, *Sales Representative*
420 LEXINGTON AVE., NEW YORK CITY
Telephone: MUrray Hill 5-3690

Coleman Nationally Advertised Quick-Lite

GASOLINE LAMPS AND LANTERNS

Thousands of homes have been modernized by the fine lighting qualities of Coleman "Quick-Lite" gasoline lamps and lanterns. There is no lighting purpose that one of these lamps will not serve.

"QUICK-LITE"

The best selling gasoline lamp in America

2C2896—Mfrs CQ320. 20 in. high, 10 in. embossed design white opal glass shade. 1 in carton, 10 lbs. Each **$6.25**

2C329—Shade only for 2C2896. ½ doz. in pkg. Each **$1.00** Doz **$9.00**

"QUICK-LITE" GASOLINE LAMPS

Lights with common matches, gives 300 candlepower light, burns 18 hours. Brass fount holds 3 pints gasoline. All brass parts nickel plated. Each lamp complete with glass shade, mantle, pump, wrench, hanger, cleaner pick and extra generator.

23 in. high. 10 in. shade. Complete—1 in carton.

2C2836—With opal shade. Each **$6.25**

2C3006—With ruby shade. Each **$6.50**

Shade Only—½ doz. in pkg.

	Each	Doz
2C2845—Green	$ 0.40	
2C3005—Opal	10.50	

2C2846—Mfrs CQ321. 23 in. high. 10 in. shade, bugproof, ¼ frosted, ¼ transparent. 1 in carton, 10 lbs. Each **$6.50**

2C2832—(Mfrs CQ318) 22 in. high, 10 in. embossed vine and rose design, tinted opal glass. 1 in carton, 10 lbs. Each **$7.00**

2C2863 — Mfrs CQ333. 19 in. high, 10 in. ribbed opal shade with asbestos coated wire bug screen. 1 in carton, 11 lbs. Each **$7.00**

2C3005 — Shade only for 2C2863. ½ doz. in pkg. Doz **$10.50**

"QUICK-LITE" SUPPLIES

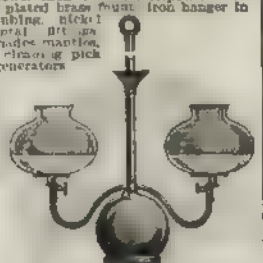
		Doz
2C3343—Mfrs QG9	Generator. 1 doz. in box	$ 3.00
2C3344—Mfrs QG0	Burner generator and valve assembled	24.00
2C18—Mfrs QG8	Gas cap. 6 in pkg	Each .05
2C23—Mfrs QG3	Burner cap. 3 in pkg	.15
2C56—Mfrs QG5b	Valve stem and nut. 2 in pkg	.20
2C57—Mfrs QG7	Valve complete. 1 in pkg	.50
2C58—Pump. 1 in pkg		.50
2C59—Tip cleaning needle. 1 in pkg		.05

"QUICK-LITE" CHANDELIERS

27 in. high, 2 burners, 300 candlepower each or 600 candlepower both. **Burns 18 to 18 hours.** 3 quart nickel plated brass fount. Iron hanger in ¾ in. brass tubing, nickel plated ornamental fittings. Complete with shades, mantles, pump, wrench, cleaning pick and two extra generators.

2C2834—(Mfrs DQ329) Complete with 10 in. paneled white opal glass shades. 1 in crate, 20 lbs. Each **$12,00**

2C329—Shade only for 2C2834. ½ doz. in pkg. Each **$1.00** Doz **$9.00**



2C2844—(Mfrs DQ321) Complete with 2 in. globes, ¼ frosted, ¼ clear. 1 in carton, 20 lbs. Each **$12,50**

2C3194—Globe only for 2C2844. 1 in pkg. Each **$1.25** Doz **$13.50**

"QUICK-LITE" BRACKET LAMPS

1 pint nickel plated brass fount, burns 14 hours. Complete with shade, mantles, pump, cleaning tools and extra generator.

2C2835—Mfrs EQ10. Complete with 10 in. white opal glass shade, ruffled panel pattern. 1 in case, 20 lbs. Each **$6.75**

2C328—Shade only for 2C2835. ½ doz. in pkg. Each **$1.00** Doz **$9.00**

2C2842—(Mfrs EQ321) Complete with 9 in. globe, ¼ frosted, ¼ plain glass. 1 in case, 20 lbs. Each **$7.00**

2C3709—Globe only for 2C2842. 1 in pkg. Each **$1.25** Doz **$13.50**

NEW "QUICK-LITE" LANTERN

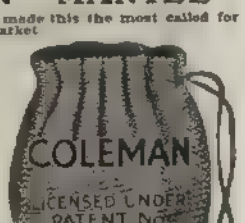
2C2831—(Mfrs LQ327) 14 in. high, gives 300 candlepower light, 2 pint fount, burns 15 hours on one wind, all brass parts nickel plated. Built in pump. Complete with mantle, mica chimney, reflector, cleaning pick and extra generator. 1 in carton . . . Each **$6,00**

AIR-O-LITE ARC LAMP

2C2858—Mfrs RV110. 20 in. high, ½ gal. fount, burns 36 hours guaranteed to carry in wind, all metal parts nickel plated. Equipped with 3 mantles, lighter, pump, wrench, extra asbestos filler, extra tip screen and set of cleaning tools. 1 in carton, 20 lbs. Each **$11,00**

"COLEMAN" MANTLE

Unsurpassed service has made this the most called for mantle ever offered on the market



2C3725—Mfrs V41. **Coleman "Junior."** 2½ in. long, No. 36 Egyptian long fiber cotton closely knit, non-shrinkable best grade, asbestos string. 2 in ctn. 1 doz. in box. Doz **$0.75**

Lots of 1 to 3 gro.	Gro 8.00
Lots of 4 to 6 gro.	Gro 7.50
Lots of 7 gro. or more	Gro 7.00

BUG SCREEN

2C3346—Asbestos coated wire screen. For 2C2835, 2C2846, 2C2863, 2C2839 and 2C2806 lamps. 1 in pkg. Each **75c**

MICA CHIMNEY

2C2845—(Mfrs 327) for 2C2830 lantern. 1 in pkg. Doz. **$6,00**

A WONDER

This lantern holds the very highest place in the estimation of tourists, farmers and workers. Once used nothing else will ever satisfy.

"QUICK-LITE" LANTERN

2C2830 — (Mfrs LQ327) 14 in. high, gives 300 candle power light, 2 pint fount, burns 15 hours in any wind, all brass parts nickel plated. Complete with mantles, mica chimney, reflector, pump, wrench, cleaning pick and extra generator. 1 in carton, 6 lbs.

$5.25 EACH

TABLE and FLOOR LAMPS

Cold type and printed illustrations fall far short of showing you the beauty and charm in these lamps. When your customers actually see them on display in your store **their attractiveness will make many a quick sale for you.**

METAL BASE TABLE LAMPS

All wired complete with sockets, silk cord and 2 pr. plugs ready for use. No bulbs included. For bulbs see page 294.

Carved Effect Metal Base

1 light, 23 in. high, 16 in. art shade, 6 amber glass panels, key socket. 1 in bbl. about 35 lbs.

	Finish	Lbs.	Each
2C4185—Antique gold	58		$7.25
2C4186—Polychrome	58		

Flemish Gold Finish Base

2C4187. 2 light, 21 in. high, 16 in. round dome shade, 8 amber panels, cerise corner inserts, colonial design base, pull socket. 1 in bbl. 38 lbs.

Each **$8.95**

Metal Base

2 light, 24 in. high, 18½ in. round scenic shade, 6 blue glass panels, green grass skirt, pull sockets. 1 in bbl.

	Finish	Lbs.	Each
2C4190—Antique gold	58	60 lbs.	$12.50
2C4191—Hammered gold and polychrome	60		$12.75

Period Design Base

2 light, 22 in. high, 18 in. oval shape silk shade, rose lined, silk fringe and skirt to match, gold braid trim, gold and black finish handled vase effect metal base. 1 in carton, 20 lbs.

2C4230—With BLUE silk shade.
2C4231—With ROSE silk shade.

Each **$12.85**

Bronze & Polychrome Finish Base

2C4192. 2 light, 23½ in. high, 13 in. art metal shade with 8 amber glass panels, cerise corner inserts, art nouveau design shade and base, pull sockets. 1 in bbl. 41 lbs.

Each **$13.25**

Bronze Gold Finish Base

2C4194—2 light, 23 in. high, 19 in. round dome, art shade, 4 amber panels, cerise corner effect panels, rich artistic filigree base, pull sockets. 1 in bbl. 47 lbs.

Each **$14.95**

PORTABLE LAMP

Clamps to back of chair or to bed

2C3762—"Wallace" 12 in. high solid brass satin finish adjustable shade, push button socket, sprung base, clamps to back of chair or bed 5 ft. extension cord, swivel plug without bulb.
1 in carton, 1 lb.

Each **$1.75**

DESK LAMP

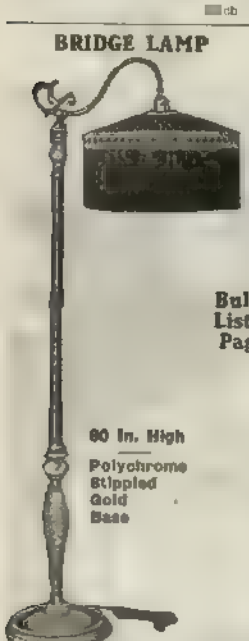
Easily adjustable to any position especially popular with students and business men

"Flex-lite," 21 in. high adjustable in any direction, parabola shade, key socket, wired complete with 5 ft. mercerized parallel cord. Benjamin swivel plug. 1 in case, 12 lbs.

2C3289—Flemish finish.
2C3186—Pompeian finish.

Each **$1.95**

BRIDGE LAMP



60 In. High — Polychrome Stippled Gold Base

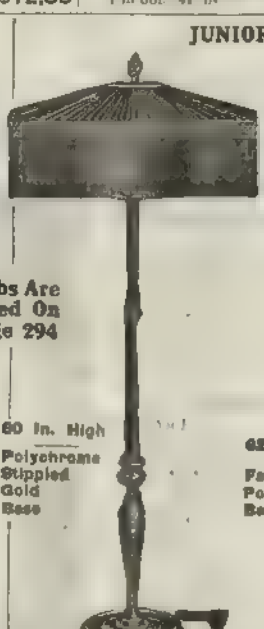
Polychrome base finished in stippled gold, 60 in. high, solid brass arm, pull chain socket, 2 piece plug. Oval shade, silk cord to match shirred top, shirred lining, picot bounce, 6 in. double artificial silk fringe, gold braid.

2C9040—Base only. Each **$6.00**
2C9041—Blue shade, rose lined.
2C9042—Black shade, orange lined.
2C9043—Putty shade, orange lined. } **$6.00**

(Complete lamp $12.00)

JUNIOR LAMPS

Bulbs Are Listed On Page 294

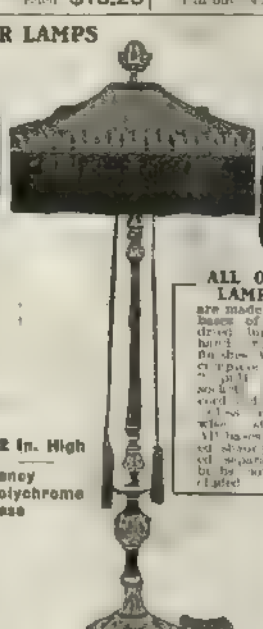


60 In. High — Polychrome Stippled Gold Base

Polychrome stippled gold base, 62 in. high, imitation hammer brass finish, 2 pull adjustable cluster, 8 ft. silk cord, oval shade, silk snuggette shirred top, shirred lining, gold braid, 6 in. double artificial silk fringe.

2C9045—Base only. Each **$6.00**
2C9046—Blue shade } Each
2C9047—Rose shade } **$7.50**
2C9048—Mulberry shade }

(Complete lamp $13.50)



62 In. High — Fancy Polychrome Base

62 in. high, polychrome base, hand carved, oval shade, top panels of silk georgette and metal cloth over print, gold braid, silk picot bounce, 6 in. artificial silk fringe, orange lined.

2C9037—Base only. Each **$15.50**
2C9038—Black shade. } Each
2C9039—Taupe shade. } **$17.00**

(Complete lamp $[illegible])

ALL OUR LAMPS are made with bases of kiln dried lumber hand rubbed in shop. Wired complete with 5 ft. cloth covered cord, plug and socket. All lamps rated 60 watt or less unless otherwise stated. All lamps rated above packed separately in box or crate. Lights!

FLOOR LAMPS

65 In. High — Genuine Mahogany

Genuine French mahogany base, 65 in. high, 3 pull chain sockets, black and gold pull cords, 8 ft. silk cord, fancy round shade silk top with gold silk shirred shirred lining, artistic braid, 5 in. heavy silk fringe.

Each **$ 6.50**
2C9020—Blue shade } Each
2C9021—Rose shade } **$12.50**

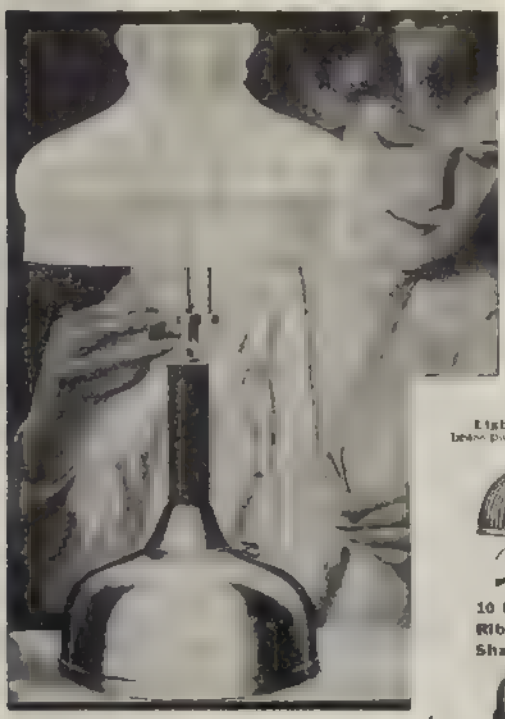
(Complete lamp $19.00)

62 In. High — Fancy Polychrome

62 in. high, polychrome base, hand carved, oval shade, silk spange tassel and brocade top panels, shirred interlining, shirred picot bounce, 6 in. bullion over 8 in. artificial silk fringe.

Each **$15.75**
2C9034—Blue shade } Each
2C9035—Putty shade } **13.50**

Complete lamp $29.25



Coleman Quick-Lite

Nationally Advertised

GASOLINE LAMPS AND LANTERNS

Thousands of homes have been modernized by the fine lighting qualities of Coleman "Quick-Lite" gasoline lamps and lanterns. There is no lighting purpose that one of these lamps will not serve.

"QUICK-LITE"

The best selling gasoline lamp in America

2C2896—(Mfrs CQ329) 20 in. high, 10 in. embossed design white opal glass shade. In carton 10 lbs. Each **$6.25**

2C329 Shade only for 2C2896. ½ doz. in pkg. Each **$1.00** Doz **$9.00**

"QUICK-LITE" GASOLINE LAMPS

Lights with common match. Has 4 candle power light. Burns 6 hours on gallon gasoline. All brass parts heavily nickel plated. Each lamp complete with 1 mantle, 1 pair mantle rods, 1 pump, 1 extra generator.

2C2843—Complete with 10 in. ribbed opal glass shade. In carton 10 lbs. Each **$6.25**

2C2844—Complete with 12 in. ribbed opal glass shade. In carton 10 lbs. Each **$6.50**

2C2845—Complete with 12 in. bugproof shade. In carton 10 lbs. Each **$10.50**

2C2846—Shade only for 2C2845. ½ doz. in pkg. Doz **$5.96**

2C2846—Mfrs CQ331 12 in. high 10 in. shade bugproof ventilated transparent fine mesh. In carton 10 lbs. Each **$6.50**

2C2703 Globe only for 2C2846. ½ doz. in pkg. Each **$1.35** Doz **$15.00**

2C2832—Mfrs CQ316 20 in. high 10 in. embossed design frosted opal glass. In carton 10 lbs. Each **$7.00**

2C2863—Mfrs CQ331 12 in. high 10 in. ribbed opal glass shade with wire screen and wire bug screen. In carton 10 lbs. Each **$7.00**

2C2988—Shade only for 2C2863. ½ doz. in pkg. Doz **$9.85**

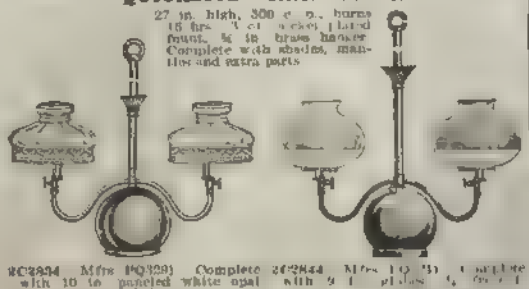
"QUICK-LITE" SUPPLIES

2C3845	Mfrs Q80 Generator. 1 in box	Doz	$ 3.00
2C3844	Mfrs Q70 Burner, generator and valve. 1 in pkg	Each	$2.00
2C18	Mfrs Q 8 Gasket cup. 1 in pkg	"	.05
2C23	Mfrs Q 1 Burner cap. 1 in pkg	"	.15
2C46	Mfrs J5Qb Valve stem and nut. 3 in pkg	"	.20
2C47	Mfrs Q 5 Valve complete. 1 in pkg	"	.60
2C58	Gasket. 1 in pkg	"	.50
2C59	Tip cleaning needle. 1 in pkg	"	.05

2C60—100 pc. supply asst. in case, 8 lbs. Case **$15.00**

"QUICKLITE" CHANDELIERS

27 in. high, 300 c.p., 3 burns 15 lbs. Vernickel plated front, ¾ in. brass hanger. Complete with shades, mantles and extra parts.



2C2834 Mfrs HQ329 Complete with 10 in. paneled white opal glass shades. 1 in crate 30 lbs. Each **$12.00**

2C2854 Mfrs HQ 9 Complete with 9 in. plain white opal glass shades. 1 in crate 30 lbs. Each **$12.50**

2C629 Shade only for 2C2834. 1 in pkg. Each **$1.00** Doz **$9.00**

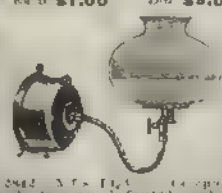
2C3762 Globe only for 2C2854. 1 in pkg. Each **$1.35** Doz **$15.00**

"QUICK-LITE" BRACKET LAMPS

1 pint nickel plated brass fount gives 8 hours. Complete with bracket, pump, chain, globe and Mfrs generator.

2C2855 Mfrs HQ 9b Complete with 10 in. white opal glass shade. 1 in crate 30 lbs. Each **$6.75**

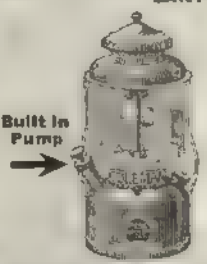
2C629 Shade only for 2C2855. 1 in pkg. Each **$1.00** Doz **$9.00**



2C3842 Mfrs HQ 9 Complete with 9 in. frosted plain glass. 1 in crate 30 lbs. Each **$7.00**

2C3763 Globe only for 2C3842. 1 in pkg. Each **$1.35** Doz **$15.00**

NEW "QUICK-LITE" LANTERN



2C2841 Mfrs [illegible] high, with white opal globe. Built in pump. Burns [illegible] gallons gasoline on one filling. Each **$6.00**

AIR-O-LITE ARC LAMP

2C2858 Mfrs HQ329 20 in. high, 1 gal. fount. Burns 25 hours. Complete with mantle, globe, burner, wrench, extra parts. Nickel plated. Each complete with pump, wrench, extra parts, filler, extra screen and globe. In carton 20 lbs. Each **$11.00**

A WONDER

This lantern holds the very highest place in the estimation of tourists, farmers and workers. Once used nothing else will ever satisfy.

"QUICK-LITE" LANTERN

2C2830 — Mfrs [illegible] high, with [illegible] globe, 2 mantles, burns 15 hours on one filling, [illegible] chain pump. Complete [illegible] wrench, [illegible] extra globe. In carton, 6 lbs.

$5.25 EACH

"COLEMAN" MANTLE

Unsurpassed service has made this the most called for mantle ever offered on the market

2C3725—Mfrs NH Coleman. Junior. [illegible] Egyptian long [illegible] single asbestos string. 2 in. high. Each **$0.75**

[illegible] Each 8.00

[illegible] Each 7.50

[illegible] Each 7.00

BUG SCREEN

[illegible] Each 75c

MICA CHIMNEY

2C3345 Mfrs 527 for 2C2830 lantern. ½ doz. in pkg. Doz **$6.00**

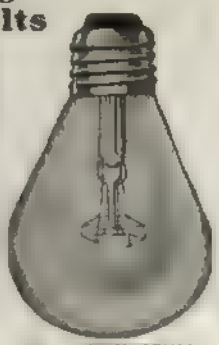
ELECTRIC LAMPS

How much of last year's tremendous lamp business went to you? Now that lamps are down to a real popular price basis you will sell more than ever—just think 50% lower prices than two years ago.

Famous Nationally Advertised Brands

2C4801—10 to 2C4806—60
Vacuum Type

115 Volts



2C4814—25 to 2C4819—60
Vacuum Type

LICENSED

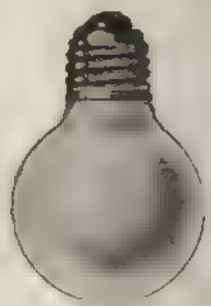
Both "Save" and "M & W" lamps are licensed under patent of General Electric Company

GUARANTEED

All bulbs are guaranteed against any defects in manufacture.

We recommend 115 volt lamps for 110 volt circuit.

Estimated life of following bulbs is 900 to 1 000 hours.



2C4812-2C4814
Vacuum Type

115 Volts

2C4815-2C4839
Nitrogen Type

"SAVE" BRAND

Clear Glass Only

Watts	Candle Power	6 or more Each	50 or more Each
2C4801—10	8	20c	19c
2C4802—15	13	20c	19c
2C4803—25	23	20c	19c
2C4804—40	38	20c	19½c
2C4805—50	48	20c	19½c
2C4806—60	60	24c	22½c

Designed to eliminate breakage troubles in mills, garages, etc.

Clear Glass

Watts	Candle Power	6 or more Each	50 or more Each
2C4814—25	23	24c	22½c
2C4815—50	48	24c	22½c

Frosted Glass

Watts	Candle Power	6 or more Each	50 or more Each
2C4816—25	23	27c	25c
2C4817—50	48	27c	25c

Starter Assortment

2C4830—Popular every day sizes. 110 lamps assd as follows

Vacuum Quan	Vacuum Watts	Nitrogen Quan	Nitrogen Watts
30	25	15	50
25	40	12	75
20	50	6	100
20	60		

Retail value $36.00

ASST (110 Bulbs) $25.00

Frosted Glass Only

Watts	Style	6 or more Each	50 or more Each
2C4812—25	G18½	28c	27c
2C4813—40	G25	36c	34c

OUR TERMS: 2% 10 Days 1% 30 DAYS Net 60 Days

Clear Glass

Watts	C.P.	6 or more Each	50 or more Each
2C4818—40	44	28c	27c
2C4819—50	60	28c	27c
2C4820—60	70	33c	30c
2C4821—75	88	33c	30c

Watts	C.P.	5 or more 24 or more Each	Each
2C4822—100	[illegible]	37c	34c
2C4823—150	185	48c	42c
2C4824—200	280	59c	56c

Frosted Glass

Watts	6 or more Each	50 or more Each
2C4825—50	28c	27c
2C4826—75	36c	33c

"M & W" BRAND

Clear Glass Only

Watts	Candle Power	6 or more Each	48 or more Each
2C4401—10	8	22c	21c
2C4402—15	17	22c	21c
2C4403—25	23	22c	21c
2C4404—40	38	22c	21c
2C4405—50	48	22c	21c
2C4406—60	60	25½c	24½c

Designed to eliminate breakage troubles in mills, garages, etc.

Clear Glass

Watts	Candle Power	6 or more Each	48 or more Each
2C4415—25	23	25c	24c
2C4416—50	48	25c	24c

Frosted Glass

Watts	Candle Power	6 or more Each	48 or more Each
2C4417—25	23	28c	26c
2C4418—50	48	28c	26c

"M & W" ASST. Vacuum Type

2C44500—115 volt, unskirted bulbs. Estimated life 1 000 hours. Asst. sizes 25 watts, 40 watts and 60 watts nom. Assortation 50 lts. (100 bulbs) Each **20c**

Frosted Glass

Watts	Style	C.P.	6 or more Each	48 or more Each
2C4413—25	G18½	23	32c	30c
2C4414—40	G25	38	36c	37c

Compare these prices with prices you pay elsewhere

Clear Glass

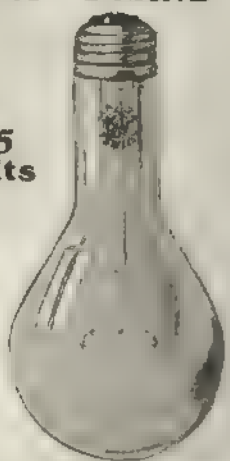
Watts	C.P.	6 or more 50 or more Each	Each
2C4419—46	44	32c	30c
2C4420—50	60	35c	30c
2C4421—60	80	35c	32c
2C4422—75	88	36c	32c

Watts	C.P.	24 or more Each	Each
2C4423—100	125	39c	36c
2C4424—150	185	47c	44c
2C4425—200	280	62c	57c

Frosted Glass

Watts	C.P.	6 or more 50 or more Each	Each
2C4429—50	60	32c	30c

FAMOUS "MAZDA" BRAND



115 Volts

Clear Glass Only

Vacuum Type

Estimated life 800 to 1 000 hrs. unskirted base.

Watts	Candle Power	6 or more Each	50 or more Each
2C4220—10	8		
2C4300—15	13		
2C4302—25	23		
2C4303—40	37		
2C4210—50	48		Out
2C4312—60	60		

Nitrogen Type

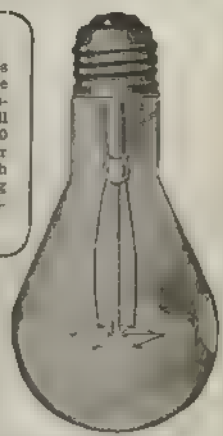
Estimated life 1,000 hrs. We recommend 115 volt lamps of this type for 110 volt circuit, unskirted base.

Watts	Candle Power	6 or more Each	24 or more Each
2C4295—75	88		Out

Watts	Candle Power	5 or more Each	50 or more Each
2C4296—100	135		Out

Watts	Candle Power	5 or more Each	50 or more Each
2C4319—200	280		Out

28 TO 32 VOLTS ONLY



28-32 Volts Only

The following bulbs are for low voltage home generating systems only. They will not fit the regular 110 volt circuit. Order only for use with home outfits having 16 cell storage battery.

Clear Glass Only

"Save" Brand Vacuum Type

Watts	C.P.	5 or more Each	50 or more Each
2C4807—10	8	21c	19c
2C4808—15	13	21c	19c
2C4809—25	23	21c	19c
2C4810—40	38	21c	19c
2C4811—50	48	21c	19c

"M. & W." Brand Vacuum Type

Watts	C.P.	5 or more 48 or more Each	Each
2C4403—10	8	21c	21c
2C4405—25	23	21c	21c
2C4406—40	38	21c	21c
2C4407—50	48	21c	21c

"Save" Brand Nitrogen Type

Watts	Candle Power	5 or more Each	50 or more Each
2C4827—50	60	30c	28c
2C4828—75	88	35c	33c
2C4829—100	125	42c	39c

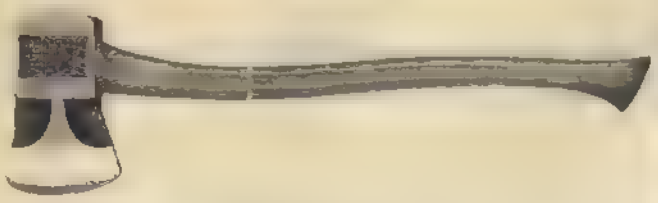
"M & W" Brand—Nitrogen Type

Watts	Candle Power	6 or more Each	50 or more Each
2C4426—50	60	33c	31c
2C4427—75	88	37c	36c

Watts	Candle Power	24 or more Each	Each
2C4428—100	125	44c	41c

SINGLE BIT HANDLED AXES

COLLINS



Michigan Pattern

Bodies made of special soft steel with inserted hand forged crucible steel bits; tempered by Collins special system of tempering and heat-treating; critically inspected at every stage of manufacture; full polished and labeled, deep blue bevels; warranted.

Handled with extra octagon, second growth white hickory handles, straight grained, hand shaved, length 36 inches.

			Per Dozen
3	to 4	pounds assorted	$44 00
3½	to 4½	pounds assorted	45 00
4	to 5	pounds assorted	46 00

Half dozen in a crate, handles wrapped

Dayton Pattern

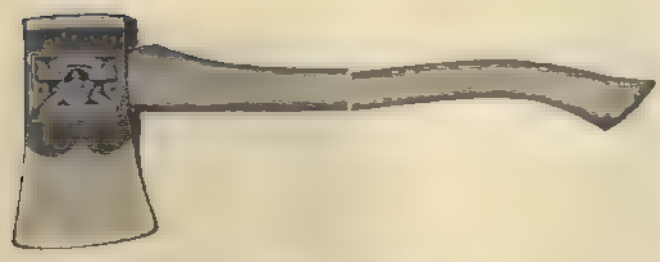
Bodies made of special soft steel with inserted hand forged crucible steel bits; tempered by Collins special system of tempering and heat-treating; critically inspected at every stage of manufacture; full polished and labeled, deep blue bevels; warranted

Handled with extra octagon, second growth white hickory handles, straight grained, hand shaved, length 36 inches

			Per Dozen
3	to 4	pounds assorted	$44 00
3½	to 4½	pounds assorted	45.00
4	to 5	pounds assorted	46.00

Half dozen in a crate, handles wrapped.

CROWN BRAND



Dayton Pattern

Superior quality forged steel, carefully tempered, gold bronze finish, labeled; polished head and bit

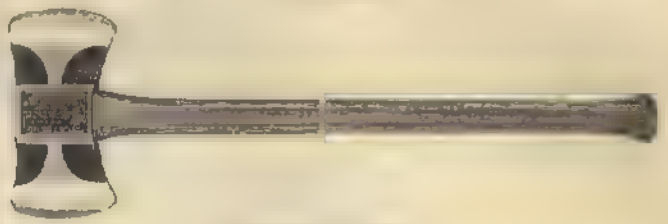
Handled with No. 1 grade oval turned hickory handles, length 36 inches.

			Per Dozen
3	to 4	pounds assorted	$32 00
3½	to 4½	pounds assorted	33 00
4	to 5	pounds assorted	34 00

Half dozen in a crate, handles wrapped.

DOUBLE BIT HANDLED AXES

COLLINS



Michigan Pattern

Bodies made of special soft steel with inserted hand forged crucible steel bits; tempered by Collins special system of tempering and heat-treating; critically inspected at every stage of manufacture; full polished and labeled, deep blue bevels; warranted

Handled with extra octagon, second growth white hickory handles, straight grained, hand shaved, length 36 inches.

			Per Dozen
3	to 4	pounds assorted	$54.00
3½	to 4½	pounds assorted	55 00
4	to 5	pounds assorted	56 00

Half dozen in a crate, handles wrapped

Western Pattern

Bodies made of special soft steel with inserted hand forged crucible steel bits; tempered by Collins special system of tempering and heat-treating; critically inspected at every stage of manufacture; full polished and labeled, deep blue bevels; warranted.

Handled with extra octagon, second growth white hickory handles, straight grained, hand shaved, length 36 inches.

			Per Dozen
3	to 4	pounds assorted	$54 00
3½	to 4½	pounds assorted	55 00
4	to 5	pounds assorted	56 00

Half dozen in a crate, handles wrapped.

CROWN BRAND

Western Pattern

Superior quality forged steel, carefully tempered, gold bronze finish, labeled; polished bits.

Handled with No. 1 grade oval turned hickory handles, length 36 inches.

			Per Dozen
3	to 4	pounds assorted	$40.00
3½	to 4½	pounds assorted	41.00
4	to 5	pounds assorted	42.00

Half dozen in a crate, handles wrapped.

SINGLE BIT UNHANDLED AXES

LIPPINCOTT & CO.

Dayton Pattern

Soft steel body; crucible steel bit hand tempered; gold bronze finish; bit and poll polished.

	Per Dozen
3 to 4 pounds assorted	$30.00
3½ to 4½ pounds assorted	31.00
4 to 5 pounds assorted	32.00

One dozen in a box.

LIPPINCOTT & CO.

Michigan Pattern

Soft steel body; crucible steel bit hand tempered; gold bronze finish; bit and poll polished.

	Per Dozen
3 to 4 pounds assorted	$30.00
3½ to 4½ pounds assorted	31.00
4 to 5 pounds assorted	32.00

One dozen in a box.

KELLY VULCAN

Michigan Pattern

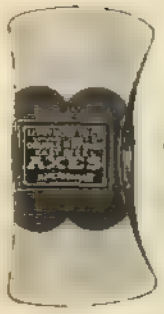
Soft steel body; crucible steel bit hand tempered; special chemical black finish, cutting edge honed.

	Per Dozen
3 to 4 pounds assorted	$30.00
3½ to 4½ pounds assorted	31.00
4 to 5 pounds assorted	32.00

One dozen in a box

DOUBLE BIT UNHANDLED AXES

LIPPINCOTT & CO.



Western Pattern

Soft steel body; crucible steel bits hand tempered gold bronze finish; with polished bits

	Per Dozen
3 to 4 pounds assorted	$40.00
3½ to 4½ pounds assorted	41.00
4 to 5 pounds assorted	42.00

One dozen in a box

LIPPINCOTT & CO.

Michigan Pattern

Soft steel body; crucible steel bits hand tempered gold bronze finish; with polished bits

	Per Dozen
3 to 4 pounds assorted	$40.00
3½ to 4½ pounds assorted	41.00
4 to 5 pounds assorted	42.00

One dozen in a box

KELLY VULCAN

Michigan Pattern

Soft steel body crucible steel bits hand tempered, special chemical black finish cutting edges honed

	Per Dozen
3 to 4 pounds assorted	$40.00
3½ to 4½ pounds assorted	41.00
4 to 5 pounds assorted	42.00

One dozen in a box.

Note—Can furnish any of the above axes handled with any grade oval or hand shaved hickory handle

SINGLE BIT HANDLED AXES

KELLY PERFECT

Michigan Pattern.

Soft steel body, crucible steel bit, hand tempered, full polished and labeled, blue Kelly bevels; oval turned hickory handle.

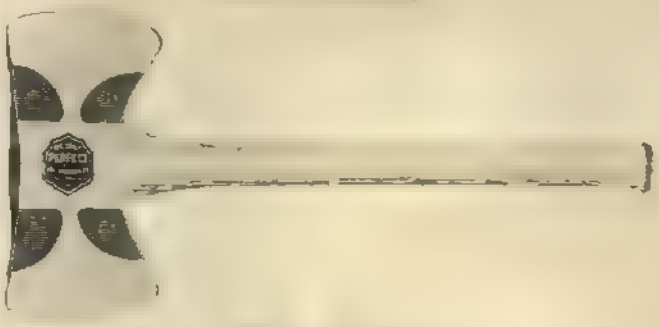
3 to 4 pounds assorted	Per Dozen $40.00
3½ to 4½ pounds assorted	Per Dozen 41.00
4 to 5 pounds assorted	Per Dozen 42.00

Half dozen in a crate, handles wrapped.

Note—Also furnished without handles.

DOUBLE BIT HANDLED AXES

KELLY PERFECT



Michigan Pattern.

Soft steel body, crucible steel bits, hand tempered, full polished and labeled, blue Kelly bevels; oval turned hickory handle.

3 to 4 pounds assorted	Per Dozen $51.00
3½ to 4½ pounds assorted	Per Dozen 52 00
4 to 5 pounds assorted	Per Dozen 53 00

Half dozen in a crate, handles wrapped.

Note—Also furnished without handles.

AUTOMATIC PISTOLS

COLT'S

Pocket Model, 25 Caliber, Hammerless. Seven Shot.

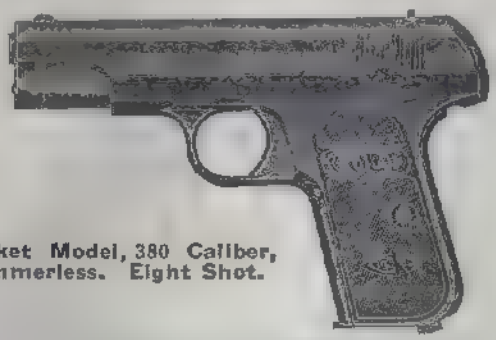
Capacity of magazine 6 shots; shoots 25 rimless smokeless cartridges with metal cased bullet. Length of barrel 2 inches length over all 4½ inches.

	Each
No. CA252—Nickel plated, rubber stock	$45 00
No. CA252P—Nickel plated, pearl stock	51 75
No. CA0252—Blued, rubber stock	45 00
No. CA0252P—Blued, pearl stock	51 75

One in cardboard box; wt each 13 ozs.

Extra Magazines.

	Each
No. CA252M—Nickel plated, for No. 252 Colt's Automatic pistols	$1 71
No. CA0252M—Blued, for No. 0252 Colt's Automatic pistols	1 71

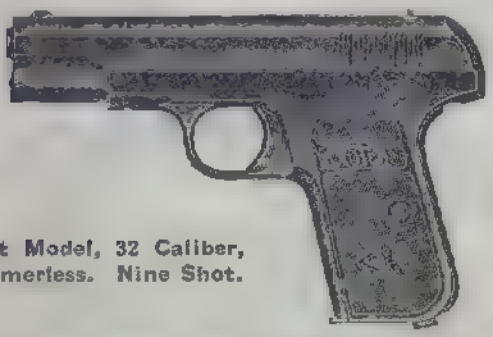


Pocket Model, 380 Caliber, Hammerless. Eight Shot.

	Each
No. CA03803¾—Blued, 3¾ in. barrel; length over all 6¾ ins; capacity of magazine 7 shots; shoots 380 rimless smokeless cartridges; metal cased; checkered rubber stock; wt each about 23 ozs	$54 00

One in box.

	Each
No. CA03803¾M—Extra Magazines for 380 Colt's Automatic pistols	$1 95



Pocket Model, 32 Caliber, Hammerless. Nine Shot.

Blued, 4 inch barrel; length over all 7 inches; capacity of magazine 8 shots; shoots 32 rimless smokeless cartridges; metal cased.

	Each
No. CA0324—Blued, checkered, rubber stock	$54 00
No. CA0324P—Blued, pearl stock	70 65

One in box; wt each 23 ozs.

	Each
No. CA0324M—Extra Magazines for No. CA0324 Colt's Automatic pistols	$1 95

AUTOMATIC PISTOLS

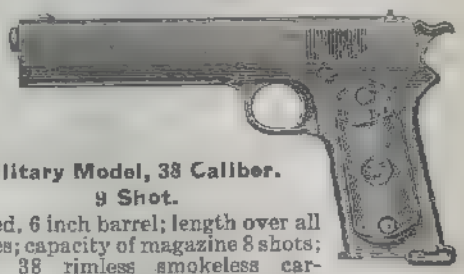
COLT'S

Pocket Model, 38 Caliber. 8 Shot.

	Each
No. CA0384½—Blued, 4½ in. barrel; length over all 7½ ins, capacity of magazine 7 shots; shoots 38 rimless smokeless cartridges, metal cased; checkered rubber stock, wt each 32 ozs	$111 30

One in cardboard box.

	Each
No. CA0384½M—Extra Magazines for No. CA0384½ Colt's Automatic pistols	$3 30



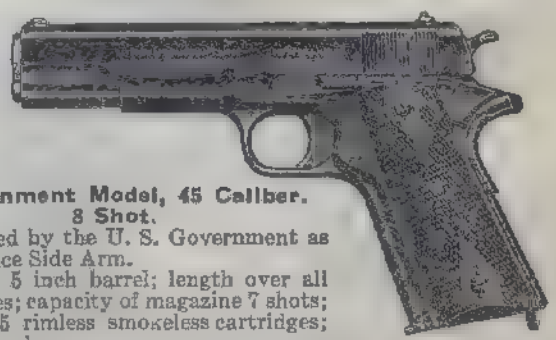
Military Model, 38 Caliber. 9 Shot.

Blued, 6 inch barrel; length over all 9 inches; capacity of magazine 8 shots; shoots 38 rimless smokeless cartridges; metal cased, checkered rubber stock.

	Each
No. CAM0386—Wt each about 37 ozs	$114 75

One in cardboard box.

	Each
No. CAM0386M—Extra Magazines for No. CAM0386 Colt's Automatic pistols	$3 30



Government Model, 45 Caliber. 8 Shot.

Adopted by the U. S. Government as the Service Side Arm.

Blued, 5 inch barrel; length over all 8½ inches; capacity of magazine 7 shots; shoots 45 rimless smokeless cartridges; metal cased.

	Each
No. CA0456 Checkered walnut stock	$ 96 90
No. CA0456P Pearl stock	✦123 60

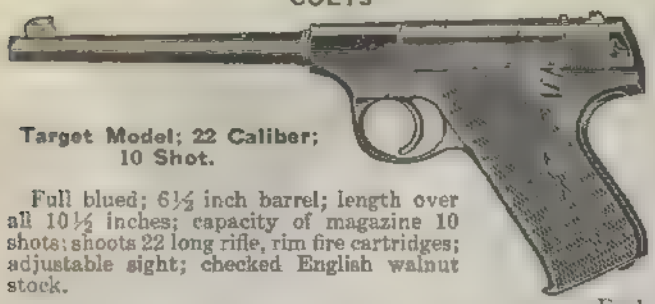
One in cardboard box, wt each 39 ozs.

	Each
No. CA0456M—Extra Magazines for No. CA0456 Colt's Automatic pistols	$3 30

✦F. O. B. Connecticut Factory Only.

AUTOMATIC PISTOLS

COLTS'

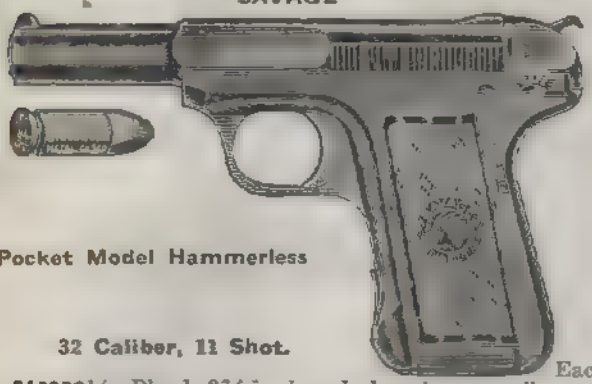


Target Model; 22 Caliber; 10 Shot.

Full blued; 6½ inch barrel; length over all 10½ inches; capacity of magazine 10 shots; shoots 22 long rifle, rim fire cartridges; adjustable sight; checked English walnut stock.

	Each
No. CA0226½T—Wt each about 28 ozs.	$86 25
No. CA0226½TM —Extra Magazines for No. CA0226½T Colt's Automatic pistols	5 25

SAVAGE



Pocket Model Hammerless

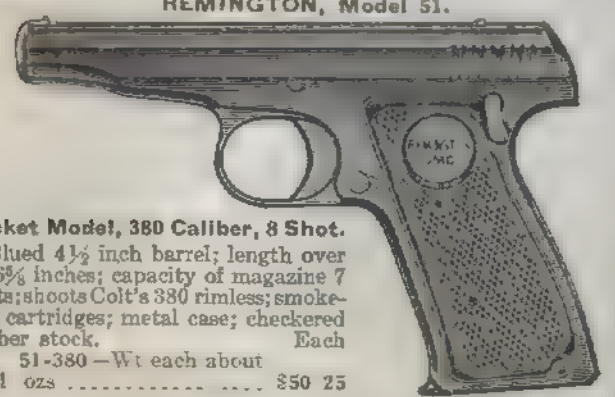
32 Caliber, 11 Shot.

	Each
No. SA0326½—Blued, 3¾ in. barrel; length over all 6½ ins; capacity of magazine 10 shots; shoots 32 automatic Savage, 32 automatic Colt and 7.65 M. M. Browning cartridges, either metal cased or soft point bullet; checkered rubber stock; wt each 19 ozs.	$50 25
No. SA0326½M—Extra Magazines for No. SA0326½ Savage Automatic pistols	2 85

380 Caliber, 10 Shot.

	Each
No. SA0380¾—Blued, 4¼ in. barrel; length over all 7 ins; capacity of magazine, 9 shots, shoots 380 Colt automatic cartridges; checkered rubber stock; wt each 22 ozs.	$50 25
No. SA0380M —Extra Magazines for No. SA0380¾ Savage Automatic pistols	2 85

REMINGTON, Model 51.



Pocket Model, 380 Caliber, 8 Shot.

Blued 4½ inch barrel; length over all 6⅝ inches; capacity of magazine 7 shots; shoots Colt's 380 rimless; smokeless cartridges; metal case; checkered rubber stock.

	Each
No. 51-380—Wt each about 21 ozs.	$50 25
No. 51-32 -32 Caliber, same as No. 51-380	$50 25
No. 51-380M—Extra Magazines for No. R51-380 Remington pistols	2 70
No. 51-32M—Extra Magazine for No. 51-32 Remington pistols	2 70

All above pistols packed one in cardboard box.

REVOLVERS

SMITH & WESSON

HAND EJECTOR, MODEL 1903

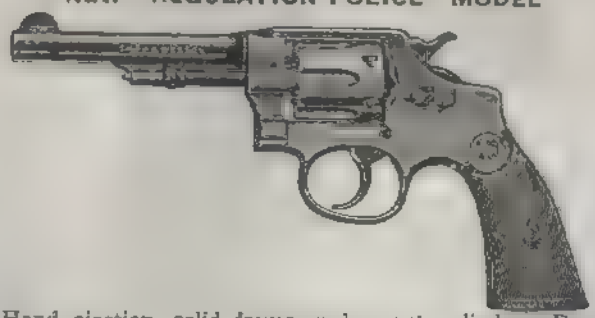
32 Caliber, Center Fire, Double Action, 6 Shot.

Hand ejection, solid frame, rebounding lock, swing out cylinder.

Chambered for 32 S. & W. Long Cartridges.

Barrel ins	Stock	Wt ozs	Nickel Plated Nos.	Nickel Plated Each	Blued Nos.	Blued Each
3¼	Wood	18	523¼	$76 50	0523¼	$76 50
4¼	"	18½	524¼	76 50	0524¼	76 50
6	"	20	526	76 50	0526	76 50
3¼	Pearl	18	523¼P	82 80	0523¼P	82 80
4¼	"	18½	524¼P	82 80	0524¼P	82 80
6	"	20	526P	82 80	0526P	82 80

NEW "REGULATION POLICE" MODEL



Hand ejection, solid frame, swing out cylinder. Double action. New patent safety hammer block.

32 Caliber, Center Fire, 6 Shot.

Chambered for 32 S. & W. long, 32 S. & W. and 32 Colt's New Police cartridges.

Barrel ins	Stock	Wt ozs	Nickel Plated Nos.	Nickel Plated Each	Blued Nos.	Blued Each
3¼	Wood	14	923¼	$80 55	0923¼	$80 55
4¼	"	15	924¼	80 55	0924¼	80 55
6	"	16	926	80 55	0926	80 55
3¼	Pearl	14	923¼P	✚115 95	0923¼P	✚115 95
4¼	"	15	924¼P	✚115 95	0924¼P	✚115 95
6	"	16	926P	✚115 95	0926P	✚115 95

WITH TARGET SIGHT

32 Caliber, Center Fire, 6 Shot.

Chambered for 32 S. & W. Long, 32 S. & W. and 32 Colt's New Police Cartridges.

Barrel ins	Stock	Wt ozs	Blued Nos.	Blued Each
6	Wood	16	0926T$	$ 90 45
6	Pearl	16	0926T$P	✚126 30

38 CALIBER, Center Fire, 5 Shot.

Chambered for 38 S. & W., 38 S. & W. Gallery, 38 Short Colt's cartridges.

Barrel ins	Stock	Wt ozs	Nickel Plated Nos.	Nickel Plated Each	Blued Nos.	Blued Each
4	Wood	17¾	984	$ 80 55	0984	$ 80 55
4	Pearl	17¾	984P	✚115 95	0984P	✚115 95

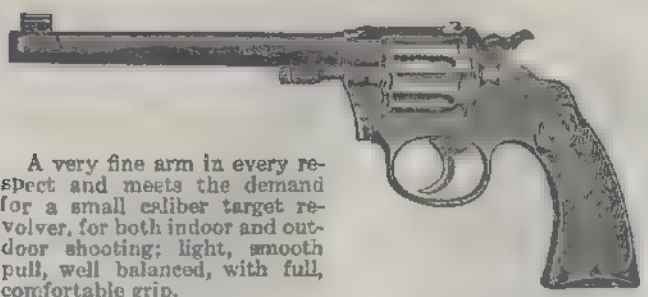
All above revolvers one in cardboard box.

✚F. O. B. Massachusetts Factory Only.

REVOLVERS

COLT'S

POLICE POSITIVE TARGET



A very fine arm in every respect and meets the demand for a small caliber target revolver, for both indoor and outdoor shooting; light, smooth pull, well balanced, with full, comfortable grip.

22 Caliber, Double Action, Rim Fire, 6 Shot.

Simultaneous shell ejection, jointless solid frame, equipped with the Colt positive lock that absolutely prevents accidental discharge; fitted with sights: front sight adjustable for elevation; rear sight with binding screw, adjustable for windage.

Length of barrel 6 inches, length over all 10½ inches, full blued finish, weight each 22 ounces.

Chambered for 22 Caliber W. R. F. Cartridges only.

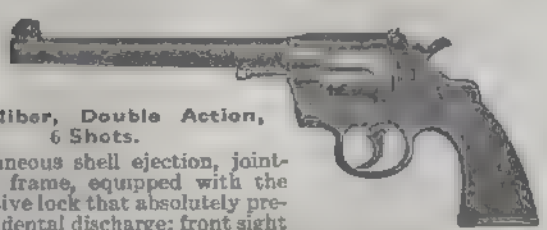
	Each
No. PP0226TW—Rubber stock	$79 20
No. PP0226TPW—Pearl stock	89 70

Chambered for 22 short, 22 long and 22 long rifle Rim Fire Cartridges.

	Each
No. PP0226T S&L—Rubber stock	$79 20
No. PP022GTPS&L—Pearl stock	89 70

One in cardboard box.

OFFICERS' MODEL TARGET



38 Caliber, Double Action, 6 Shots.

Simultaneous shell ejection, jointless solid frame, equipped with the Colt positive lock that absolutely prevents accidental discharge; front sight adjustable for elevation; rear sight with adjusting screw, adjustable for windage. Action is hand finished and without equal for smoothness and excellence of pull.

Length of barrel 6 inches, length over all 11¼ inches, full blued finish, weight each 32 ounces.

Chambered for 38 Long Colt, 38 Colt Special and 38 S&W Special.

Any of the above cartridges, either full or mid-range loads; may be used in the same revolver.

	Each
No. OM02386—6 in. barrel, walnut stock	$107 70
No. OM02386P—6 in. barrel, pearl stock	122 40

Nos.	Barrel, ins	Stock	Wt, ozs	Each
OM02387½	7½	Walnut	35	✦$107 70
OM02387½P	7½	Pearl	35	✦ 122 40

One in cardboard box.

✦F. O. B. Connecticut Factory Only.

REVOLVERS

COLT'S

ARMY SPECIAL

Double Action, Center Fire, 6 Shot.

Simultaneous ejection; jointless solid frame; equipped with the Colt positive lock which removes every liability of accidental discharge.

This Colt Army Special takes the place of the old "New Army" and "New Navy", possessing all of their good features and many improvements. Medium in size and weight, ample, yet strong, absolutely reliable and perfectly safe.

32 CALIBER

Chambered for 32-20 Winchester Rifle Cartridges.

Nickel Plated.

Nos.	Barrel, ins	Stock	Wt, ozs	Each
AS324	4	Rubber	32	✦$79 20
AS325	5	"	34	✦ 79 20
AS326	6	"	34	✦ 79 20

Blued.

Nos.	Barrel, ins	Stock	Wt, ozs	Each
AS0324	4	Rubber	32	$79 20
AS0325	5	"	34	79 20
AS0326	6	"	34	79 20

38 CALIBER

Using in the same arm 38 long Colt, 38 short Colt, 38 Colt special, also 38 S&W special, full and mid range loads, and U. S. service cartridges.

Nickel Plated.

Nos.	Barrel, ins	Stock	Wt, ozs	Each
AS384	4	Rubber	32	✦$79 20
AS385	5	"	34	✦ 79 20
AS386	6	"	34	✦ 79 20
AS384P	4	Pearl	32	✦ 93 30
AS385P	5	"	34	✦ 93 30
AS386P	6	"	34	✦ 93 30

Blued.

Nos.	Barrel ins	Stock	Wt, ozs	Each
AS0384	4	Rubber	32	$79 20
AS0385	5	"	34	79 20
AS0386	6	"	34	79 20
AS0384P	4	Pearl	32	93 30
AS0385P	5	"	34	93 30
AS0386P	6	"	34	93 30

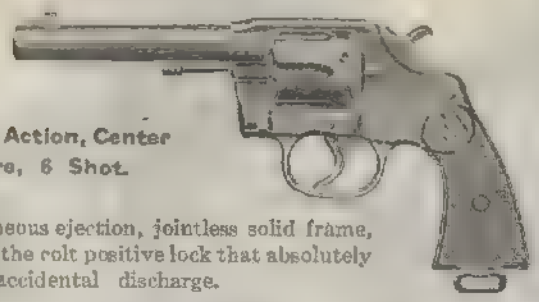
One in cardboard box.

✦F. O. B. Connecticut Factory Only.

Rain coats and water proof clothing. A corking good line to carry. *See pages 2184 to 2186.*

REVOLVERS

COLT'S NEW SERVICE



Double Action, Center Fire, 6 Shot.

Simultaneous ejection, jointless solid frame, fitted with the colt positive lock that absolutely prevents accidental discharge.

38 Caliber.

Chambered for 38-40 Winchester Rifle cartridges.

Nickel Plated.

Nos.	Barrel, ins	Stock	Wt ozs	Each
5384	4½	Rubber	40	✚ $89 70
5385	5½	"	41	✚ 89 70
5387	7½	"	42	✚ 89 70
5384 P	4½	Pearl	40	✚ 120 00
5385 P	5½	"	41	✚ 120 00
5387 P	7½	"	42	✚ 120 00

Blued.

Nos.	Barrel, ins	Stock	Wt ozs	Each
05384	4½	Rubber	40	$89 70
05385	5½	"	41	89 70
05387	7½	"	42	✚ 89 70
05384 P	4½	Pearl	40	✚ 120 00
05385 P	5½	"	41	✚ 120 00
05387 P	7½	"	42	✚ 120 00

44 Caliber.

Chambered for 44-40 Winchester Rifle cartridges.

Nickel Plated.

Nos.	Barrel, ins	Stock	Wt ozs	Each
5444	4½	Rubber	40	✚ $89 70
5445	5½	"	41	✚ 89 70
5447	7½	"	42	✚ 89 70
5444 P	4½	Pearl	40	✚ 120 00
5445 P	5½	"	41	✚ 120 00
5447 P	7½	"	42	✚ 120 00

Blued.

Nos.	Barrel, ins	Stock	Wt ozs	Each
05444	4½	Rubber	40	$89 70
05445	5½	"	41	89 70
05447	7½	"	42	✚ 89 70
05444 P	4½	Pearl	40	✚ 120 00
05445 P	5½	"	41	✚ 120 00
05447 P	7½	"	42	✚ 120 00

45 Caliber.

Chambered for 45 Colt cartridges, full, medium or gallery loads.

Nickel Plated.

Nos.	Barrel, ins	Stock	Wt ozs	Each
5454	4½	Rubber	40	✚ $89 70
5455	5½	"	41	✚ 89 70
5457	7½	"	42	✚ 89 70
5454 P	4½	Pearl	40	✚ 120 00
5455 P	5½	"	41	✚ 120 00
5457 P	7½	"	42	✚ 120 00

Blued.

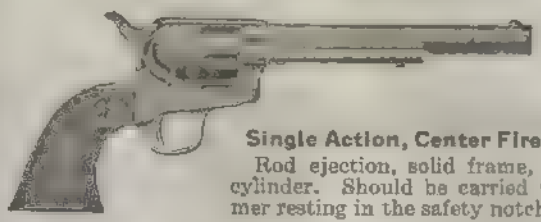
Nos.	Barrel, ins	Stock	Wt ozs	Each
05454	4½	Rubber	40	$89 70
05455	5½	"	41	89 70
05457	7½	"	42	✚ 89 70
05454 P	4½	Pearl	40	✚ 120 00
05455 P	5½	"	41	✚ 120 00
05457 P	7½	"	42	✚ 120 00

One in cardboard box.

✚F. O. B. Connecticut Factory Only.

REVOLVERS

COLT'S ARMY AND FRONTIER



Single Action, Center Fire, 6 Shot.

Rod ejection, solid frame, swing out cylinder. Should be carried with hammer resting in the safety notch.

32 Caliber, Blued. — Each

No. 06324—Chambered of 32-20 W. C. F. rifle cartridges; 4¾ in. barrel, rubber stock; wt each 2 lbs, 10 ozs $89 70

38 Caliber, Blued. — Each

No. 06384¾—Chambered for 38-40 W. C. F. cartridges, 4¾ in. barrel, rubber stock; wt each 2 lbs, 6 ozs $89 70

45 Caliber, Blued. — Each

No. 06454¾—Chambered for 45 Colt cartridges, full medium and gallery loads, 4¾ in. barrel, rubber stock; wt each 2 lbs, 3 ozs $89 70

With Rubber Stocks.

Cal.	Bbl ins	Nickel Plated Nos.	Nickel Plated Each	Blued Nos.	Blued Each
Win.					
32	4¾	6324¾	✚$89 70	.....	.....
32	5½	6325½	✚ 89 70	06325½	✚ 89 70
32	7½	6327½	✚ 89 70	06327½	✚ 89 70
38	4¾	6384¾	✚ 89 70	.....	.....
38	5½	6385½	✚ 89 70	06385½	✚ 89 70
38	7½	6387½	✚ 89 70	06387½	✚ 89 70
44	4¾	6444¾	✚ 89 70	06444¾	✚ 89 70
44	5½	6445½	✚ 89 70	06445½	✚ 89 70
44	7½	6447½	✚ 89 70	06447½	✚ 89 70
Colt.					
45	4¾	6454¾	✚ 89 70	.....	.....
45	5½	6455½	✚ 89 70	06455½	✚ 89 70
45	7½	6457½	✚ 89 70	06457½	✚ 89 70

One in cardboard box; average wt 42 ozs.

With Pearl Stock.

Cal.	Bbl ins	Nickel Plated Nos.	Nickel Plated Each	Blued Nos.	Blued Each
Win.					
32	4¾	6324¾ P	✚$117 45	06324¾P	✚$117 45
32	5½	6325½ P	✚ 117 45	06325½P	✚ 117 45
32	7½	6327½ P	✚ 117 45	06327½P	✚ 117 45
38	4¾	6384¾ P	✚ 117 45	06384¾P	✚ 117 45
38	5½	6385½ P	✚ 117 45	06385½P	✚ 117 45
38	7½	6387½ P	✚ 117 45	06387½P	✚ 117 45
44	4¾	6444¾ P	✚ 117 45	06444¾P	✚ 117 45
44	5½	6445½ P	✚ 117 45	06445½P	✚ 117 45
44	7½	6447½ P	✚ 117 45	06447½P	✚ 117 45
Colt.					
45	4¾	6454¾ P	✚ 117 45	06454¾P	✚ 117 45
45	5½	6455½ P	✚ 117 45	06455½P	✚ 117 45
45	7½	6457½ P	✚ 117 45	06457½P	✚ 117 45

One in cardboard box; average wt 42 ozs.

✚F. O. B. Connecticut Factory Only.

COLUMBIAN VISES

COLUMBIAN MACHINISTS' VISE

Series 500 Malleable Iron Machinists' Vise. Stationary jaw, stationary base. Has removable jaw faces made from high grade tool steel. Screw and handle are cold rolled steel. Ball ends are forged from the solid rod.

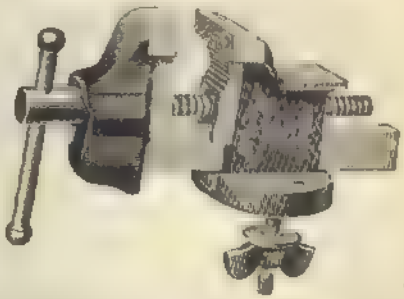
Vise No.	Width Jaw Inches	Jaws Open Inches	Depth Opening Jaw, In.	Weight, Pounds	Each
502	2	3	2	9	$8 25
502½	2½	3½	2⅝	13	9 00
503	3	4½	3⅛	21	10 00
503½	3½	5	3¼	27	11 25
504	4	6	3⅞	34	12 75
504½	4½	7	4½	44	15 50
505	5	8	4	53	20 00
505½	5½	9	4	74	30 00
506	6	10	4½	90	39 00
507	7	12	5⅛	95	55 00
508	8	13	5½	150	75 00

COLUMBIAN MACHINISTS' VISE

Series 600 Malleable Iron Machinists' Vise. Stationary jaw, swivel base. Swivel base arrangement allows the vise to be swung and quickly clamped in any desired position. All vises with larger than 4½-inch jaw furnished with two swivel clamping nuts.

Vise No.	Width Jaw Inches	Jaws Open Inches	Depth Opening Jaw, In.	Weight, Pounds	Each
602	2	3	2	10	$10 50
602½	2½	3½	2⅝	15	12 00
603	3	4½	3⅛	25	13 00
603½	3½	5	3¼	42	15 00
604	4	6	3	59	17 00
604½	4½	7	3½	82	20 00
605	5	8	4	61	30 00
605½	5½	9	4	81	38 00
606	6	11	4¼	99	52 00
607	7	12	5¼	102	70 00
608	8	13	5½	160	98 00

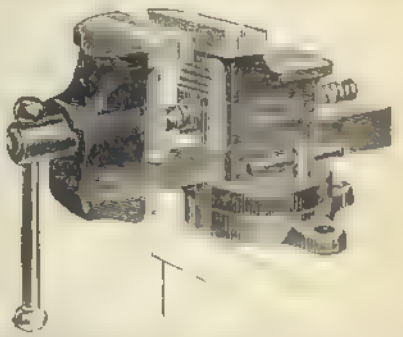
COLUMBIAN GARAGE VISE



Steel Bar Garage Vise. Base can be used either stationary or to swivel, and is equipped with a specially hardened table to form an anvil back of the jaws. Sliding bar is of solid cold rolled steel. Removable drop forged steel pipe jaws.

Vise No.	Width Jaw, Inches	Jaws Open, Inches	Weight, Pounds	Each
143	3	3½	15	$5 00
144	4	5	20	8 25

COLUMBIAN SWIVEL BASE VISE



No. 143½ Columbian Swivel Base Vise. The swivel base permits turning the vise in a complete circle. The clamping device is positive in action and holds the vise rigidly in any desired position. Has removable drop forged steel pipe jaws, removable hardened tool steel jaw faces, cold rolled steel screw and handle, bar and sliding beam. Width of jaws, 3½ inches; jaws open, 4 inches; weight, 15½ pounds. Pipe jaws hold up to 1½-inch pipe. Packed in individual cartons; six cartons to case.

No. 143½ Columbian Swivel Base Vise.....each $5 50

Radio Sets and Supplies

IF YOU are in the market for Radio Sets or Radio Supplies of any kind; let us send our Special Radio Catalog to you.

COLUMBIAN HATCHETS

Soft steel body, crucible steel bit, hand tempered, octagon head, round neck, silver bronzed finish with crimson bevel; second growth hickory handles.

SHINGLING

No.	161	162
Size, No.	1	2
Cut, in.	3½	4
Handle, in.	13	14
Weight per dozen, lbs.	23	28
Columbian Shingling—Per dozen	$34.50	36 00

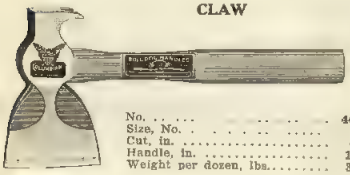
One half dozen in a carton.

HALF

No.	361	362
Size, No	1	2
Cut, in.	3 ¼	3 ⅝
Handle, in.	13	14
Weight per dozen, lbs.	24	29
Columbian Half—Per dozen	$36.00	37.50

One half dozen in a carton.

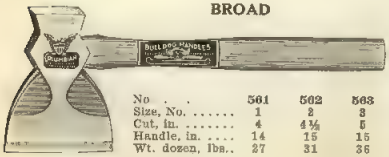
CLAW



No.	462
Size, No.	2
Cut, in.	4
Handle, in.	14
Weight per dozen, lbs.	30
Columbian Claw—Per dozen	$39.00

One half dozen in a carton.

BROAD



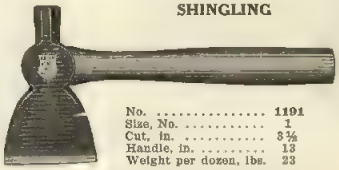
No	561	562	563
Size, No.	1	2	3
Cut, in.	4	4½	5
Handle, in.	14	15	15
Wt. dozen, lbs.	27	31	36
Columbian Broad—Per dozen	$37 50	45.00	60.00

One half dozen in a carton.

HAND MADE HATCHETS

Soft steel body, crucible steel bit, hand tempered, black forged finish, cutting edge polished, No. 2 hickory handles.

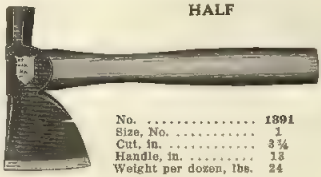
SHINGLING



No.	1191	1192
Size, No.	1	2
Cut, in.	3½	4
Handle, in.	13	14
Weight per dozen, lbs.	23	28
Hand Made Shingling—Per dozen	$21.00	23.25

One half dozen in a carton.

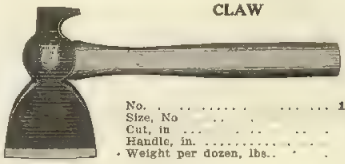
HALF



No.	1391	1392
Size, No.	1	2
Cut, in.	3¼	3⅝
Handle, in.	13	14
Weight per dozen, lbs.	24	28
Hand Made Half—Per dozen	$21.25	25.50

One half dozen in a carton.

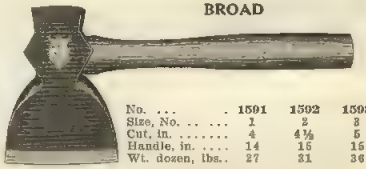
CLAW



No.	1492
Size, No	2
Cut, in	4
Handle, in.	14
Weight per dozen, lbs.	30
Hand Made Claw—Per dozen	$27 00

One half dozen in a carton.

BROAD

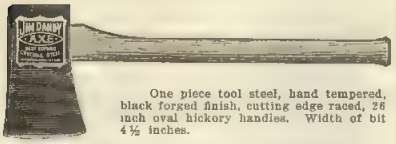


No.	1591	1592	1593
Size, No.	1	2	3
Cut, in.	4	4½	5
Handle, in.	14	15	15
Wt. dozen, lbs.	27	31	36
Hand Made Broad—Per dozen	$27.00	31.50	37.50

One half dozen in a carton.

AXES AND SPUDS

JIM DANDY MINERS' AXES



One piece tool steel, hand tempered, black forged finish, cutting edge raced, 26 inch oval hickory handles. Width of bit 4½ inches.

Jim Dandy Miners'—Weight each 3 to 4 pounds.
.....Per dozen, **$15.00**

One half dozen in a crate.

CRECOITE MINERS' AXES

One piece special analysis steel, carefully tempered expressly for hard service. Smooth rustless black finish, polished cutting edge, 26 inch oval hickory handles.

No. 923—Weight of head each 3½ lbs...Per dozen, **$37.50**

One half dozen in a crate.

BROAD AXES

CRANBERRY

Wisconsin Pattern

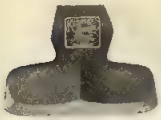
Superior quality cast steel, silver and gold finish, polished bit and poll

Weight each, pounds.....	6	7	8
Cranberry—Per dozen.....	**$109.50**	**123.00**	**129.00**

One half dozen in a box

KEENER'S CHOPPER

Wisconsin Pattern



Hand forged, extra quality crucible cast steel, chemical black finish, flint edge temper, polished bit and poll.

Weight each, pounds.....	6	7	8
Keener's Chopper—Per doz..	**$100 50**	**123.00**	**129 00**

One half dozen in a box.

BARK SPUDS

Blade is forged from best carbon steel, handle is turned from seasoned hardwood. Length over all 27 inches.

With Handles—Weight 36 lbs.....Per dozen, **$43.50**
Extra Handles—Weight 16 lbs.....Per dozen, **6.00**

ADZES AND HATCHETS

CARPENTERS' ADZES

CRANBERRY

Hand forged steel body, superior quality cast steel bit, hardened head, ground and sharpened, silver and gold finish, bit and head polished.

House carpenters' adzes have half heads and railroad adzes have full size heads.

House R. R.

	House Carpenters'		
Cut, in.	3	4	4½
Weight per dozen, lbs.	38	42	45
Per dozen	$46.50	46.50	46.50
	Railroad		
Cut, in.	3½	4	4½
Weight per dozen, lbs.	41	44	47
Per dozen	$49.50	49 50	49.50

One half dozen in a box.

SHIP CARPENTERS' ADZES

CRANBERRY

Hand forged steel body, spur head, superior quality cast steel bit, ground and sharpened, spur and bit polished, body finished in silver and gold.

Cut, in.	3½	4	4½
Wt. per doz, lbs.	38	40	42
Per dozen	$57.00	57.00	57.00

One half dozen in a box.

TRACK ADZES

IMPERIAL

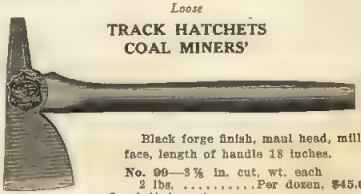
A special tool designed for track laying and other heavy woodwork around mines and lumber plants. Polished blade and poll finished blue; extra long octagon poll for driving spikes; eyes made to fit regular sledge handles. No handles furnished

Imperial—Weight each 3¾ lbs.....Per dozen, **$37.50**

Loose

TRACK HATCHETS

COAL MINERS'

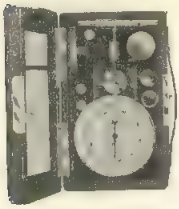


Black forge finish, maul head, milled face, length of handle 18 inches.

No. 90—3⅞ in. cut, wt. each 2 lbs. .....Per dozen, **$45.00**

One half dozen in a carton.

Columbia Hand Tachometer



No. 2283

A superior instrument in every respect. Only one spindle, but 5 wide speed ranges. Furnished in 2 sets of speed ranges: 1 up to 8,000 R. P. M., 2 up to 16,000 R. P. M.

Price complete in carrying case **$100.00**

Catalog on request

Stationary Tachometer

No. 2284

Designed for permanent installations. For any application and all speed ranges. Can be furnished either indicating or recording or indicating and recording combined. Complete catalog and prices furnished on application. When inquiring state application, speeds to be measured, and diameter of shaft to which tachometer will be attached.

Made with dial sizes 5½", 7½" and 10". Right or Left hand drive. Prices on application.

Fairmorse Fire Extinguisher

A 2-gallon extinguisher approved by the Underwriters Laboratories.

In operation the gas formed mingles with the water contained in the extinguisher and is thrown with great force on the fire where it expands forming a heavy blanket which effectually smothers the fire.

The gas given off is odorless and harmless.

One of these extinguishers is as effective as a 100-gallon stream of water.

Directions for operations are in both French and English.

No. 2285 Fairmorse Extinguisher, **each** **$15.00**

No. 2286—Refill for Fairmorse Extinguisher **each** ..... **.75**

Pyrene Fire Extinguisher

Pyrene Recharge One Quart Can

Pyrene Extinguisher with Bracket

The Pyrene Fire Extinguisher will throw a continuous jet of chemical 30 feet.

It is simple and easy to operate and will extinguish gasoline or oil fires almost instantly.

Pyrene is non-freezing at 50 degrees below zero, does not corrode or deteriorate, is a non-conductor of electricity and will not damage the finest fabric.

A Pyrene Extinguisher will reduce car insurance 15 per cent.

Use Pyrene liquid in Pyrene Extinguishers, other liquids may damage the mechanism.

No. 2287—Complete with bracket

Brass—**Price**..... **$12.00**

Nickel Plated..... **14.00**

No. 2288 Refills—**Price**..... **2.00**

Composition and Imported Vases, Statuary

Composition Vases

Height 12 inches

Composition Vases, in round and square shapes, in imitation basket weave design with handles on two sides. Beautifully raised designs of fruit, vines and leaves in natural colors. Come in two fruit patterns and two colors, light and dark. Two dozen in barrel. Four kinds assorted. No less sold

No. 65N15. Per dozen..... **4.00**

Aztec Vases

Very Artistic Vase. Molded in imitation of vase used from ruins of the Aztec mounds. Green color with figure of large lizard on side in full relief in the position of climbing up vase. Height 9¾ in., diameter 3¾ in.

No. 2N102. Per dozen . . . **6.00**

Imported Japanese Tokenabe Vases

Beautiful Tokenabe Vases, 10 inches high, come in four designs. All round shape. First design has raised surface with highly colored bird on branch of tree all in natural colors. Second design is of the Kang Tai Peru with carved figures and flowers in bright colors. The two remaining styles have a black surface with Beautiful Hand Painted Birds and Flowers decorated with gold. These four numbers make a very attractive assortment and we without a doubt the best values that we have ever offered in vases.

No. 2N112. Per dozen . . . 12.00

Parisian Art Statuary Assortment

Parisian Art Statuary Assortment. Consists of six full figures, copies from noted French masterpieces. Each original is famous because of the true artistic likeness the sculptor was able to model into these beautiful worked out designs. These copies are reproduced in composition and measure from 10 to 14½ inches in height.

No. 65N12. Six subjects assorted, in old ivory finish. Two dozen in barrel. Per barrel..... **10.50**

No. 65N13. Six subjects assorted, in tinted colors. Two dozen in barrel. Per barrel..... **13.50**

BIG VALUES IN PILLOW TOPS

Embossed Leatherette Pillow Tops—Sateen Sides Rich, Assorted Colors

The 12-Inch Panels are made of a composition so nearly resembling leather that even the experts are fooled. These centers are heavily embossed with selected Art Subjects and then tinted in beautiful rich colors.

The complete Pillow Top is 18 inches in diameter when flat. The sides are made of a good grade of glossy Sateen in bright solid colors. The backs are a heavy patent leather black finish oil cloth with two patent snap fasteners for quick filling. We list below some of the subjects. Any you do not want will be left out on request, or if you prefer to order any one subject you can do so at the price quoted. There may be some delay, however, in filling such order as we do not always have all subjects in stock.

Some of the Subjects

Swinging Girl	Dog and Baby	Elk
Butterfly	Horse Race	Minnehaha
Bathing Girl	Romeo and	Water Nymphs
Scotch Girl	Juliet	

No. 44N51. Per dozen assorted..... **9.50**

HIGH GRADE ROUND FILLERS

Round Fillers. For stuffing above pillows. Heavy muslin, soft stuffed withkapok. Securely sewed. Diameter 15 inches. ½ dozen in bundle

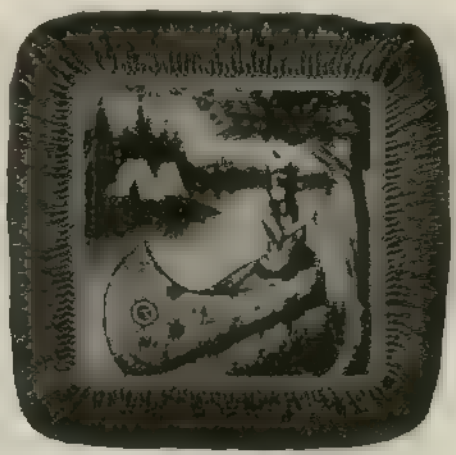
No. 44N35. Per dozen..... **7.80**

TAPESTRY PILLOW TOP

Tapestry Pillow Tops. A handsome assortment of different subjects, including landscapes, children etc. Executed in beautiful, harmonious colors. An article of unusual beauty as well as utility. Size 20x20 inches with 3½-inch knotted fringe.

No. 36D6. Per dozen..... **15.00**

REAL SATIN PILLOW TOPS



Brilliance of Coloring, The Gloss of fine Satin. The appeal of truly artistic subjects, will bring the crowds and hold them at your booth if you stock these wonderful **Satin** Pillow Tops, 24 new and decidedly interesting art subjects. **PHOTOGRAPHED** right on to the Satin and then tinted in gorgeous natural colorings. These tops measure about 18 inches square, or about 24 inches if fringe is included. Below are listed some of the subjects. (We ordinarily assort them, however). Any of them will be left out on your request, or we will fill orders for any particular top at the same price. Special orders are sometimes delayed as we do not always have every subject in stock

Bathing Girl and Dog	Elk	Mexican Girl
September Morn	Canoe Girl	Pals
Bathing Girl and Parasol	Victory	Auto Girl
Pharaoh's Horses	Wenonah	Masonic
Alone	Egyptian Princess	Stag
America First	U. S. A.	Moose
		Moonlight
		Indian Chief

No. 44N50. Per dozen assorted..... **12.60**

Floss Pillows for Stuffing Pillow Tops

Pillows for Stuffing Pillow Tops, made of a strong grade of white cambric filled with light fluffy kapok stuffing, very securely sewed to prevent stuffing from coming out. Do not compare these pillows with the unsanitary goods offered at lower prices. ½ dozen in package.

No. 44N37. Size 16x16..... Per doz. **6.00**

No. 44N38. Size 18x18..... Per doz. **7.80**

No. 44N39. Size 20x20..... Per doz. **8.75**

Popular Priced Accordions
Accurately Tuned

Built for Extra Volume Has 21 Keys 8 Basses

This full range Italian Style Accordion is a beautiful instrument, equipped with a carry-o-matic case. It is built for volume with extra deep sixteen-fold bellows, twenty-one keys and eight basses. Two sets of wide tuned made bronze reeds, each set on a separate plate to insure pure

$9.95

851 C 1009

No matter which Concertone Accordion you select you may be sure it will be skillfully made from the finest materials, perfectly adjusted and tuned. Our Concertone Italian Style accordions are made for Ward's by manufacturers who are famous for the excellence of their instruments. Concertone German Style accordions are made for Ward's of selected materials and by those who have been skilled in the art of making the best accordions for many years. Hohner Accordions are used in they are known the world over for their superior quality.

Italian Style

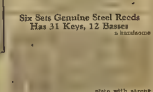
Four Sets Genuine Steel Reeds Has 21 Keys, 12 Basses

wide treads. Four sets of genuine steel reeds of full tuned orchestral size, mounted in by .22 pounds. Can be shipped

$22.95

Six Sets Genuine Steel Reeds Has 31 Keys, 12 Basses

a handsome



imitation leather case. Size closed, 17½ inches. Shipping weight, 30 pounds

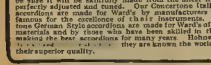
$27.95

plete with strong size closed, 6½ by weights, 20 pounds

$ 95

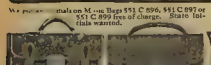
Piano Keyboard Accordions

We pay... materials on M... Bags $51 C 896, $51 C 897 or $51 C 899 free of charge. State ... rials wanted.



...ply in ... a stamped iron.

$51 C 830 ... $2.25
$51 C 831 ... Sleeves 2.25
Postage, 10c extra



Waterproof Imitation

...on Plaid Cover Cloth lined Leather handles nickel plated spring catch

$51 C 895 ... 95c
$51 C 899 ...
Postage, 6c extra ... Postage, 6c

Cases for String Instruments

Sturdy—Handsome

...ior, well made ... ...ades of

$51 C 1 ... $3.25
$51 C 107 ... 2.95
Postage, 12c extra
$51 C 185 ... 4.25
Postage, 12c extra
$51 C 209 ... $1.85
Postage, 20 cents
$51 C 215 ... Tenor Banjo ...

Concertone Strings
For All String Instruments

...ings ... 10c
...ings ... 10c
...ings ... 10c

Our Low Prices Mean Greater Savings

Pearl Keys and Hand Engraving on Every Instrument

Read this Letter

I have played several makes of fine pearl keyed but I prefer your Leader to every one for tone, ease of blowing, and it is a beauty. I fully trust and believe it is the best ever to pass. You are right in saying it is the best instrument on the market for the price.

Henry Johnson
Columbus, Ind.

This is just one of the thousands of letters from pleased customers telling the satisfaction we with Ward C. cert. ur instruments.

Our Leader Concertone Cornet

$7.95

B-Flat Cornet—Long Model

To secure the finest Cornet that could be made, we had it made for us by one of the largest manufacturers in Europe and had this instrument made according to our specifications.

You will say it is a wonder at this low corner low price. It is perfect in every way and has a rich full and even tone. Made in bright brass, polished keys, silver plated Bell. It has seven pearl keys, large medium bore which makes it easy to fill with wind, ground valves and tuned and correct, and unfailing in action. Three buttons are provided for the left hand. Has detachable mouthpiece and leather carrying case. Height 10¾ inches. Diameter of bell 4½ inches. Included length 57¾ inches. Diameter 1 bell, 4½ inches.

51 C 2318	Cornet	$ 7.95
51 C 2319	Postage the extra	18.45
51 C 230	Cornet	.75
	Postage 4c extra	

Professionals Who Demand the Best Use and Endorse Concertone Instruments

It is of such as these that Band instruments which will meet and satisfy the most highly advanced professional musician. Concertone Professional models are being used and highly praised by secret musicians throughout the country, and they are distinctive this praise

They embody the latest and most scientific development in band instrument design. Every instrument is made from the finest flawless brass of the correct gauge to produce a full clear tone. It is finished through out not alone for beauty but for endurance as well

Correctly Designed for Perfect Tone

Concertone Professional Cornets and Trumpets have the best valves of the short, light type which insures easy, faultless action

The bore is carefully tapered and proportioned to give easier full tone and long carrying power. The bells are heavy and sound, absolutely "crack" the tone under the hardest usage

Every Concertone instrument regardless of price is carefully designed for perfect balance, easy playing, rich full tone, and the assuring satisfying service which the musician expects from a good instrument

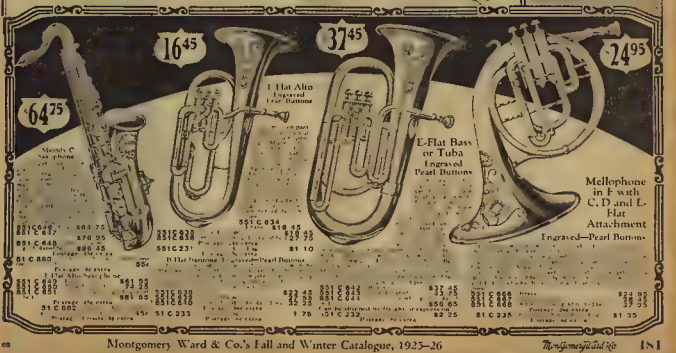
Professional B-Flat Trombone

$14.95

Concertone C, B-Flat and A Trumpet

$12.95

Concertone Professional B-Flat Trumpet

$24.25

$64.75

Manzelli C Saxophone

$16.45

B Flat Alto Engraved Four Baritone

$37.45

E-Flat Bass or Tuba Engraved Pearl Buttons

$24.95

Mellophone in F with C, D and E-Flat Attachment Engraved—Pearl Buttons

WOOD MINNOWS

CREEK CHUB

BABY PIKIE.

Genuine cedar, light slim body; rust proof bronze hooks are set in sockets and blend with color of body. Designed to answer the demand for a smaller bait which has been making record catches of game fish. It has a wicked wiggle and all the good qualities of the larger lure. Length body 3 ¼ inches.

	Per Doz
No. 900—Natural pikie, scale finish	$24 00
No. 904—Natural perch, scale finish	24 00
No. 905—Golden shiner, scale finish	24 00
No. 906—Rainbow	24 00

One in cardboard box, wt per doz 1 ⅞ lbs

BABY WIGGLER.

Genuine cedar body; rust proof nickel plated hooks. Near surface wiggler and by reversing mouth piece will run on surface. Length body 2¾ inches.

	Per Doz
No. 200—Natural creek chub, scale finish	$24 00
No. 201—Natural perch, scale finish	24 00
No. 203—Golden shiner, scale finish	24 00
No. 206—All red	24 00
No. 208—Natural goldfish, scale finish	24 00

One in cardboard box; wt per doz 1 ⅞ lbs.

CRAWDAD WIGGLER.

Genuine cedar, natural shaped body and tail, black bead eyes, rubber legs bronze hooks. Backward movement same as crab with wiggle in tail floats until started. Tail guards hooks from snags and bottom. Length body 2¾ inches.

	Per Doz
No. 300—Natural crab, shell finish	$24 00
No. 301—Albino finish, white and red	24 00
No. 302—Tan color, shell finish	24 00

One doz in cardboard box; wt per doz 1 ½ lbs.

BABY CRAWDAD.

Genuine cedar, natural shaped body and tail, black bead eyes, rubber legs, bronze hooks. Backward movement same as crab with wiggle mostly in tail and floats until started.

Tail guards hooks from snags and bottom. Length body 2 ½ inches.

	Per Doz
No. 400—Natural crab	$24 00
No. 401—Albino	24 00
No. 402—Tan color, shell finish	24 00

One in cardboard box; wt per doz 1 ⅝ lbs

WOOD MINNOWS

CREEK CHUB

Floating Injured Minnow.

Genuine cedar body; rust proof nickel plated hooks and spinner. Represents an injured minnow which is laying on its side exhausted, but still able to make a little motion on the surface and should be pulled in a series of short slow jerks, or very slowly to properly imitate a struggling minnow. Length of body 3¾ inches.

	Per Doz
No. 1500—Natural creek chub, large scale finish	$26 40
No. 1501—Natural perch, small scale finish	26 40
No. 1503—Golden shiner, large scale finish	26 40
No. 1504—White with red head	26 40

One in cardboard box, wt each ¾ ozs.

FINTAIL SHINER, WIGGLER.

Genuine cedar, natural shaped body and tail, nickel plated hooks set in sockets. Imitation fins on back, tail and sides, Length body 4 inches.

	Per Doz
No. 2100—Red side shiner, scale finish	$31 50
No. 2101—Natural perch, scale finish	31 50
No. 2103—Golden shiner, scale finish	31 50
No. 2104—White, with red fins and tails	31 50

One in cardboard box; wt per doz 1 ⅛ lbs

SOUTH BEND, TROUT-ORENO

Red cedar body, enameled with several coats of high grade water-proof enamel, treated to prevent cracking and swelling. Has a wobbling erratic motion; floats when not in motion and darts, dives and swims when reeled in. An irresistable game fish lure.

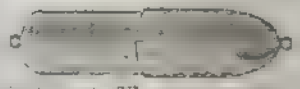
Length 1¾ ins.; one hollow point double hook.

	Per Ass't
No. 381—Consists of 12 minnows, assorted colors	$17 25

One ass't in cardboard box; wt per ass't 3 ½ lb.

HYDROPLUGS

STUBBY'S



Aluminum shell containing a cork large enough to make it float. When empty it weighs ⅝ ounce before making the first cast fill with water, when full weight 1 ½ ounces. This added weight enables the fisherman to make a long cast. Upon striking the water it resumes its weight of ⅝ ounce and the cork makes it float. With the cork removed it will sink and is ideal for bottom fishing. The light weight does not interfere with the natural movements of live bait. Can be made to answer almost every purpose by using larger or smaller corks.

	Per Doz
No. 1L Diam 1 in, length 4 ins	$19 50

One in carton; wt per doz about ¾ lb.

ARTIFICIAL BAIT

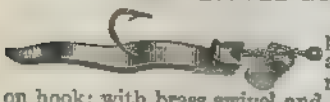
FOSS' SHIMMY WIGGLERS

Made of brass, heavily nickel plated. Designed to work successfully in any kind of water, deep or shallow, clear or thickly grown up with weeds. Practically weedless as it always rides hook up passing over weeds and obstruction, and will not twist the line. Each furnished with Foss' Bucktail streamer and one hook.

	Per Doz
No. 5SW—With No. 3-0 hook; wt each ⅝ oz	$25 20
No. 6SW—With No. 1-0 hook; wt each ½ oz	25 20

One in metal box.

FOSS' LITTLE EGYPT WIGGLERS



Made of brass, heavily nickel plated. A successful lure for all kinds of game fish; pork rind is clamped on, and impaled on hook; with brass swivel and nickel plated spinner.

	Per Doz
No. 1LEW—With No. 3-0 O'Shaughnessy hook; wt each ½ oz	$18 90

One in metal box.

FOSS' JAZZ WIGGLERS

Brass, heavily nickel plated; tip of spinner dyed red. An excellent lure for small or large mouth bass muskellonge, pike, pickeral, trout or any game fish. Has the lowest center of gravity of any weighted hook and positively cannot turn over.

Price does not include Pork Rind.

	Per Doz
No. 10—With No. 3-0 hook; wt each ¼ oz	$14 40
No. 9—With No. 5-0 hook; wt each ⅝ oz	14 40

One on a cardboard; 1 doz in cardboard box.

FOSS' SHIMMYETTE FLY ROD WIGGLERS

Made of brass, heavily nickel plated; spinner shaft made of music wire. Can be cast effectively with a five ounce rod, an excellent line for bass or trout.

	Per Doz
No. 7—With No. 3 Sprout hook; wt each 1/16 oz	$12 60
No. 8—With No. 6 Sprout hook; wt each 1/20 oz	12 60

One in metal box.

FOSS' ORIENTAL WIGGLERS

Made of a solid celluloid composition, practically indestructable. A good all around bait for those accustomed to casting a plug and using a line and rod that is too heavy to successfully handle the lighter and more deadly lures.

Regular Size.

	Per Doz
No. 30W—All white; with No. 3-0 hook; wt each ⅔ oz	$25 20
No. 30RW Red and white; with No. 3-0 hook; wt each ⅔ oz	25 20

Junior Size.

	Per Doz
No. 40W—All white with No. 2-0 hook; wt each ½ oz	$25 20
No. 40RW Red and white; with No. 2-0 hook; wt each ½ oz	25 20

One in metal box.

PREPARED BAIT

FOSS' PORK RIND STRIPS

These pig skins are run through a leather splitting machine, then chemically treated to remove the grease, punched and perforated for ready attachment, then bottled in brine which will preserve them for years.

	Per Doz
No. 1PRB—Fly rod size 2 ins long, ¼ in. wide; 18 strips in bottle	$11 70
No. 2PRB—Regular, bass size 3¾ ins long, ½ in. wide; 12 strips in bottle	11 70

One doz bottles in case; wt per doz 4½ lbs.

FISHING FLOATS

Wood float; quill top; unbound; fancy painted and varnished.

Nos.	5-1¾	5-2	5-2½
Length float, ins	1¾	2	2½
Wt per gro, lbs	4	6	9
Per Gro	$17 25	18 00	25 20

Cork float, wood quill top; unbound; fancy painted; varnished.

Nos.	6-1½	6-1¾	6-2
Length float, ins	1½	1¾	2
Wt per gro, lbs	4	6	7
Per Gro	$28 50	33 75	44 25

Wrapped in paper.

Barrel shaped cork wood top; fancy painted.

Unbound.

Nos.	16-2	16-2½	16-3
Length float, ins	2	2½	3
Wt per gro, lbs	6	9	12
Per Gro	$33 75	51 00	63 00

One doz in cardboard box.

PARAGON CORK

Fine quality cork; natural fancy finish; painted in fancy colored stripes and varnished; wood stick top, with adjustable brass spiral spring line holder; wood stick bottom with brass spring wire line guide.

Egg Shape.

Nos.	1PE-1¾	1PE-2	1PE-2½	1PE-3
Length, ins	1¾	2	2½	3
Wt per gro, lbs	3¾	4½	6½	8½
Per Gro	$39 00	45 75	66 00	102 00

One doz in box.

Barrel Shape.

Nos.	2PB-2	2PB-2½	2PB-3	2PB-3½
Length, ins	2	2½	3	3½
Wt per gro, lbs	3	4	5	6
Per Gro	$42 00	50 40	61 50	72 00

One doz in box.

CREEK CHUB and HEDDON BAITS

Minnow Assortment. These are well formed and finished wooden minnows of regulation style, fitted with nickel plated spinner and 3 treble hooks one on each side and one in back. Polished nickel plated spinners and connections. 1 dozen assorted colors on display card. One card in box.

No. 18R41.
Per dozen..... 1.96

Creek Chub Wiggler, Wiggler, Wobbler, Splatter. Removable reversible wiggler supersedes the Spinner. For surface, near surface and deep. Does not revolve. Weight under 1 ounce. Body 3½ inches. Each in box. One dozen boxes in carton.

No. 18R53. Natural Creek Chub Scale Finish.
Per dozen..... 7.45

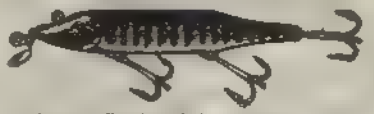
No. 18R54. Natural Perch, Scale Finish.
Per dozen..... 7.45

Baby Chub Wiggler. Has all the features of larger Wiggler, except does not run so deep. Weight ½ ounce. Length of body 2¾ inches. Each in box. One dozen boxes in carton.

No. 18R50. Natural Creek Chub, Scale finish.
Per dozen..... 7.45

No. 18R51. Natural Perch, Scale finish.
Per dozen..... 7.45

No. 18R52. White with red head.
Per dozen..... 7.45



Creek Chub Pikie Minnow is a new nature lure, so closely imitates the pike minnow in shape, color and movement that the combativeness of the bass is aroused and they strike to kill. Slim body is 4½ inches long, weight ¾ ounce, rust proof bronze hooks set in sockets. 3 treble hooks. Each in box. One dozen boxes in carton.

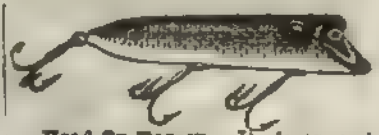
No. 18R48. Pikie Minnow.
Per dozen..... 7.84

No. 18R49. White with red head.
Per dozen..... 7.84

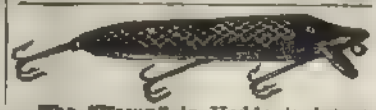
Baby Pikie Minnow. Thoroughbred from the famous Pikie Minnow. This neat little ⅛ ounce lure, 3¼ inches long, is in answer to the demand for a smaller bait than the now famous Pikie Minnow. It has a wicked wiggle, and all the good qualities of the large lure. A light, strong killer. Each in box. One dozen boxes in carton.

No. 18R47. Natural Pikie.
Per dozen..... 7.45

The Crawdad. Natural shaped body and tail, black eyes, rubber legs, bronze hooks, movement backwards, same as a crab. Wiggle mostly in tail. Floats until started. Only bait without nickel plate. Tail guards hooks from snags and bottom. Length of body 2¾ inches, weight ⅜ ounce. Casts like a bullet. Each in box. One dozen in carton.
No. 18R105. Natural Crab, Shell finish.
Per dozen..... 1.80



Head-On-Basser. It darts and swims in an irregular way. Very erratic in action but equally positive in results. Will run from one to three feet below the surface when retrieved. Floats when at rest. Has made wonderful records for bass, pickerel and muskellonge. Equipped with three treble hooks, non-rotating hook fasteners, eyes, and full Heddon finish. Weight ⅜ oz., length over all 4¼ inches. Each in box. One dozen boxes in carton.
No. 18R146. White body, red head and tail. Per dozen..... 6.66
No. 18R147. Shiner, Scale finish.
Per dozen..... 6.66



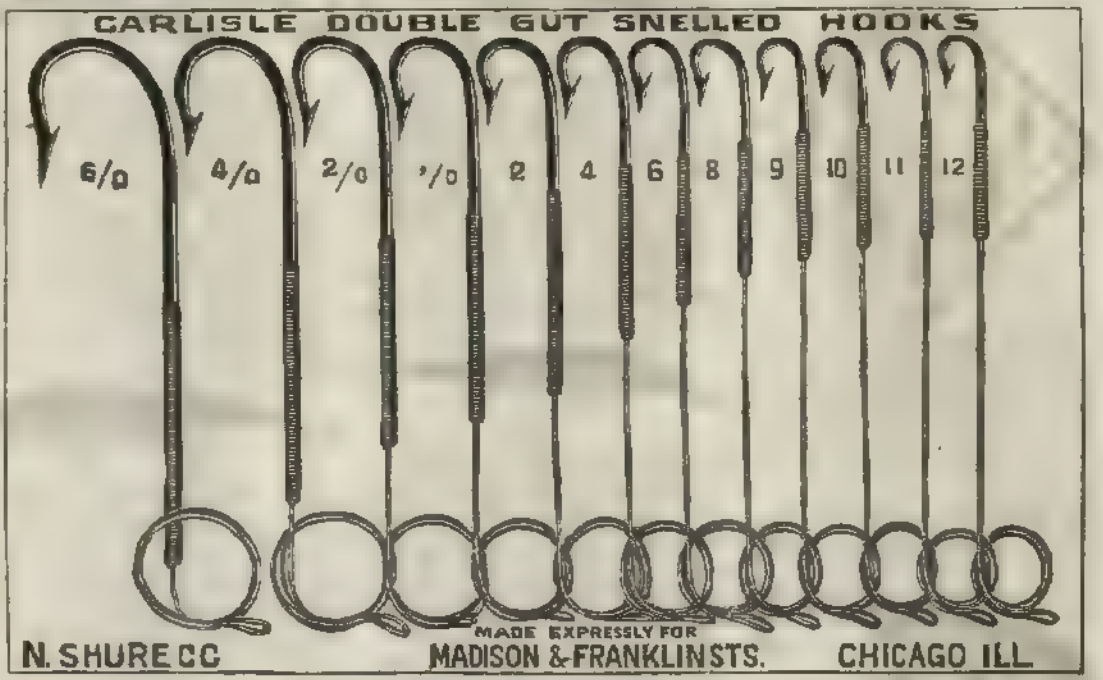
The "Vamp" is Heddon's latest bait. Flat-nosed to resemble a baby pike and enameled in natural fish colorings, it is a lure that few fish can resist. It floats well at rest and in action has a diving, wiggling and darting motion very like that of a live fish. Equipped with three gangs extra sharp treble hooks, it is a sure "GETTER." Those who have used it in hundreds of tests are enthusiastic over the results. It weighs ⅜ ounce, measures 4½ in. Each in box. One dozen in carton.
No. 18R148. White body, red eyes and tail. Per dozen..... 7.84
No. 18R149. New Pike Scale.
Per dozen..... 7.84

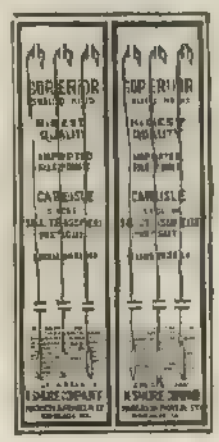
Heddon "Baby" Game Fisher Minnow, made in two sections. "Baby" is 3¾ in. long, weighs ⅛ oz., has two treble hooks, one at tail and one on the forward section. Each in box. One dozen in carton.
No. 18R143. Red head with white body. Per doz..... 9.80
No. 18R144 Shiner scale. Doz. 9.80
No. 18R145 Pike scale. Doz.. 9.80

New Heddon "Game-Fisher"

The "Game Fisher," floating while at rest, draws below the surface in a zig-zagging motion. Heddon sure-catch hook presentation and has the patented fastenings. While unlike other wooden baits the flexible body offers the hooked fish no purchase for shaking loose the barbs. This Lure is sturdily built to withstand the most savage attacks. Wonderful records made on Bass, Pike and Muskies. Length of body, 4¾ in. Weight ⅝ ounce. Each in box. One dozen in carton.
No. 18R152. Rainbow. Per dozen..... 9.80
No. 18R153. White, red head and tail. Per dozen..... 9.80
No. 18R154. Green Scale. Per dozen..... 9.80
No. 18R155. Shiner Scale. Per dozen..... 9.80

Standard Snelled Fish Hooks





Standard Snelled Hooks tied on imported spear point Carlisle hooks. Each hook covered with a Waterproof Dressing and thoroughly tested. An especially fine grade hook. Packed 6 hooks on folder, one gross hooks in box.

No. 18R1. Carlisle Single Gut Hooks tied to 7 inch selected silkworm gut. Sizes 5-6-7-8-9-10-11-12.

Per gross 1.80

No. 18R2. Carlisle Double Gut Hooks tied to 7 inch selected silkworm gut.

Sizes	Per Gross	Per Dozen
12,11,10,9,8,7,6,5,4,3,2,1	2.50	.23
1/0	2.60	.25
2/0	2.70	.27
3/0	2.80	.29
4/0	2.90	.31
5/0	3.00	.33
6/0	3.10	.35

No. 18R4. Carlisle Double Gut Hooks same as 18R2 length of gut 3 inches. Packed 6 hooks in glassine envelope. One gross hooks in box.

Sizes	Per Gross	Per Doz.
10,9,8,7,6,5,4,3,2,1	1.50	.15
1/0	1.80	.17
2/0	1.75	.19
3/0	1.90	.21
4/0	2.05	.23

No. 18R5. Sprout Double Gut Hooks, tied to 7-inch selected silkworm gut. Packed 6 hooks on folder, one gross hooks in box.

Sizes	Per Gross	Per Dozen
6-4-3-2-1	2.50	.23
1/0	2.60	.25

Superior Cincinnati Bass Snelled Hooks

No. 18R3. Superior Cincinnati Bass Snelled Hooks, high grade imported file point nickel plated Cincinnati bass hooks tied to 7 inch highest grade selected silkworm double gut, red silk wrapped cover with waterproof dressing. Each hook carefully stretched, tested and inspected. Packed 6 hooks on folder. ½ gross hooks in box. For sizes see preceding page.

Sizes	Per Gross	Per Dozen
26	3.75	.32
24	3.75	.32
22	3.75	.32
21	3.80	.35
20	4.00	.37
19	4.15	.39
18	4.30	.41
17	4.40	.43
16	4.50	.45

Cable Wire Hooks

No. 18R25. Tied to finest imported Hollow Point Pennell Turn Down Eye hooks with 8-inch Manganese bronze cable wire, knotted through the eye. These hooks are red silk wrapped; wire wrapping over the silk; covered with two coats of waterproof dressing. The Loop is also wrapped with red silk and wire wrapping over silk. It is impossible for this hook to become untied or unraveled. Six hooks on folder, ½ gross hooks in box.

Size	Per Gross	Per Dozen
19	8.50	.75
17	9.25	.80

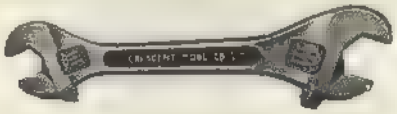
CRESCENT ADJUSTABLE WRENCHES AND DISPLAY BOARDS

CRESCENT ADJUSTABLE WRENCHES

Single End, Polished

Size, Inches	Capacity, Inches	Per Dozen	Size, Inches	Capacity, Inches	Per Dozen
4	½	$ 7 80	12	1⅞	$18 00
6	¾	7 80	15	2⅛	27 00
8	1⅛	9 60	18	2⅝	39 00
10	1⅜	12 00			

CRESCENT DOUBLE END WRENCHES



Size, Inches	Capacity, Inches	Per Dozen	Size, Inches	Capacity, Inches	Per Dozen
4-6	½ ¾	$13 20	8-10	1⅜ 1¼	$18 00
6-8	¾ 1⅛	15 00	10-12	1⅛ 1⅝	24 00

CRESCENT INTERCHANGEABLE WRENCH PARTS

Size, Inches	Jaw	Knurl	Spring	Pin
4	$0 25	$0 10	$0 05	$0 05
6	25	10	05	05
8	30	12	05	05
10	40	15	05	05
12	60	25	05	10
15	85	35	05	10
18	1 15	55	05	10

Repair parts for the regular single end wrench are interchangeable with the double end wrench parts.

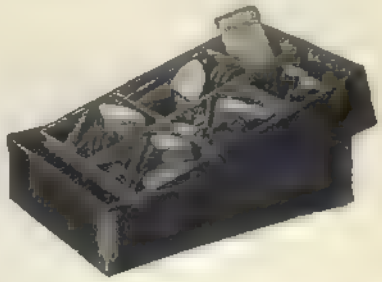
CRESCENT DISPLAY ASSORTMENT

Crescent Display Assortment. The display board is made of quartered oak and is 25 inches square. Hooks on the board to allow an assortment to be carried and sold direct from the board. The assortment contains the following polished wrenches:

6	4-inch Single End.	1	15-inch Single End.
12	6-inch Single End.	1	18-inch Single End.
12	8-inch Single End.	6	6-8-inch Double End.
6	10-inch Single End.	3	8-10-inch Double End.
1	12-inch Single End.		

No. DB5 Crescent Display Assortment....complete $49 30

DEALER'S REPAIR ASSORTMENT



No. RP 1 Dealer's Repair Assortment. Consists of the most saleable repair parts for Crescent wrenches in proportions that sell the best. Container consists of a heavy cardboard carton divided into compartments for the various sizes. Measures, 4¼x6¼x1⅝ inches and weighs 2 pounds when packed with parts.

Contains the following Parts:

2	4-inch Jaws.	2	4-inch Pins.
5	6-inch Jaws.	3	6-inch Pins.
4	8-inch Jaws.	3	8-inch Pins.
2	10-inch Jaws.	2	10-inch Pins.
1	12-inch Jaw.	1	12-inch Pins.
2	4-inch Knurls.	2	4-inch Springs.
3	6-inch Knurls.	3	6-inch Springs.
4	8-inch Knurls.	3	8-inch Springs.
2	10-inch Knurls.	3	10-inch Springs.
1	12-inch Knurls.	2	12-inch Springs.

No. RP 1 Dealer's Repair Assortment . . .each $7 13

CRESCENT SILENT SALESMAN

Crescent Silent Salesman. A wrench display board that takes up a space of 18x18 inches and weighs one pound—that's the Silent Salesman.

Consists of six assorted polished wrenches securely attached to the board and each board is packed in an individual box.

No. DB 3 Crescent Silent Salesman..... .....each $3 90

WRENCHES, HAMMERS AND HANDLES

GENUINE STILLSON PIPE WRENCHES

Genuine Stillson Pipe Wrenches. Sizes 6, 8 and 10 inches are furnished with wood handles; sizes 14, 18, 24 and 36 inches with all-steel handles.

Length Over Jaws, Inches	Handle Inches	Wrench	Jaw	Frames
6	1 1/2	$2 00	$0 75	$0 38
8	1 3/4	2 25	80	42
10	2	2 50	85	50
14	4 11/2	3 50	1 15	60
18	2	5 00	1 75	75
24	21/2	7 25	2 25	95
36	4 31/2	13 50	4 35	1 70
48	1 5	20 00	7 50	2 20

"PERFECT HANDLE" MONKEY WRENCHES

No. 615 Perfect Handle Monkey Wrenches. Waterproofed handles. Bar is solid one-piece steel drop forging.

Length, Inches	Will Open Inches	Wt. Doz., Lbs.	No. in Pkg.	Per Doz.
6	1	11	6	$15 00
8	1 1/4	20	6	18 00
10	1 3/4	33	6	22 00
12	2 1/8	47	6	28 00
15	2 3/4	67	3	38 00
18	3 1/8	100	2	48 00
21	4	155	1	58 00

B & S ADJUSTABLE AUTOMOTIVE WRENCHES

Model G Adjustable Automotive Wrenches. Made from steel drop forgings.

No.	Total Length, Inches	Opens, Inches	Thickness of Jaw Inches	Depth of Jaw Inches	Finish	Black, Per Pair
1	6 1/2	1 5/16	5/16	1		$1 15
2	8	1 7/16	3/8	1 1/4		1 50
3	10 1/4	2 5/16	7/16	1 1/2		1 90
4	12 1/4	2 3/4	7/16	1 1/4		2 40
5	14 3/4	3	9/16	1 3/4		3 00
6	18 1/4	3 7/8	3/4	2 1/8		4 00
7	21	3 1/8	3/4	2 1/8		5 00

M & M AUTOMOBILE WRENCHES

M & M Automobile Wrenches. Absolutely dependable, inexpensive and practical. It will stand up and show its worth best in the hardest of work. All wrenches are thoroughly hardened. Made in mottled finish only.

No.	Length, In.	Opens, In.	Each
764A	9	1 3/4	$0 50
764B	11	2 1/2	75

MACHINISTS' BALL PEIN HAMMERS

No. 106 Vichek Machinists' Ball Pein Hammer. Octagon pattern, Special Hammer Steel, drop forged. Natural semi-finished, polished face and pein.

Size	5-0	4-0	3-0	2-0	0
Wt. of Head, oz.	4	6	8	12	16
Length, inches	12	12 1/2	13	14	14
Per dozen	$12 00	12 00	12 00	12 00	12 50

FAIRMOUNT DROP FORGED BUMPING HAMMER

No. 160G Fairmount Drop Forged Bumping Hammer. Ebony and polished. Weight, 10 ounces.

No. 106G Fairmount Drop Forged Bumping Hammer. Each $1 25

FAIRMOUNT ENGINEERS' HAMMER

No. 122G Fairmount Engineers' Hammer. Ebony finish and polished.

No. 122G Fairmount Engineers' Hammer. Weight, 2 lbs. Each $2 00

No. 123G Fairmount Engineers' Hammer. Weight, 2½ lbs. Each $2 15

RUBBER MALLETS

Rubber Mallets. These are designed for use around automobiles, to prevent injury to woodwork, brass and other metal parts.

No.	Length, In.	Face, In.	Each
2	3 1/4	2	$1 00
3	4	2 5/8	1 50

MACHINISTS' HAMMER HANDLES

Length, inches	12	14	16	18
Per dozen	$1 35	1 35	1 45	1 55

PLIERS

WALL DISPLAY CASE
SMITH & HEMENWAY TOOLS
CRESCENT MANUFACTURE

No WC-1

Handsomely finished oak case of dust-proof construction. Heavy glass panel front securely fastened in door, equipped with lock and key. Case furnished free at the regular price of the tools displayed in it. A tag giving the retail price of each tool is tacked beneath the tool it describes. Each tool fastened to case by a steel strap and small wing nut easily unscrewed, allowing the customer to handle the tool. In this way tools can be sold direct from the case.

The case contains the following

20	4 in. plier	$0.75	1000-K	8 in. pl	$1.00
21	4 in. plier..	.75	1000-K	10 in. pl	1.35
21	[illegible]	.85	1033	6 in. plier..	1.25
22	[illegible]	.85	1650	[illegible] plier	2.60
38	[illegible] plier	1.00	1650	8 in. plier	3.00
40	5 in. plier	1.00	1950	5 in. plier	1.60
50	5 in. plier	1.00	1950	7 in. plier	2.00
50	5 in. plier	1.15	1950	8 in. plier..	2.25
50	6 in. plier	1.25	A-14	4 in. wrench	.75
50	7 in. plier	1.40	A-16	6 in. wrench	.75
50	8 in. plier	1.65	A-18	8 in. wrench	.95
72	[illegible] plier	1.75	A-110	[illegible] wrench	1.20
72	[illegible] plier	1.50	A-112	[illegible] wrench	1.75
265	[illegible] plier	1.00	B 146	4 6 in. wr	1.30
444	[illegible] plier	1.00	B 168	8 8 in. w	1.60
500	[illegible] plier	1.10	B 1810	8 10 in. wr	1.75
542	[illegible] plier	1.50	019	[illegible] wrench	.75
622	[illegible] plier	1.10	M-16	6 in. plier	.75
650	6 in. [illegible]	1.60	L-25	5 in. plier	.50
654	6 in. plier	1.50	L 26	6 in. plier	.50
654	7 in. plier	1.75	D-27	7 in. plier	.60
777	6 in. plier	1.50	J 26	6 in. plier	.60
777	7 in. plier	1.75	H 25	5 in. plier	.30
850	5½ in. plier	1.35	H 28	8 in. plier	.30
925	6 in. plier	1.00	G-25	5 in. plier	.50
925	8 in. plier	1.25	G 26	6 in. plier	.50
925	10 in. plier	1.50	G 28	8 in. plier	.60
942	4 in. plier	1.25	G-210	10 in. plier	.85
942	5 in. plier	1.35			
942	6 in. plier	1.50	Total retail price		$70.55
950	plier	1.60			

No.	Size of case	Wt. of case and contents	Per asst
WC-1	48½x24½ in	106 lbs.	$87.30

CRESCENT DISPLAY CARDS

No. DB-8

This assortment consists of six each No. G-25, 5-inch and No. G-26, 6-inch Motor Kit Pliers together with the display card.

Three pliers of each size are mounted on card as shown, and the remaining three of each size are packed in separate cartons.

No.	Wt. per asst	Per asst
DB-8	5¼ lbs.	$6.56

No DB-10

This assortment consists of six each No. M-16, 6-inch Long Nose Pliers, together with the display card

No.	Wt. per asst	Per ass
DB-10	2¾ lbs.	$0.00

No. DB-11

This assortment consists of three each No. 942, 5 and 6-inch, Red Devil Diagonal Cutting Pliers, together with the display card in two colors.

No.	Wt. per asst.	Per asst
DB-11	2¼ lbs.	$11.34

CRESCENT DISPLAY CARDS

No DB-7

This assortment consists of six each No. L-25, 5-inch and No. L-26, 6 inch Thin Straight Nose Pliers together with the display card. The 5-inch are mounted on the card and the 6-inch are in regular cartons in the package.

No.	Wt. per asst	Per asst
D-B-7	5 lbs.	$7.50

Clean Cut

DISPLAY BOARDS

This assortment consists of one each Nos. 105, 106, 108, 110, 206, 307, 405 and 406 Clean Cut Combination Pliers mounted on an attractive display board.

	Per asst
Clean Cut Plier Display Board..	$6.50

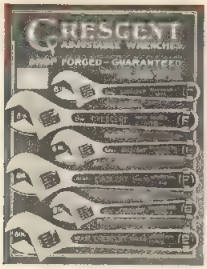
Weight per assortment, 5 lbs.

Note—For description of Pliers, see page 174.

Note—All Crescent Plier Assortments except No. WC-1 are mounted on cards, 8½x11 inches, equipped with a lock easel on the back, which prevents it from falling over on the counter or show case.

CRESCENT TOOL CO. DISPLAY ASSORTMENTS

Help the customer find what he wants and then they sell it to him. Put them to work in your store.



DISPLAY ASSORTMENT DB9

DB9 consists of the following Genuine Crescent Tools:

Six six inch Crescent Wrenches
Six eight inch Crescent Wrenches

Three of each size are mounted on the card, the remainder are packed in individual cartons. Packed one assortment to the box. Shipping weight, 6 1-2 pounds The board measures 8 1-2 x 11 inches. Lock easel back. The tools retail as follows: six inch, 75c; eight inch 95c; total for assortment, $10.20. Billed to the trade at the regular prices of tools alone. No extra charge for the display card.

Net price to dealers $6.79

No. DB5 CRESCENT ADJUSTABLE WRENCH ASSORTMENTS

The assortment contains the following wrenches:

Quan.	Size In.	List Price	Quan.	Size In.	List Price Each
6	4	$ .65	1	15	$2.25
12	6	.65	1	18	3.25
12	8	.80	6	6-8	1.25
6	10	1.00	3	8-10	1.50
3	12	1.50			

This board is made by a furniture manufacturer, of selected quartered oak, five-ply veneered to prevent warping

This assortment is furnished at the regular price of the tools only with no charge for the board.

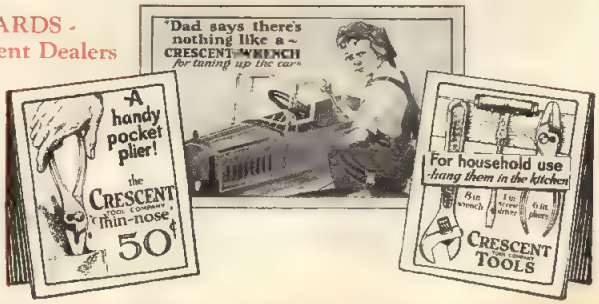
Packed one assortment in a box. Shipping weight, 75 pounds.

Net price to dealers $38.45

WINDOW CARDS - FREE to Crescent Dealers

Write for a set of the new Crescent Duplex Window Cards.

No charge if you sell Crescent tools in your store.


"Dad says there's nothing like a ~ CRESCENT WRENCH for tuning up the car"
"A handy pocket plier!"
the CRESCENT TOOL COMPANY thin-nose 50¢
For household use hang them in the kitchen
CRESCENT TOOLS

No. DB3 CRESCENT ADJUSTABLE WRENCH ASSORTMENTS

This display board is made of heavy cardboard, attractively designed and provided with an easel back which locks and will not fall over on a glass showcase. Size, 8½x11½ inches. A very effective silent salesman whose returns are very large

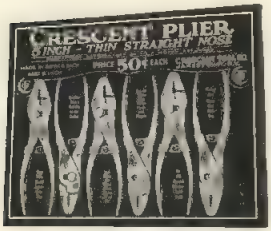
Mounted with six 4-inch Crescent Wrenches

No charge for display board

Packed one assortment in a box. Shipping weight, 1½ pounds.

Net price to dealers - $3.05

ASSORTMENT DB7



PACKED ONE ASSORTMENT IN A BOX
ASSORTMENT WEIGHS 5 POUNDS

THIS assortment consists of one half dozen No. L25 5-inch Thin Straight Nose Pliers and one half dozen L26 6-inch Thin Straight Nose Pliers, together with the display card shown above.

The 5-inch are mounted on the card and the 6-inch are in regular cartons in the package

The display card measures 8½ x 11 inches and is equipped with a lock easel back which prevents it from falling over on the counter or case.

The tools retail for 50 cents each or $6.00 for the lot

The assortment is furnished at the regular price of the dozen pliers with no charge for the display card.

Net price to dealers - $3.75

ASSORTMENT DB8

PACKED ONE ASSORTMENT IN A BOX.
WEIGHT PACKED FOR SHIPMENT, 5¼ lbs.

DB8 consists of one half dozen G25 five inch MoTOR KIT Pliers and one half dozen G26 six inch MoTOR KIT Pliers, together with the display board pictured above.

Three pliers of each size are mounted on the card as shown, and the remaining three of each size are packed in separate cartons.

The display card measures 8½ x 11 inches. It is equipped with a lock-easel back, which prevents the card from falling over on the showcase.

The pliers retail for 50c. each, total for the assortment, $6.00

Assortment DB8 is furnished at regular price of the pliers alone, without extra charge for the display card.

Sales Suggestion - Crescent MoTOR KIT Pliers advertising is impressing people with the idea of buying two pliers,- one for the car and one for the house. Why not suggest this idea to the dealers?

Net price to dealers - $3.25

No. DB6 CRESCENT DOUBLE END WRENCH ASSORTMENTS

This assortment contains one-half dozen 6-8 double end wrenches and the display card.

One of the tools is mounted on the card and five are in the individual cartons

Furnished at the regular price of the tools only, with no charge for the card

Packed one assortment in a box Shipping weight, 5 pounds.

Net price to dealers $5.85

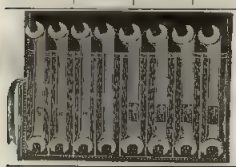
Bonney Chrome Vanadium Drop Forge Wrenches

Valve Tappet Type

Will Fit a Large Number of Tappet Adjustments on Automobiles and Trucks. Each Wrench Has Two Openings of Same Size but with Different Angles. This bit Very Strong Drop Forged from Chrome Vanadium Steel (Heat Treated).

Nickel Finish with Buffed Heads.

No.	Milled Opening	For S. A. E. Nuts Bolt Size	For U. S. S. Nuts Bolt Size	Extreme Length	Thickness of Head	Each Nickel Finished
402	⅜	⅜	⅜	8	9/32	$ .99
402A	⅜	...	...	8	9/32	.99
403	⅜	⅜	...	8	9/32	.99
403A	⅜	⅜	⅜	8	9/32	.99
404	⅝	⅝	...	8	11/32	1.08
405	⅝	⅝	⅝	8	11/32	1.08
406	⅝	⅝	...	8	11/32	1.22
406A	⅝	...	⅝	8	11/32	1.22
407	½	½	½	8	11/32	1.22
407A	½	...	½	8	11/32	1.22



Set of Eight Wrenches in Leatherette Roll

Leatherette Roll, Brown Cloth Bound, Lined with Blue Flannel. Contains:

2—No. **402**, as above described.
2—No. **403**, as above described.
2—No. **404**, as above described.
2—No. **405**, as above described.

Per Set

No. 412A—. **$9.03**

One Roll in a Cardboard Box.

CRESCENT WRENCH DISPLAY

A Half Dozen 4 Inch Crescent Adjustable Single End Wrenches Mounted on Substantial Cardboard Display, 8½ x 11½ Inches, with Easel Back.

Crescent Wrenches are Drop Forged from Special Steel, Carefully Hardened and Tempered. Polished All Over Except Web in Handle, Which is Black Oil Finish.

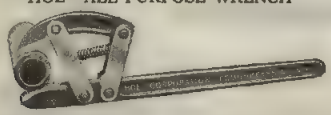
The Wrenches on this Display Have a Capacity of ½ Inch. They Retail at 75 Cents Each

Per Board of Six Wrenches

No. DB3—Retail Value $4.50.. . . . . **$3.05**

One Card in a Box

"HOE" ALL-PURPOSE WRENCH



The Hoe Wrench Will Grip Any Object, Round, Flat, Square, Hexagon or Irregular. Used with One Hand. Its Construction Makes it Particularly Suitable for a Pipe Wrench Which Gives Instant Adjustment.

Handles and Jaws are Drop-Forged Manganese High Carbon Steel, Hardened and Tempered. Pins are Case Hardened, Nickel Steel. The Spring is the Highest Quality Music Wire. The Spring Does No Work, Serves Only to Close Jaw. The Links are Hard Rolled High Carbon Steel, Hardened and Tempered.

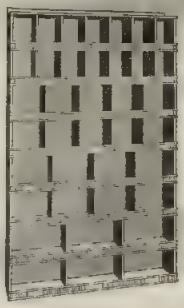
The 6 Inch Wrench Has Wood Handle.

Metal Display Stand FREE with Order for One Dozen or More

Nos.	Takes Diam. Ins.	Each
HW6	½ to ⅝	$ .86
HW8	⅝ to 1⅛	1.00
HW10	⅞ to 1½	1.16
HW14	1⅜ to 2⅛	1.66
HW18	1⅞ to 2¾	2.36
HW24	2⅜ to 3¼	3.56

"ADD-A-BIN"

The New Unit Way of Building Bins



Add-A-Bins are Units of Bins. Furnished in Four Sizes, Out of Which May be Built Cabinets for Holding Bolts, Nuts, Screws, Washers, Ignition and Small Replacement Parts.

Made of Best Grade Steel, Treated to Prevent Rust, Finished in Olive Green Baked On Enamel.

Units are Uniform in Size, 30 Ins. Long x 12 Ins. High x 6 Ins. Deep. Each has a Sliding Lock Feature which Permits it Being Securely Assembled to other Units.

Neat in Appearance and Adds Prestige to Any Store.

The Four Sizes are as Follows:

No. 6 Unit—Contains 6 Bins, each 10 Ins. Wide x 6 Ins. High x 6 Ins. Deep.
No. 8 Unit—Contains 8 Bins, each 7½ Ins. Wide x 6 Ins. High x 6 Ins. Deep.
No. 10 Unit—Contains 10 Bins, each 6 Ins. Wide x 6 Ins. High x 6 Ins. Deep.
No. 14 Unit—Contains 14 Bins, each 4¼ Ins. Wide x 6 Ins. High x 6 Ins. Deep.

Per Unit Any Size $4.25

NEW—MADE BY CRESCENT

CRESCENT ADJUSTABLE WRENCH DISPLAY CARD

An Assortment of One Dozen Crescent Drop Forged Single End Adjustable Wrenches One Half Dozen Each, of Two Sizes 6 and 8 Inches. Three of Each Size Being Mounted on an Attractive Blue Display Card. 8½ x 11 Inches.

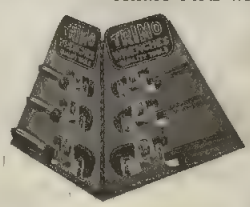
Crescent Construction. Handle Drop Forged from Best Carbon Steel; the Movable Jaws from Special Alloy Steel. Carefully Hardened and Tempered. Polished All Over Except Web in Handle Which is Black Oil Finish.

Per Assortment

No. DB9—One Dozen Wrenches and Display Card **$6.79**

One Assortment in a Carton Weight 8½ Lbs.

TRIMO PIPE WRENCHES



This Metal Self-supporting Display Board, Beautifully Lithographed, will be Given FREE with Order for Six Each of Sizes 6, 8 and 10 Inch Trimo Pipe or Monkey Wrenches.

Every Dealer Should Order One of these and Display it on Counter or in Window. It will Bring to His Store many Wrench Sales.

Trimo Wrenches are Drop Forged from Selected Bar Steel. Carefully made and Interchangeable with All Parts with Similar Wrenches.

Make Your Selections from the Following:

	List Each Wood Handle	Steel Handle
6 Inch Pipe Wrench	$2.00	$2.00
8 " " "	2.25	2.25
10 " " "	2.50	2.50

Discount 60-10%

Bemis & Call Adjustable Auto Wrench

Strong, Drop Forged Steel Jaws Offset 22½ Degrees. Polished Head and Japanned Handles.

No. 75

Length, Inches	Weight Per Dozen Pounds	Per Dozen
6	5½	$5.15
8	12	6.45
10	23	7.70

Half Dozen in a Box

CRESCENT ADJUSTABLE WRENCHES

Double End

Handle Drop Forged from Best Carbon Steel, the Movable Jaws from Special Alloy Steel Carefully Hardened and Tempered Polished All Over Except Web in Handle, which is Black Oil Finish.

Nos.	Capacity, Ins	Size	Per Dozen
GC46	½— ¾	4— 6	$10.30
GC68	¾ - 1¼	6— 8	11.70
GC810	1¼—1½	8—10	14.04
GC1012	1½—1¾	10—12	18.72

One in a Carton, Half Dozen in a Box.

PERFECT HANDLE SCREW WRENCHES

Bar Drop Forged from One Piece of Bar Steel. Hardened Jaws. Strengthening Yoke at Back of Sliding Jaw. Steel Adjusting Screw. Handle Frame is Closed under Pressure against Plain Hardwood Handle and Double Riveted

No. P.H. 615

Length Inches	Jaws, Open Inches	Wt. Per Dozen Lbs.	Per Dozen
6	1½	11	$ 7.50
8	1¾	20	9.00
10	2⅛	33	11.00
12	2½	47	14.00
15	2⅞	65	16.00
18	3⅜	100	24.00
21	4	155	29.00

6 to 12 Inch, Half Dozen, 15 to 18 Inch, Third Dozen, 21 Inch Twelfth Dozen in a Box.

AGRICULTURAL WRENCH

HIGH GRADE HEAVY

Made from Best Wrought Iron, Jaws Case Hardened. Wrought Iron Adjusting Screw. Plain Hardwood Handle. Shank Extends Through Handle and Screws in Cap on End

No. 100

Length Inches	Jaws, Open Inches	Very Special In Full Doz. Lots Per Dozen
6	1¼	$3.80
8	1¾	4.56
10	1⅞	5.32
12	2⅛	6.84
15	2½	9.12

Half Dozen in a Package

STILLSON PATTERN WRENCHES

DISCOUNT 70-10-7½%

Forged From the Highest Grade Tool Steel, and are Interchangeable With Similar Wrenches. Each Wrench is Thoroughly Tested

Size.	Wood Handles List Each	Steel Handles List Each
6 inch.	$2 00	$2 00
" 8 "	2 25	2 25
" 10 "	2 50	2 50
" 12 "	3 25	3 25
" 14 "	3 50	3 50
" 18 "		5 00
" 24 "		7 25
" 36 "		13 50
" 48 "		20 00

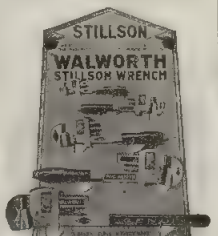
GENUINE WALWORTH STILLSON WRENCHES

Drop Forged Steel hardened jaws. The well known genuine "Walworth" steadily advertised

Size	Wood Handles List Each	Steel Handles List Each
6 inch	$ 2 00	$2 00
" 8 "	2 25	2 25
" 10 "	2 50	2 50
" 14 "	3 50	3 50
" 18 "		5 00
" 24 "		7 25
" 36 "		13 50
" 48 "		20 00

Discount 66 ⅔%

GENUINE WALWORTH STILLSON WRENCH STAND



This Display Stands (14 Inches Wide, 19½ Inches High) Lithographed in Colors furnished FREE with the following Genuine Stillson Wrenches:

2-6 Inch Wrenches, Wood Handle
3-8 " " " "
2-10 " " " "
3-14 " " " "
1-18 " " Steel "

No. 33—One Dozen Wrenches and Board

Per Asst. $11.25

Display Stand will Hold One Each of All Sizes in the Assortment. One Assortment in a Case

WALWORTH STILLSON WRENCH

The genuine 10 Inch Walworth Stillson Wrench with the New Lacquer Finish Which Prevents Rust and Does Away with Oily Mussy Finish. The Handy Wrench for the Home.

No.	Size	Per Dozen
No. 10—10 Inch	Size Only	$10.08
One in a Box.	Sis in an Attractive Display Carton. One Dozen Wrenches in a Box	

"COES" KNIFE HANDLE WRENCHES

Each Wrench is Oiled to Prevent Rust, and Done Up Individually in Paper, the Package is Tied and Labeled. Forged Steel, One Piece Head and Bar, Oil Finished; Hardened Semi-Steel Side Bar and Handle Frame, Machine Cut Steel Screw with Knurled Head, Hardwood Handle Sides, Secured at Both Ends by Insertion Under Metal and Riveted Under Pressure

No. 300

Length Ins.	Jaws Open Ins.	Wt. Per Dos. Lbs.	Case Contains Dos.	Wt. of Case Lbs.	Per Doz.
6	⅝	9	6	60	$8.10
8	1⅛	16	6	100	9.72
10	1⅝	25	6	160	11.88
12	2⅛	38	6	240	15 12
15	2½	55	2	185	20.52
18	3	80	2	170	25 92
21	4¼	108	1	115	31.32

6 to 12 Inch, Half Dozen; Other Sizes, Third Dozen in a Package.

PUNCH ASSORTMENT

Hand Forged Steel Punches, Tempered Knurled Body Consists of Two Dozen, Assorted Styles and Sizes as Follows

8 Solid Punches, and Center Punches, 2 Prick Punches, 10 Pin Punches

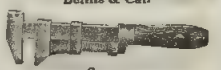
Per Assortment of Two Dozen

No. 490 . . . . . $3.90

One Assortment in a Wooden Box with Holes in Cover to Set Up as Illustrated.

WRENCHES

Bemis & Call



Screw

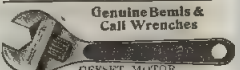
Handle, Frame and Bolster All in One Piece. Bar Drop Forged from Special Steel. Slide is Semi-Steel. Solid Operating Screw. Hardwood Handle Sides, Riveted.

No. 62

Length Inches	Jaws, Open Inches	Weight Per Dozen Pounds	Per Dozen
6	⅝	3½	$ 8.25
8	1¼	15	9.85
10	1⅝	30	12.05
12	2⅛	40	15.35
15	2⅝	66	20.80
18	3	78	26.25
21	4¼	109	31.75

6 to 18 Inch, Half Dozen, 21 Inch, Sixth Dozen in a Box

Genuine Bemis & Call Wrenches



OFFSET MOTOR

Jaws Made Thin Enough for Check Nuts and Close Connected Spaces, and are Adapted for Hexagon as Well as Square Nuts. Made from Best Materials, Carefully Tempered. Handle and Head Highly Polished.

No. 80

Length Ins.	4	6	8	10	12
Per Doz. Net	$5.85	5.85	7.20	9.00	13.50

Half dozen in a wooden box.

ADJUSTABLE "S" WRENCH

Drop Forged Steel Sliding Jaws, Sides Polished. Thumb Adjustment. Black Japanned Handle.

No. B. S. W.

Leth No.	Ins.	Opening, Ins.	Per Dozen
SN 6	6	3/4	$ 4.80
SN 8	8		6 00
SN10	10	1 3/8	7.20
SN12	12	1 5/8	11.80

Half Dozen in a Wooden Box

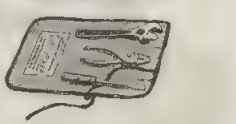
Perfect Handle PIPE WRENCHES

Bar is a solid one-piece drop forging Solid waterproof handle, with swel, at end, giving operator the benefit of additional leverage.

Nos.	643/10	643/14	643/18
Length, inches	10	14	18
Adjustable, inches	⅜ to 1	½ to 1½	½ to 2
Wt., each, about lbs.	1½	3½	5½
Each	65c.	$1.00	$1.45

Half dozen in a box.

CRESCENT TOOL KITS



Consists of 1 Pair Crescent 6 Inch Thin, Straight Nose Pliers, of Hardened Steel, Nickel Plated, 1 Crescent Drop Forged 8 Inch Adjustable Wrench, Capacity 1⅛ Inch, and 1 Crescent T-Handle Screw Driver with 4 Inch Blade all in a Brown Canvas Kit

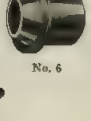
No.		Each
TK31	—Kit and Tools Retails	$2.35 $1.57

LAWN MOWER REPAIR PARTS
FOR CRESTLAWN MOWER

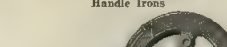
No. C 6—10

No. A 63

No. 34

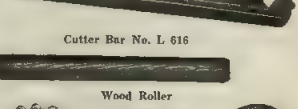

No. 6

Self-Adjusting Ball Bearings Complete

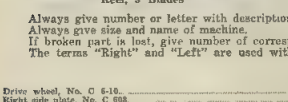

Handle Irons

No. C 603

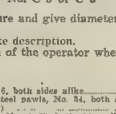
No. C 604

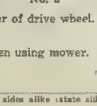

Cutter Bar No. L 616

Wood Roller


Reel, 5 Blades

No. 4


No. C 5 or C 6


No. 3

No. 42

Always give number or letter with description of parts wanted. Be sure and give diameter of drive wheel.
Always give size and name of machine.
If broken part is lost, give number of corresponding part and complete description.
The terms "Right" and "Left" are used with relation to the position of the operator when using mower.

	Weight Pounds	Each
Drive wheel, No. C 6-16	8	$3.00
Right side plate, No. C 603	8¼	2.00
Left side plate, No. C 604	6½	3.00
Reel, 5 blades, complete, all sizes (state size of mower, number of blades, and cutter bar number), express only		7.50
Cutter bar, complete, with lipped [L 614	4½	3.00
edge steel blade (state size [L 616	5¾	3.00
wanted, give number appearing [L 618	6½	3.00
on cutter bar) [L 620	6½	3.00
Handle irons, both sides alike (state side plate and cutter bar number)	½ pair	.60
Shrub rod (state cutter bar number)	5	1.00
Extra reel blade (state cutter bar number)	3	1.00
Wood roller, all sizes (state side plate and cutter bar number)	2	.50
Wood handle, complete, express only		2.50
Wrench	7/16	.25
Steel wheel spindle, complete	5	2.50
Roller arms, No. 4, both sides alike	½	.20
Pinion, right C 5 left C 6	¼	.25

	Weight Ounces	Each
Cones, No. 6, both sides alike	2	$0.30
Hardened steel pawls, No. 34, both sides alike (state side plate number)	1	.10
Pinion cap, No. A 63, both sides alike	2	.15
Ball bearing case, No. 5, both sides alike	3	.40
Ball retainer, No. 42, for drive wheel, both sides alike, with balls (Extra balls 5c each)	2	.50
Cutter bar adjusting bolts, with nuts	1	.05
Roller arm bolts, with nuts	1	.05
Handle iron bolts, with nuts	2	.05
Handle grip joint bolt, with nut	2	.10
Stationary cone for wheel (give number of wheel)	1	.50
Outside adjusting cone for wheel (give number of wheel)	2	.50
Upper handle cap	2	.10
Lower handle cap	4	.20
Shrub rod nuts	1	.05
Cutter bar adjusting nuts	1	.05
Metallic sleeve for ball bearing device	1	.30
Springs for ball bearing device	1	.20
Pinion cap machine screws, with nut	1	.05

Prior to 1912 the following numbers were used
C 61 Right side plate
C 62 Left side plate
No. 7 Right cone
No. 8 Left cone

Prior to 1911 the following numbers were used:
A 060 Drive wheel (both alike)
A 61 Right disc
A 62 Left disc
L 16 16-in cutter bar, complete with steel blade
L 18 18-in cutter bar, complete with steel blade
L 14 14-in cutter bar, complete with steel blade

Prior to 1923 the following numbers were used
C 63 Right side plate
C 64 Left side plate
C 15 Right pinion
C 16 Left pinion
No. 1012 pawl.

FOR VULCAN MOWER

	Weight Pounds	Each
Drive wheel, No. 24—10-E	7	$2.00
Right hand side plate, No. 441	4¾	2.00
Left hand side plate, No. 440	4½	2.00
Reel, 5 blades, complete, all sizes (state size of mower, number of blades and cutter bar number), express only		5.50
Cutter bar, complete with steel [A 612	3¼	2.00
blade (state size wanted, give [A 6-4	3½	2.00
number appearing on cutter [A 616	4	2.00
bar) [A 618	4½	2.00
[A 620	4½	2.00
Handle irons, both sides alike (state size of mower and cutter bar number)	3½ pair	.80
Shrub rod (state cutter bar number)	5	1.00
Extra reel blade (state cutter bar number)	3	1.00
Wood roller all sizes (state size wanted and cutter bar number)	2	.80
Wood handle, complete, express only		1.50
Wrench	7/16	.10
Pinion, right 55, left 66	½	.25

	Weight Ounces	Each
Roller arms, No. 4, both sides alike	2	.20
Cones, No. 2, both sides alike	2	.50
Wheel washers, No. A both sides alike	1	.10
Pinion cap, No. 3, both sides alike	2	.15
Hardened steel pawls, No. 916, both sides alike (state side plate number)	1	.10
Ball bearing case, No. 1, both sides alike	1	.40
Ball retainers, No. 7, both sides alike, with balls (Extra balls, 5c each)	2	.50
Cutter bar adjusting screws	1	.05
Cutter bar pivotal screws	1	.05
Roller arm bolts, with nuts	1	.05
Pinion cap machine screws, with nuts	1	.05
Set screws for fastening side plate to axle rod	1	.05
Handle iron bolts, with nuts	2	.05
Handle grip joint bolt, with nut	2	.10
Upper handle cap	2	.10
Lower handle cap	4	.20
Springs for ball bearing device	1	.20
Metallic sleeve for ball bearing device	1	.20

LAWN MOWER REPAIR PARTS

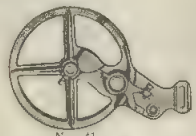
FOR ADMIRAL MOWER

Self-Adjusting Ball Bearings 4 Blades

No. 34-10

No. 3

No. 4


No. 441

No. 442

Wood Roller

Cutter Bar No. A614

Handle Irons

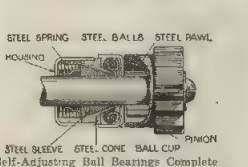
No. 55

No. 55 or 66

No. 1

No. 916

No. 2



Self-Adjusting Ball Bearings Complete

Reel, 4 Blades

Always give NUMBER or LETTER with description of parts wanted.
Always give SIZE and NAME of machine.
If broken part is lost, give number of corresponding part and complete description.
The terms "Right" and "Left" are used with relation to the position of the operator when using mower

Be Sure and Give Diameter of Drive Wheel

PRICE LIST

	Weight	Parcel Post or Express	
Drive wheel, No. 34—10 (letter cast in wheel is A)	7 lbs., each	$2.00	
Right hand side plate, No. 441	4½ lbs., each	2 00	
Left hand side plate, No. 442	4½ lbs., each	2 00	
Reel, 4 blades, complete, all sizes (state size of mower, number of blades and cutter bar number), express only	each	5 50	
Cutter bar, complete, with steel blade (state size wanted, give number appearing on cutter bar) A 612	3½ lbs., each	2.00	
A 614	3¾ lbs., each	2 00	
A 616	4 lbs., each	2 00	
A 618	4¼ lbs., each	2 00	
A 620	4½ lbs., each	2.00	
Handle irons, both sides alike (state size of mower and cutter bar number)	3½ lbs., pair	.60	
Shrub rod (state cutter bar number)	5 lbs., each	1.00	
Extra reel blade (state cutter bar number)	3 lbs., each	1.00	
Wood roller, all sizes (state size wanted and cutter bar number)	2 lbs., each	.50	
Wrench	7 oz., each	.10	
Wood handle, complete, express only	each	1.60	

	Weight	Mail
Pinion, right 55, left 66	4 oz., each	$0.25
Roller arms, No. 4, both sides alike	4 oz., each	.20
Cones, No. 2, both sides alike	2 oz. each	50
Wheel washers, No. A, both sides alike	1 oz., each	10
Pinion cap, No. 3, both sides alike	2 oz. each	.15
Hardened steel pawls, No. 916, both sides alike (state side plate number)	1 oz., each	10
Ball bearing case, No. 1, both sides alike	1 oz. each	40
Ball retainer, No. 27, both sides alike, with balls (Extra balls, 5c each)	2 oz., each	.50
Cutter bar adjusting screws	1 oz., each	05
Cutter bar pivotal screws	1 oz., each	05
Roller arm bolts, with nuts	1 oz., each	05
Pinion cap machine screws, with nuts	1 oz., each	05
Set screws for fastening side plate to axle rod	1 oz., each	.05
Handle iron bolts, with nuts	2 oz., each	.05
Handle grip joint bolt, with nut	2 oz., each	.10
Upper handle cap	2 oz., each	.10
Lower handle cap	4 oz., each	.20
Springs for ball bearing device	1 oz. each	.20
Metallic sleeve for ball bearing device	1 oz., each	.30

Prior to 1916 the following numbers were used:
- 41 Right hand side plate
- 42 Left hand side plate
- Cutter bars: B 612, B 614, B 616, B 618, B 620

Prior to 1915 Pawl No. 0 was used

Prior to 1912 the following numbers applied:
- No. 5 Right hand cone 612
- No. 6 Left hand cone 614

Prior to 1911 the following cutter bars were used: 616, 618, 620

Prior to 1922 the following numbers were used:
- 411 Right side plate
- 422 Left side plate
- B 5 Right pinion
- B 6 Left pinion
- No. 15 pawl

Now Hear Radio Music Better Than Ever Before

By the end of this year, we expect to see the beautiful new Crosley Musicone replace at least half a million of the best of present-day radio reproducing devices.

For the Crosley Musicone, designed and built on entirely new principles, covered by *basic patents* issued and pending, reproduces music and the speaking voice *true to life* - -

Without distortion, extraneous overtones, resonance vibrations or other horn noises;

Over the *entire* musical scale, from lowest to highest notes, on *any* instrument;

Without overloading; and without chattering, because its diaphragm is a floating cone;

Without adjustments or additional batteries;

Without directional properties or a horn;

And at a price that is revolutionary.

Ten thousand radio dealers are now displaying and demonstrating the beautiful Crosley Musicone.

Order Crosley Musicones from your jobber today. Here is one of the fastest profit-making radio devices on the market.

Crosley owns and operates station WLW, Cincinnati, the first remotely controlled super-power broadcasting station.

The Crosley Radio Corporation
6131 Sassafras Street, Cincinnati
Powel Crosley, Jr., President

Guarantee

Dealers are authorized to sell the Crosley Musicone on five days' trial in your home. Satisfaction guaranteed or money refunded upon return.

Crosley manufactures receiving sets which are licensed under Armstrong U. S. Patent No 1,113,149 and priced from $14.50 to $65, without accessories.

17.50

Add 10% west of Rocky Mountains.

The Crosley Musicone is artistically beautiful—an ornament in any home. Write for complete description.

Crosley
Super-Tridyn Special

The improved Super-Tridyn panel is assembled in a new, solid mahogany cabinet finished in duotone. This cabinet with its striking lines and simple detail decoration is of ample size to house all dry batteries required for dry cell tube operation **$60.00**

Performance
That Has No Peer in Any Field of Radio

Since the announcement of the present new Crosley models, Crosley sales have been leaping to sensational figures, literally taxing the production facilities of all Crosley plants.

This new leadership in sales is based on Crosley's new leadership in value; and this latter resolves itself into two simple propositions:

Crosley sets consistently deliver a performance that has no peer in any field of radio—and this matchless performance is offered at the lower prices that only the economies of tremendous production make possible!

On this page are shown four of the new Crosleys—the two famous Super Tridyns and the two Special De Luxe models. Not only do they offer an effective beauty and accurate workmanship, but they provide a performance that cannot be surpassed in the $23.50-$60 price range or many dollars above it!

Make your own comparison on the basis of selectivity, distance, clarity, and volume. Place the competing receivers side by side with lead-ins from the same antenna, and put them through their paces.

Forget the radical difference in price. Reach your conclusion solely on results. Then and only then will you understand why thousands upon thousands of radio buyers are singling these Crosleys out of the entire field—unwilling to pay more because a greater investment cannot provide greater enjoyment.

See the complete Crosley line at the nearest Crosley dealer's. Address Department 131 for his name and our illustrated catalogue.

THE CROSLEY RADIO CORPORATION
CINCINNATI, OHIO
Cable Address: Listenin-Cincinnati

Owning and operating WLW, first remote control super-power broadcasting station.

Crosley manufactures receiving sets which are licensed under Armstrong U. S. patent No. 1,113,-149 and priced from $9.75 to $60.00 without accessories. None of the prices quoted include batteries, tubes, headphones, etc. Add 10% to all prices west of the Rocky Mountains.

Crosley
Super-Tridyn Regular

Incorporating the famous Tridyn hook-up, this set brings in stations sharp, clear, and mellow on the Musicone. The cabinet is of oil rubbed solid mahogany, exquisitely simple in design and beautifully finished for sheer performance under all conditions the Super Tridyn cannot be surpassed **$45.00**

Crosley
3-Tube 52 S. D.

In this improved model are introduced radical refinements that increase its general efficiency. Refinement of parts and improvements in design have made it a truly remarkable value considering its nominal price. Genuine Armstrong regeneration with the double circuit to reduce radiation to a minimum. Beautifully proportioned with attractive sloping panel. Cabinet holds all necessary dry cells. A genuine long range radio, easy to tune, easy to enjoy, and easy to pay for..... **$32.50**

Crosley
2-Tube 51 S. D.

This superb long range set combines Armstrong regeneration and one stage of audio frequency amplification. The handsome mahogany finished cabinet, with sloping panel, holds all required dry batteries. Improvements include new worm type Hekler, new vernier plate condenser, and a new circuit to minimize radiation. Unusual selectivity and distance extremely easy of control. **$23.50**

We solicit inquiries from dealers interested in our sales and service station franchise.

CROSLEY·RADIO
BETTER · COSTS LESS

CUCKOO CLOCKS

60W105

Miniature Clock, height 6½ inches, 2½-inch dial, carved and ornamented case of walnut wood, natural finish, winds by weights, brass works. A fine article for premium use.
No. 60W105.
Each..... .75
Per dozen..... 8.50

Cuckoo Clocks, height 17½ inches, width 13 inches, 4½-inch dial, half-hour strike with cuckoo, winds with weights, white ivorized hands and figures, fancy carved heavy walnut case and pendulum. The best buy in cuckoo clocks.
No. 60W125. Each.... 7.50

Clock. Revere, mahogany finish case with glass panels in colors, 35½ inches long, 10 inches wide, 8-day time.
No. 60W208.
Each.. .. .. 10.75

Oak lever, 8 day, 6 inch chime movement, guaranteed by the Waterbury Clock Co., to be a good timekeeper.

No. 60W242. Each.... 4.25

Oak lever, 8 day, 8 inch chime movement, guaranteed by the Waterbury Clock Co., to be a good timekeeper.

No. 60W243. Each.... 5.10

The Harmony Musical Clock

A NEW DEPARTURE IN CLOCKS

The most beautiful and artistic design ever originated. It is not only an accurate timekeeper but also affords a great deal of pleasure as the musical part can be played as desired, independent of the clock which need not be disturbed. It is also an ornament and will add charm and grace to any room in the home.

A great deal of time, thought and study have been expended to make this a decidedly novel, useful, ornamental and desirable article. It is sure to become exceedingly popular.

Patent Applied For

Harmony Musical Clock, solid metal case, gold finish, height 11 inches, width 5 inches. This clock was originated and designed by us and is a strictly high-class article. The workmanship is unexcelled and it is the only clock of its kind on the market. The two figures of cherubs in the upper panel are well proportioned in bas relief. The ribbon streamer is attached to a lyre occupying the upper center of case. Directly under the cherubs are life-like bust figures of Wagner and Beethoven, the great composers; between these is a sheet of music showing cleff and notes. The oval border in center is neatly executed in a fancy scroll design. The lower half of case is an exquisite design of trees and mountains, producing a beautiful scenic effect. The figure playing harp is in bas relief and perfect proportion. The movement is guaranteed. A German made, 32-hour time, 2½ inch dial easily read from a considerable distance.

Below the movement is fitted a well constructed music box which play two different tunes. This is independent of clock and can be wound and played whenever desired, which is a very desirable feature. The clock is certain to appeal strongly to all lovers of music, which means almost everybody. It is suitable for use in parlor, den, or living room, and is so artistic that it will harmonize with any color scheme or style of furniture.

No. 60W72 Each..... 4.25

Ansonia and Gilbert Clocks

Ansonia 8-Day Mahogany Clocks

Clock. Tambour shape, mahogany finish with ivoroid dial, 8-day one-half hour strike on a cathedral chime rod, height 9½ inches, width 17½ inches
No. 60W204. Each..... 8.65

Clock. Tambour shape, mahogany finish with ivoroid dial, 8-day one-half hour strike on a cathedral chime rod, height 9½ inches, width 17½ inches
No. 60W205. Each..... 8.85

8-Day Mahogany Clock

8-Day Clock. Mahogany finished case, 12⅝ inches high, 8½ inches wide, 5-inch decorated dial convex glass, 8-day time movement, an exceptional number for carnival trade.
No. 60W179. Each..... 3.75

Tambour Clock. Mahogany finished case, 16¼ inches wide, 8½ inches high, 5-inch wide dial, convex glass, 8-day lever time movement, an exceptional number at a [illegible]
No. 60W180. [illegible] 3.75

Gilbert 8-Day Mantel Clocks

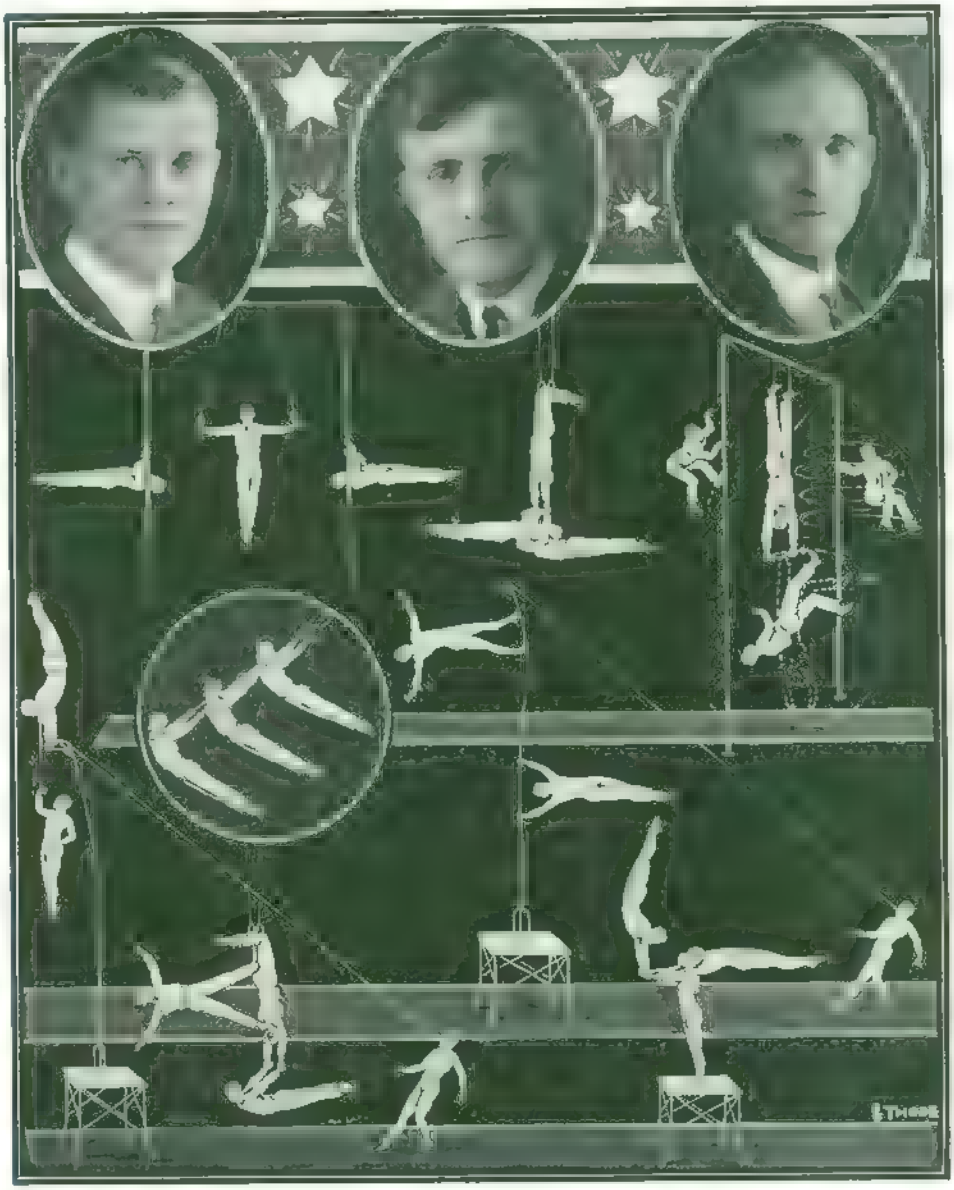
Clock. Tambour shape, mahogany finish, dependable 8-day pendulum movement, opaque dial, arabic and gold-finished Gilwin sash with Normandy chimes, height 10½ inches, width 20½ inches
No. 60W207. Each..... 11.90

Clock. Tambour shape, mahogany finish, opaque dial, gold-finished Gilwin sash and Gilbert 8-day pendulum movement with Normandy chimes, height 9 inches, width 21 inches
No. 60W206. Each..... 12.45

A TRIO of INTREPID SUPER-ATHLETES

THREE FALCONS

In Two Entirely Dissimilar Exhibitions



Act 1—Bewildering Mid-Air Aerialistics, Brimful with Convulsingly Comic Situations

Act 2—Dental Feats on a Standing Perch Performed with BRILLIANT SPEED and SKILL

TWO DISTINCTLY DIFFERENT ACTS

Curtis' Animal Circus

A REAL HODGE-PODGE OF FUN AND SKILL

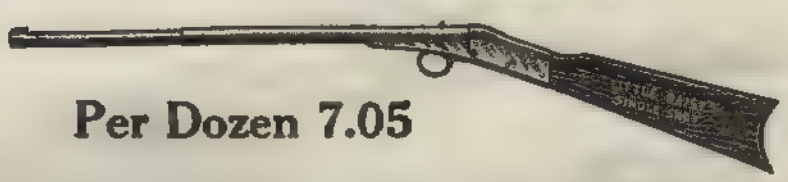
Act 1—DOGS AND PONIES in Most Difficult Tricks
Featuring High and Lofty Tumbling by Canine Acrobats

Act 2—THE SCREAMINGLY FUNNY TAXIMETER ACT
INTRODUCING "DANGER" THE TOUGHEST MULE ON EARTH

THE SENSATIONAL HIT OF OUR 1924 FAIR SEASON

EVERY ACT IN THIS CATALOG CONTROLLED EXCLUSIVELY BY WORLD AMUSEMENT SERVICE ASSOCIATION, Inc.
"SERVICE and SATISFACTION"

DAISY AIR RIFLES



Per Dozen 7.05

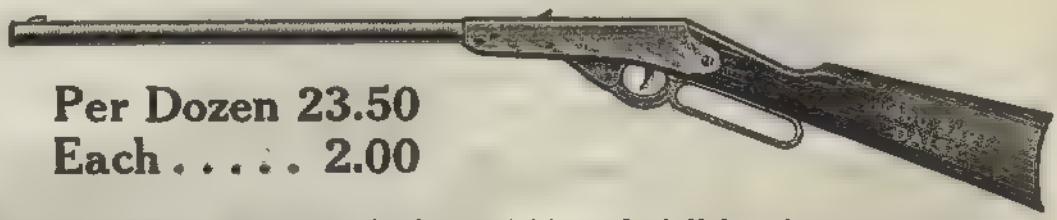
No. 3C121. Daisy Air Rifle. Break down action, steel parts in blued finish, walnut stained stock, well constructed. Will give satisfaction. Length 29½ in. Weight 1 lb., 2 oz. One dozen in box
Per dozen 7.05

Per Dozen 15.75
Each 1.35

No. 3C122. Daisy 350-Shot Air Rifle. Automatic repeater, with lever action. Magazine holds 350 air rifle shots. Beautiful walnut finished stock, nickel plated one-piece barrel and sides. Length 31½ in. Weight 1 lb., 12 oz. One dozen in case.
Per dozen..... 15.75 | Each..... 1.35

Per Dozen 18.75
Each 1.65

No. 3C184. Daisy 500-Shot Air Rifle. Automatic repeater with lever action. Magazine holds 500 Air Rifle shots. All metal parts blued steel. Length 33 inches, weight 2 lbs., 7 ounces. ½ dozen in case.
Per dozen..... 18.75 | Each..... 1.65



Per Dozen 23.50
Each 2.00

No. 3C123. Daisy, 1,000-Shot Air Rifle. The metal parts are beautifully nickel plated. A beautifully finished, strictly high grade air rifle. Weight 2 lbs., 9 oz. One-half dozen in a case.
Per dozen..... 23.50 Each 2.00

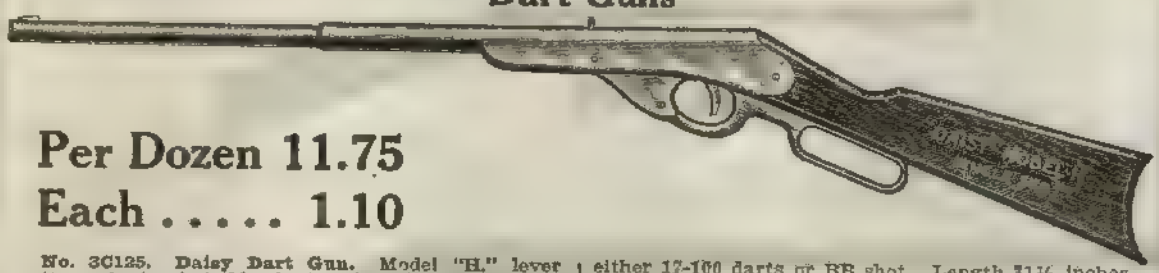
PUMP ACTION DAISY

Each 3.35

No. 3C124. Take-down Model. Operates by pulling the slide toward the stock. Metal parts in non-rusting gun blue; stock, genuine black walnut, hand polished. Shoots BB shot. Length 37 inches; weight 3¼ lbs. Each..... 3.35

Dart and Cork Shooting Air Rifles

Dart Guns



Per Dozen 11.75
Each 1.10

No. 3C125. Daisy Dart Gun. Model "H." lever action, single shot, blued steel barrel. Walnut finished stock. Shooting barrel removable and shoots either 17-100 darts or BB shot. Length 31½ inches, weight 1 pound, 12 oz.
Dozen ..... 11.75 | Each 1.10

Cork Shooting Pump Action Daisy

Each 3.75

No. 3C181. Daisy Cork-Shooting Pump Gun, Take-down Model. Operates by pulling the slide toward the stock. Metal parts in non-rusting gun blue; stock, genuine black walnut, hand polished. Made to shoot corks. Length 37 inches; weight 3¼ lbs.
Each 3.75
No. 3C182. Corks to fit No. 3C181 Gun. 500 in bag
Per 1,000 ..... 2.00

Quackenbuch Dart Gun

Each 5.50

No. 3C128. Quackenbuch Dart Gun. All parts are made of steel, except inner brass barrel; walnut finish stock. May be taken apart for cleaning or packing. Loads easily and quickly. Shoots .175 in. darts and common shot. This gun has tempered sear, quick mainspring, adjustable trigger, full and plain open sight. Length 38 inches; weight 2⅝ pounds.
Each 5.50

Corks for Cork Guns

Corks to Fit Daisy Cork-Shooting Pump Gun. 500 in bag.
No. 3C182. Per 1,000 ..... 2.00

Darts for Dart Guns

No. 3C163. Darts. Best for target or shooting galleries; assorted colors. One dozen in envelope

Per gross.. 2.00 Per dozen.. .18

Feather Darts

Weighted

Why bother with darts not made scientifically? These darts are made for professional use. The weight is accurately placed and is exact. The feathers are true and even. The steel point is tempered so as not to break.

No. 31N25.
Per gross.. 7.50 | Per dozen.. .65

Clay Birds

Clay Birds. No shooting gallery is complete without them. A very popular item that attracts the Target Shooter. Has hole in bottom, so that it may be placed on pin. Size 2½ x 3¾ inches. Packed one gross in box.
No. 10519.
Per gross..... .95

Celluloid Ball

Celluloid Ball. Style and size used by shooting galleries. They have a fascination that seems to be enjoyed by the Target Shooter. Made of good quality celluloid in two contrasting colors. Size ⅝ of an in. diameter. One gross in box.
No. 3N74 Per gross 1.00

Book Ends

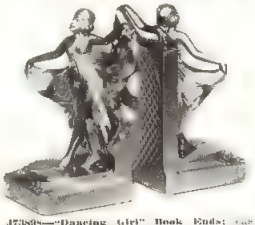
J73803—The "Thinker" Book Ends: heavy cast bronze metal, verde bronze finish, a perfect reproduction; height 9 inches, width at base 4 inches ..... **Set 15 00**

J73814—Book Ends, "The End of the Trail", fine cast cast bronze metal, verde bronze finish, finely modeled; height 8 inches **Set 20 00**

J73895—"Dante" Book Ends: cast [illegible] metal, gold bronze and platinum finish, height 6 inches, width at base [illegible] inches **Set 8 50**

J73896—"Shakespeare" Book Ends: heavy cast metal, bronze finish, height 5¾ inches, width 4⅝ inches, a fine model **Set 8 50**

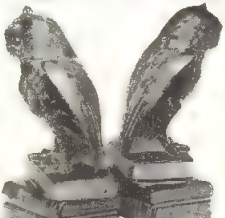
J73897—Composition Book Ends, art bronze finish, height 5 inches, width at base 3 inches **Set 4 50**



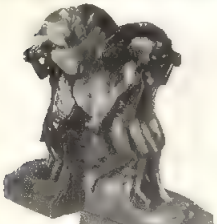
J73898—"Dancing Girl" Book Ends: cast metal, [illegible] enameled, colored and new style lustre finish, in gilt [illegible] inches, width at base [illegible] inches **Set 10 00**

J73899—Owl Book Ends, cast metal, oxidized silver plated yellow eyes, height 6 inches, width at base 3 inches **Set 7 50**

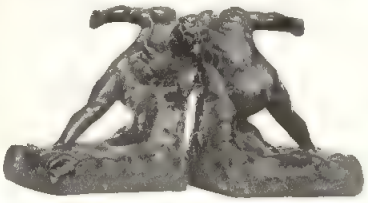
J73900—"Lincoln" Book Ends: heavy cast bronze metal, verde bronze finish, a fine reproduction, height 7 inches; width 5¾ inches **Set 22 50**



J73901—Owl Book Ends: cast metal, [illegible] art bronze finish, the [illegible] [illegible] gilt leaves, height 9 inches, width at base [illegible] inches **Set 13 50**



J73902—"Paul and Virginia" Book Ends: cast metal, [illegible] silver plated with a [illegible] [illegible] French grey finish, a very handsome set, height 8 inches, width 4 inches **Set 16 50**



J73903—The "Gladiator" Book Ends: cast bronze metal, verde bronze finish, a perfect reproduction, height 7 inches, width at base 6 inches **Set 15 00**

J73904—"Top of the World" Book Ends: cast bronze finish, bas relief figure, height 4 inches, width 5¼ inches **Set 4 50**

BASE BALL GOODS

INDOOR BALLS

GOLDSMITH

OFFICIAL OUTSEAM PLAYGROUND

No. 90

OFFICIAL INDOOR LEAGUE

No. 100

OFFICIAL OUTSEAM PLAYGROUND

Strictly hand made throughout, with extra hard Java kapok center, heavy linen stitched and cowhide cover. The most durable and substantial ball made for this purpose. Guaranteed for 18 innings

No.	Circumference	Wt. each	Each
90	9 in.	4½ ozs.	$1.25
90	12 in.	6 ozs.	1.75
90	14 in.	8 ozs.	2.00

OFFICIAL INDOOR LEAGUE

Official indoor league ball. Used also for outdoor games. Kapok center. Heavy cowhide cover. Guaranteed for eighteen innings against ripping or losing its shape.

No.	Circumference	Wt. each	Each
100	12 in.	6 ozs.	$1.50
100	14 in.	8 ozs.	1.75

Above, one in a box.

ARMORY LEAGUE

No. 25

INDOOR PRACTICE

No. 28

ARMORY LEAGUE

Armory League Ball. Firm, durable center, extra well wrapped with yarn and carefully stitched. Selected cowhide cover. Hand stitched with red linen cord.

No.	Circumference	Wt. each	Each
25	12 in.	5 ozs	$1.00
25	14 in.	8 ozs.	1.25

One in a box

INDOOR PRACTICE

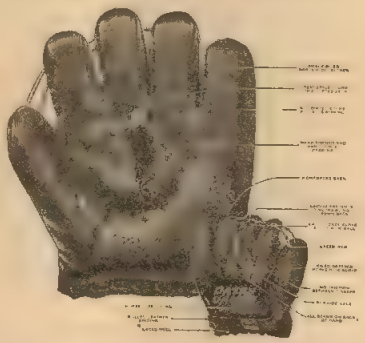
Practice Indoor Ball. A good ball for practice. Very strong and durable. Pearl leather cover. Hand stitched with red linen cord.

No.	Circumference	Wt. each	Each
28	12 in.	5⅛ ozs.	$0.65

Twelve in a box.

FIELDERS' GLOVES

DAZZY VANCE



The Dazzy Vance model is made of the very finest oiled horsehide with a horsehide lining. The hand sewed padding is broke in ready for play. This glove is a patented model and has many exclusive features. Latest style thumb with diverted seam, reinforced back. Rawhide laced fingers, which prevents the fingers from being thrown back and which also causes the glove to close at touch of the ball. All seams on back of hand. Rolled leather binding and laced heel. Carried with short, medium or long fingers. Infielders use short and medium, outfielders medium and long fingered gloves.

	Wt. each	Each
Dazzy Vance	1 lb.	$8.50

One in a box.

GOLDSMITH

MODEL KB

Hans Wagner Model, large and easy fitting. Made of the finest tan horsehide. Ready broke for immediate use. Full kid lined and padded with best quality imperial felt. Laced wrist to permit adjusting of padding.

	Wt. each	Each
Model KB	1 lb.	$8.50

One in a box.

NEW FORMATIONS—STRANGE, THRILLING ANTICS

De'Liberto Brothers and Co.

With **WILLIE**

TEETER-BOARD JUMPING MARVELS

See Willie's Double-Somersault From the Board
To the Man's Shoulders on Top of Pedestal

RUNNING THE GAUNTLET—COMEDY SENSATION

FAIR LADY CONTORTIONISTS

WORLD AMUSEMENT SERVICE ASSOCIATION, Inc.
ECONOMY SERVICE CO-OPERATION

THE BEAUTIFUL AND VERSATILE

RADTKE SISTERS

GRACE—DIRECT FROM EUROPE—CLASS

TWO SEPARATE SENSATIONS 35 FEET IN THE AIR

Your Blood Tingles • • • Your Pulses Race

Thrilling Double Trapeze—Aerial Cloud Swing

EVERY ACT *IN THIS CATALOG CONTROLLED EXCLUSIVELY BY* **WORLD AMUSEMENT SERVICE ASSOCIATION, Inc.**

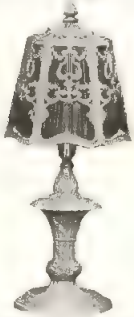
"SERVICE and SATISFACTION"

Boudoir or Desk Lamps

COMPLETE WITH SILK CORD AND SOCKET

J75131—Special Boudoir Lamp: art metal base and shade art bronze finish, shade is backed with rose silk, height to top of fitter, diameter of shade 6½ inches ... **Each 3 75**

J75132—Boudoir or Desk Lamp, hand painted ivory base with hand decorated rose pink silk shade, height to top of fitter, diameter of shade 8 inches ... **Each 9 00**



J75133—Boudoir or Desk Lamp: art metal old ivory base, polychrome finish, socket height 15 inches, shade of pearl tinted metal with rose silk **Each 10 00**

J75134—Boudoir or Desk Lamp: mahogany base with 8 inch silk shade, colors champagne or rose, height 13 inches **Each 5 00**

J75135—Special Boudoir or Desk Lamp: old ivory metal base, polychrome finish, socket, art work shade with rose silk panels, height 14 in... **Each 5 00**

J75136 — Boudoir or Small Table Lamp: black glazed pottery base, 8 inch push socket, 8 inch parchment effect shade with electric colored background and silhouette figures, height 12½ inches **Each 6 50**

J75137—Boudoir Lamp: cast metal base and oblong shade, old gold finish, shade is backed with rose silk, push socket, height 14 inches; shade is 7x4 inches ... **Each 12.00**

J75138—Boudoir Lamp, cast metal base and shade, old ivory and polychrome finish; shade is backed with rose silk, height 16 inches, diameter of shade 6 inches ... **Each 9 00**

J75139—Boudoir or Desk Lamp: art metal base and shade old ivory and polychrome finish, shade has panels of hand decorated parchment, height 16 inches, diameter of shade 6 inches **Each 12 50**

J75140—Boudoir or Desk Lamp: 8 inch oval glazed pottery base with 9 inch oval parchment effect shade made of treated cloth and decorated in brilliant colors, shade, and height 17 inches **Each 9 00**

J75141—Boudoir or Desk Lamp: blue iridescent pottery base, blue and rose silk georgette shade, gold lace trimmed, height 20 inches **Each 12 00**

J75142—Boudoir or Desk Lamp: bronze and gold base with 9 inch decorated shade, hung, decorated with herons, height 14½ inches... **Each 13 50**

J75144—Boudoir or Desk Lamp: quadruple silver plated base, push socket, 8 inch rose or champagne silk shade, height 14 inches **Each 9 00**

J75144—Boudoir or Desk Lamp: push socket silver plated base with 7½ inch silk shade, rose or blue color; trimmed with gold braid, height 14 inches... **Each 10 00**

J75145 — Boudoir or Small Lamp: push socket, black glazed pottery base with 9 inch oval rose or blue silk shade with gold braid trimming, height 14 inches ... **Each 7 50**

Floor Torches and Reading Lamps

COMPLETE WITH SILK CORD AND SOCKETS

J75146—Floor Torche: cast metal, verde and polychrome finish silk cord pull socket, height 67 inches complete with frosted bulbs **Each 70 00**

J75147—Floor Luminor or Torche: cast metal base and shade, etched old gold finish, shade has panels of extra quality parchment hand decorated, height 67 inches; shade is 6x10 inches; chain pull socket..... .....**Each 50 00**

J75148—Floor Reading or Bridge Lamp: cast metal base and shade, morocco (leather effect) and old dutch silver finish, 11 inch extra quality vellum parchment adjustable shades; may be adjusted to any height or angle; height 63 inches **Each 45 00**

J75149—Floor Torche: bronze finish metal base and shade, shade is backed with cylinder of amber glass height 72 inches, diameter of shade 5 inches..... **Each 27.50**

J75150—Luminor or Torche: cast metal base and shade, bronze finish, shade has panels of amber glass, height 67 inches, shade is 13x9 inches .....**Each 60.00**

J75151—Desk or Reading Lamp: old brass finish, key socket adjustable to any angle, height of stand 7 inches, diameter of shade 6 inches **Each 5 25**

J75152—Desk or Reading Lamp: Egyptian gold finish base, embossed glass shade with tinted decorations, height 18¾ inches; diameter of shade 7¾ inches, key socket.....**Each 23 50**

J75153—Desk or Reading Lamp: old brass finish one light key socket flexible goose neck adjustable to any angle; extreme spread 16 inches, diameter of shade 9½ inches **Each 5 50**

J75154—As above; verde bronze finish..... **..Each 5 50**

NIGHT LAMPS

Complete with burners, wicks and chimneys

Asstd. Colors

Asstd. Patterns

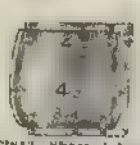
Large Handle

2C2771—"Handy," 7½ in. high, plain round chimney, 6 in. high, plain round collar, 1 in. wick. Asstd. crystal and blue. Asstd. 2 doz. in carton. 20 lbs. Doz **$2.25**

2C2726—2 patterns, 9¼ in. high, plain round collar, fine shade, 1 in. wick. Asstd. 2 doz. in carton. Doz **$3.60**

2C2731—"Little Jewel," 7½ in. high, plain round collar, 1 in. wick. Asstd. 2 doz. in carton. 16 lbs. Doz **$3.75**

LANTERN GLOBES



2C2813—Shade globe, 4 in. high, clear crystal, bottom 6 in. dia., top 4 in. dia. Fits No. 1 and No. 0 lanterns. 2 doz. in shipping carton, 22 lbs. Doz **$.95**

2C2803—Hot blast, clear crystal, 6¼ in. high, bottom after 3½ in., fits all hot blast lanterns. 2 doz. in shipping carton. 20 lbs. Doz **95c**

2C2800—Cold blast, 7 in. high, bottom after 5 in., fits all cold blast lanterns. 2 doz in shipping carton. 20 lbs. Doz **98c**

2C2801—½ doz. in shipping carton, 5½ lbs. Doz **95c**

2C2815—Cold blast for Dietz "Little Wizard" Lantern. Extra fine crystal glass, perfect fitting globe. 2 doz. in carton. Doz **$1.10**

"ANGLE" LAMP ACCESSORIES

Clear Glass Globe—
2C2807—1 in pkg. Each **75c**
6 in pkg., Each **67c**

Opal Glass Shade—
2C2808—1 in pkg. Each **79c**
6 in pkg., Each **72c**

HOT and COLD BLAST LANTERNS

"White Flame" Cold Blast Lantern Asst.

Why You Should Buy "White Flame" Lanterns:

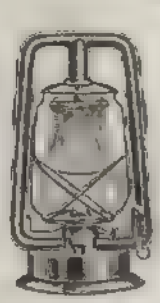
1. New improved burner assures full white light regardless of kerosene
2. Made under our own supervision by one of the biggest producers in America
3. The equal of any lantern produced at a big saving in cost
4. Specially packed. Small quantities of best sellers for quick turnover

2C2971—Heavy galvd. bright tin dome shape, 11¾ in. high, 6 in. dia. base and large dia. collar, 1 in. wick, 2 doz. in carton. 20 lbs.

Assortment comprises ¼ doz. each,

	Doz	Total
"Junior" Size 11¾ in. high. No. 1 burner. Burns 30 hours. A cold blast lantern at the price of the old style hot blast	$8.25	$2.07
Regular Size 14 in. high. No. 2 rising cone burner, 12 in. high and brass. Burns 35 hours	12.25	3.07
ASST. of ½ doz. (1 doz. each size)		**$5.14**

STANDARD HOT BLAST TUBULAR LANTERN



2C2628—Hot blast, No. 0, extra heavy tin, 11 in. high, all brass base and large fount, tin mica front, brass oil filler, brass burner, complete with chimney, 12 in. crank brass globe cap and nut, supplied with wick. ½ doz. in carton. 16 lbs. Doz **$7.20**

STANDARD COLD BLAST TUBULAR LANTERN

2C2631—No. 2 cold blast, 15 in. high over all, japanned steel dome, 12 in. high, 6 in. dia. body of fount, extra heavy gauge tin plated solid stamped base, tin fount, large oil filler, ball, windproof. ½ doz. in carton, 16 lbs. Doz **$11.60**

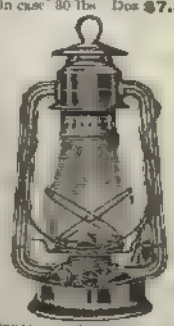
DIETZ LANTERNS

DIETZ quality open hearth bright burning improved burners equipped with Dietz patented lock key rod, glass ball lifter, brass eyelets and cap. Wick tubes of proof with self closing lift and lock device. Lantern globes are of clear glass, and are ground at bottom to fit burner collar. Globes are packed in separate cartons. Lanterns are packed with globes in place, and are equipped with extra wick, chimney and burner cap, etc.

Quantity Price—2% per dozen less than listed price in quantities of 3 doz. or more.

2C2821—"Hyio" hot blast, simple lift, 13½ in. high, No. 1 wing lock cone burner, ¾ in. wick, 4 candle power, burning cap, 30 hrs. 1 doz. in case 30 lbs. Doz **$7.50**

2C2822—"Little Wizard," cold blast, 11¾ in. high, brass braced guide side lift, short lock knob globe, large fount, and brass oil fill. No. 1 burner, 4 candle power burning capacity 30 hrs. ½ doz. to case 24 lbs. Doz **$8.50**



2C2810—"Blizzard," cold blast, 14¼ in. high, extra heavy tank, No. 2 wing lock cone burner, 1 in. wick, 4 candle power, burning cap, 20 hrs. ½ doz. in case, 25 lbs. Doz **$13.00**

"D-Lite" Cold blast, strongest construction, brass braced guide side lift, No. 2 burner, 1 in. wick, 20 candle power, short old blue oak knob.

2C2825—13¾ in. high, large fount, burning cap, 20 hrs. ½ doz. in case, 19 lbs. Doz **$13.00**

Our Complete Stocks

Mean that you never have to wait from 2 to 6 weeks for your goods when you order from Butler Brothers.

GAS MANTLES

SOFT INVERTED GAS MANTLE

For natural or artificial gas.

2C3478—"White City," 6 candle power, for use with pressure regulator, with ring, each in box, 1 doz. in pkg. Doz **$1.25**

INVERTED MANTLES—For Gasoline Pressure Systems

For gravity hollow wire pressure systems. For use with gasoline and kerosene vapors as indicated. Soft inverted with drawstrings. Each in envelope

2C3708—Hickory, Junior, 12 candle power, good high grade cotton thread mantle with drawstring, for use on No. 0 CAST NO SHADOW burners, for all gasoline vapor systems. 2 doz. in box. Doz **58c**
Gro **$6.70**

Cross Cut Bottom

2C3718—Welsbach's "Junior" cross cut bottom, 12½ in. high, 3-bar cotton thread mantle with drawstring, for use on No. 0 CAST NO SHADOW burners, for all gasoline vapor systems. 1 doz. in box. Doz **72c**
Gro **$7.80**

2C3725—"Coleman" "Junior," 12 candle power, for use on Coleman "Junior" lanterns, high grade asbestos stockinette mantle with drawstring. Each in box.

Doz	**75c**
Lots of 3 doz. or more	**$6.00**
Lots of 6 doz. or more	**7.50**
Lots of 12 doz. or more	**7.00**

LAMP BURNERS
Separate brass burners to fit any oil lamp are listed
ON PAGE 236

OIL LAMPS and FOUNTS

Think of it! 10 CARLOADS on one number alone—our 2C2700 "Giant" Fount Asst. It's volume like that that makes these LOW PRICES POSSIBLE.

LAMP WICKS
No wicks are included with any of these lamps, but are listed
ON PAGE 161

GLASS COLLAR FOUNTS

Bracket Lamp Fount

2C2616 No. 2 pressed brass collar clear crystal fount. Unique pine case 45 lbs. Doz **$2.10**

Stand Lamp Founts

2C2685—3 styles, No. 2 patent glass collar heavy clear crystal, 1 pc. construction. Plain and paneled and fancy designs. Asstd. ½ doz. in carton 35 lbs. Doz **$3.50**

Asstd. Hand and Stand Lamp Founts

2C2803—4 sizes, heavy 1 pc. brilliant crystal plain bowl with optic fluted base solid brass clinch collars

Assortment comprises ½ doz. each of the following:

	No. Ht.	Doz	Tota
Footed Hand	1 4¾	$2.7	$1.15
Stand	1 7¾		1.40
Mor. Stand	2 8	2.75	1.50
Large Stand	2 9¾	3.00	1.60

ASST (2 doz) **$5.25**

CLINCH COLLAR FOUNTS
Stand Lamp Founts

STAR VALUE

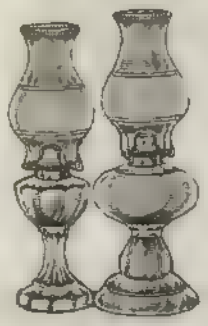
2C2685—3 styles, No. 2 clinch collar stand, crimp cap, 1 pc. construction, plain and fancy embossed patterns. Asstd.

1½ doz. in case, 35 lbs. Doz **$2.50**

Sold in any quantity, " **2.75**

CRYSTAL STAND LAMPS

Complete with Burners and Chimneys



Asstd. Styles

2C2739—3 styles, No. 2 clinch collar, No. 2 burner, 10 in. high, clear glass base, crystal patent and optic fluted. Asstd. 1½ doz. in bbl., 95 lbs. Doz **$6.00**

Sold in any quantity Doz **$7.00**

We Ship IMMEDIATELY From Complete Stocks

"RAYO" TABLE LAMP

New artistic embossed shade

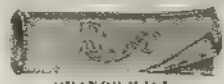
"RAYO" COMPLETE LAMP

2C2932—Brass finish, nickel plated tripod, shade holder, improved Rayo burner, complete with fancy opal sheet and flame spreader. Assorted. Each **$3.25**

3 in pkg., each **3.00**

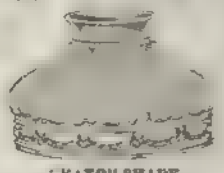
"RAYO" BURNER

2C2929—No. 1 size. Each **85c**



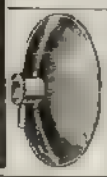
"RAYO" WICK

2C3006—Size 2, with 2¾ in. length of tubular wick for Rayo burners. 1 doz. in pkg. Doz **78c**



"RAYO" SHADE

2C3008—½ doz. in pkg. Doz **$9.00**



SILVERED GLASS REFLECTOR
For Bracket Lamp

2C2385—8 in., 4 oz. in case 25 lbs. Doz **$6.25**

BRACKET LAMPS

2C3502 "Leader." No. 2 brass collar crystal fount, heavy black japanned in shade holder, 14 in. high for hanging, removable burner, 6 in. corrugated reflector, hand 14x11½, 1 doz. in pkg., about 20 lbs.

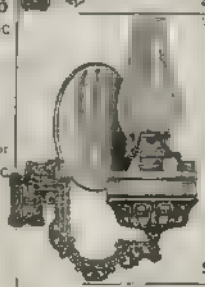
Doz **$2.50**

2C3303 No. 2 complete with White Flame chimney and Queen Anne burner, 1 doz. in case

Doz **$4.50**

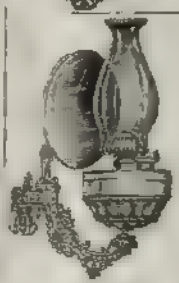
2C3525 No. 2 crystal filler fount, No. 2 improved burner and chimney, 8 in. silvered glass reflector, swing bracket, ½ doz. in case

Doz **$12.00**



2C3527 — No. 2 crystal filler fount, No. 2 improved burner & chimney, 8 in. silvered glass reflector, heat resisting with patented adjustable reflector holder, ½ doz. in case

Doz **$14.50**



2C3410 — Crimped top chimney No. 2 Burner, No. 2 filler fount with handle, 8 in. silvered glass reflector, patented adjustable reflector holder, ½ doz. in case 40 lbs.

Doz **$14.95**

Best Selling Lamp Founts in America

"Giant" Glass Collar Sewing Lamp Founts

Real giants—giants in size and giants in sales-getting ability. They feature a one piece, non-breakable construction, solid brass collars threaded in glass, and the patterns are copyrighted

2C2700—4 styles, No. 2 glass collars, average 8½ in. high, heavy lead crystal, plain and fancy designs. Asstd. 1 doz. in corrugated carton, 40 lbs. Doz **$3.90**

3 doz. or more, Doz **$4.10**

LAMP CHIMNEYS — No Package Charge

"WHITE FLAME" LAMP CHIMNEYS

Extra high plain top, and fine quality lime glass all combine to make this a popular seller.

Fine quality lime glass, plain top

2C2999 No. 1, 8 in. high, 2½ in. fitter, 6 doz. in case, 21 lbs. Doz **81c**

2C3000—No. 2, 9 in. high, 3 in. fitter, 6 doz. in case, 25 lbs. Doz **87c**

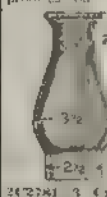
ASSORTMENT

2C3002 No. 1 and No. 2, assorted 2 doz. No. 1 and 4 doz. No. 2. Assorted 6 doz. in case, 35 lbs. CASE (6 doz) **$5.15**

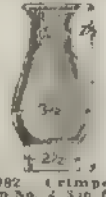
The best results are obtained when used with the "Queen Anne" burner listed on page 324

"FIRE TEST" LAMP CHIMNEYS

Each in corrugated tube. Packed in freight-proof carton



2C2781 "Fire Test" Crimped Top No. 1, 2¾ in. fitter 3 doz. in shipping carton, 20 lbs. Doz **$1.25**



2C2782 "Fire Test" Crimped Top No. 2, 3 in. fitter, 9 in. high, 3 doz. in carton, 19 lbs. Doz **$1.30**

2C2783 "Rochester" No. 2, 3 in. fitter, plain top, 3 doz. in shipping carton 16 lbs. Doz **$1.35**

2C2785 "Rayo" No. 2, 3 in. fitter, plain top, 3 doz. in carton 18 lbs. Doz **$1.25**

FLINT GLASS LAMP CHIMNEY
Globe Shape

2designs, very quality flint glass, crimped top, enameled on chimney, packed each in separate container. Asstd. 3 doz. in case, 24 lbs.

2C2568 — No. 1, 2¾ in. fitter. Doz **$1.75**

2C2571 No. 2, 3 in. fitter. Doz **$1.85**

"SUN" LAMP CHIMNEYS

Lime glass, crimped tops. Each in tube

2C2501 No. 1, 2½ in. fitter, 8 doz. in carton, 21 lbs. Doz **78c**

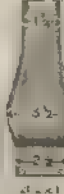
2C2502 No. 2, 3 in. fitter, 6 doz. in carton, 23 lbs. Doz **79c**

2C2503 2 sizes, asstd. 4 doz. No. 1's, 2 doz. No. 2's, 6 doz. in case, 23 lbs. CASE (6 doz) **$4.95**

NIGHT LAMP CHIMNEY

2C3940 — "Nutmeg" 3½ in. high, 1¼ in. fitter, fireproof lead glass, fits any night lamp. 6 doz. in box. Doz **38c**

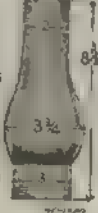
UNBREAKABLE FIREPROOF LAMP CHIMNEYS



Plain top, superior quality

2C2561 No. 1, 2½ in. high, 3¼ in. fitter, 1 doz. in pkg. Doz **$1.95**

2C2562—No. 2, 3¼ in. high, 3 in. fitter, 1 doz. in pkg. Doz **$2.10**

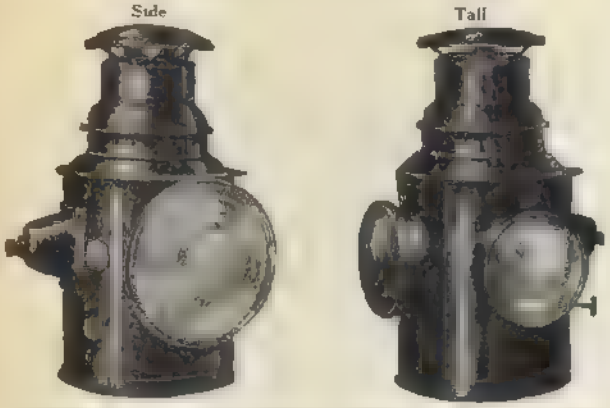


2C2562

SIDE, TAIL AND STOP LAMPS

DIETZ MONITOR STEEL LAMPS

Side Tail



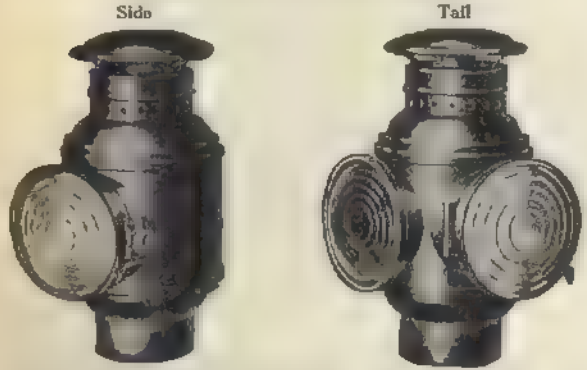
Dietz Monitor Steel Lamps. Made of cold rolled steel with a vertical slide door and an inside 14-hour capacity oil fount which cannot be lost. Height over all, 9⅝ inches. Reflected light by test (white), 8 candle power. 7/16-inch round wick. 150° kerosene oil used. Long time burner. Black enamel finish.

Dietz Monitor Side Lamp. Width between socket centers (stock) adjustable, 5¾ up to 6 inches. Size of door lens, 4¼ inches. Furnished with two round sockets for use with round forked bracket. Can be furnished in pairs with single or double combination socket.
Monitor Side Lamps.....per pair $6 80

Dietz Monitor Tail Lamp. Width through body, 5⅛ inches. White and ruby semaphore lens, 3-inch diameters. Furnished with combination socket, taking round or flat bracket.
Monitor Tail Lamps.....each $3 50

DIETZ CONVOY STEEL LAMPS

Side Tail



Dietz Convoy Steel Side Lamps. 3½ inch optical lens. Inside, unloseable 10-hour capacity oil fount. Long time burner. 8⅜ inches over all. Width through body, 4 inches. Reflected light by test, 7-candle power, 7/16 inch round wick. 150° kerosene used. Black enamel finish. Made right and left. Furnished in pairs with combination socket taking either round or flat bracket.
Convoy Side Lamps.....per pair $6 70

Dietz Convoy Steel Tail Lamp. Inside 10-hour capacity oil fount. 150° kerosene used. 8⅜ inches high over all. Width through body, 4 inches. Reflected light by test (white), 7 candle power, ¼-inch round wick. Long time burner. White lens and ruby semaphore, 3½ inch diameters. Black enamel finish. Furnished with combination socket, taking round or flat bracket.
Convoy Tail Lamp.....each $3 80
No. 1968 Bracket. Adjustable, for Gas lamps.. " 2 00

CORNER LIGHTS

No. 21 Corner Light. Diameter of globe, 1¾ inches; extreme projection, 4⅛ inches. Furnished with holophane globe.

No. 21 Corner Light, nickel plated.....each $3 45

AID COMBINATION STOP LIGHTS

No. 750 No. 751

No. 750 Stop Light and Tail Light Combined for Ford. The body is made of heavy gauge steel black enameled. The front is made of heavy gauge brass nickel plated and polished. Equipped with 6-8 volt single contact bulbs. 21-c. p. stop light bulb. 2-c. p. tail light bulb. Installed instantly, no holes to drill. Designed for all models 1924-25 and 1926 Ford cars. Remove present tail lamp body and bulb socket from license bracket. Bulb socket is held in by small plunger pin on side of socket. Remove rubber cap from combination lamp. Wire up lamp with proper wires and then slip on combination same as you would present Ford lamp using retaining spring ring. Furnished with Aid lamp. Furnished with either red, green or amber stop lens. Packed in individual carton with guaranteed switch, wire and accessories for installing.

No. 750 Aid Combination Stoplight for Ford..each $3 50

No. 751 Stop Light and Tail Light Combined. Same gauge, brass, steel and bulbs as furnished on the No. 750. Universal bracket for use on all cars, requiring bolts 1⅛ inches to 2½ inches centers, either horizontally or vertically. Packed in individual cartons with guaranteed switch, wire, bolts, nuts and screws complete for installing. Furnished with either red, green or amber stop lens.

No. 751 Aid Combination Stoplight.....each $3 50

M & M STOP LITE

M & M Stop-Lite. Guaranteed for the life of the car. The switch is built for service. The lens is of marine hardened glass, especially constructed to give a bright ruby glow. A full size reflector made of pure brass, double silver plated. Harmonizes particularly well with certain types of autos. Drum shaped, equipped with armored cable.

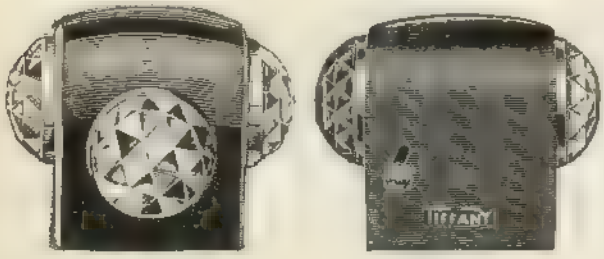
M & M Stop-Lite.....each $2 75

PARKING LAMPS AND DOME LAMPS

TIFFANY PARKING LAMPS

Special—3 Jewels Red, White and Green

Regular—2 Jewels Red and White



Tiffany Parking Lamps. Consume only three watts. Small, neat, and when installed have the appearance of being built onto the fender, fitting flush. Bulb, 2 c.p., 6-8 volt D.C.

Tiffany SB Parking Lamp, 3 jewels, black	..each	$1 75
Tiffany SN Parking Lamp, 3 jewels, nickel	.. "	2 00
Tiffany B Parking Lamp, 2 jewels, black	.. "	1 50
Tiffany N Parking Lamp, 2 jewels, nickel	.. "	1 75

VICTOR PARKING LAMP

No. 47-G Victor Parking Lamp. Made from cast brass with full nickel plating. Special brass casting fits under fender to protect wiring. Clinched-in jewel lens. Single contact only. Controlled from the dash by separate switch. The Victor No. 47-G comes complete with screws and switch packed in neat container.

No. 47-G Victor Parking Lamp, complete with switch..$2 00

M & M RUNNING BOARD LANTERNS

M & M Running Board Lanterns. Warn oncoming cars at intersections, also when turning corners. Are highly nickel plated on solid brass. Sturdily constructed. Lanterns are furnished in pairs, a red one for the left running board and a green one for the right running board.

M & M Running Board Lanterns.....per pair $4 50

C-S DOME LAMPS

No. G406

No. G406C

C-S Dome Lamps. A surface dome lamp designed to be mounted on one of the ribs of the top without cutting it in. It is made entirely of brass, heavily nickel plated, with self-contained switch. Single contact only.

No. G406 Dome Lamp. Ground glass lens	...each	$2 50
No. G406C Dome Lamp. Cut glass lens	..... "	3 00

M & M DOME LAMPS

No. 60E

No. 60S

No. 60E M & M Holophane Glass Dome Lamps. Finished in nickel and wired complete.

No. 60E Dome Lamp. 3-inch glass	.....each	$2 20
No. 60E Dome Lamp. 4-inch glass	..... "	2 50
No. 60E Dome Lamp. 5-inch glass	..... "	2 90
Switch for above Dome Lamps	.....extra	50

No. 60F M & M Frosted Glass Dome Lamps. Fittings of this dome are same as No. 60E, but furnished with a shallow, clear or frosted glass.

No. 60F Dome Lamp. 2½-inch glass	.....each	$1 80
No. 60F Dome Lamp. 3 -inch glass	..... "	2 20
No. 60F Dome Lamp. 4 -inch glass	..... "	2 50

No. 60S M & M Cut Star Dome Lamps. Is same as the No. 60E but is furnished with cut star glass.

No. 60S Dome Lamp. 2½-inch glass	each	$2 20
No. 60S Dome Lamp. 3 -inch glass	..... "	2 70
No. 60S Dome Lamp. 4 -inch glass	..... "	3 00
Switch for above Dome Lamps	extra	50

No. 60ME

No. 260A

No. 60ME M & M Midget Dome Lamp. With deep glass. Extreme diameter of glass, 2⅛ inches. Equipped with bulb.

No. 60ME Dome Lamp.....each $1 90

No. 260A M & M Flush Type Dome Lamp and Step Light. With frosted glass. Equipped with bulb.

No. 260A Dome Lamp. 2½-inch glass	.....each	$1 70
No. 260A Dome Lamp. 3 -inch glass	..... "	2 00
No. 260A Dome Lamp. 4 -inch glass	..... "	2 40

DOUBLE BARREL SHOT GUNS

L. C. SMITH HAMMERLESS

Field Grade, without Automatic Ejector

Barrels—Armor steel, blued finish, choke bored, matted rib

Stock—American walnut; full pistol grip, checkered, hard rubber butt plate, patent compensating fore-arm, checkered

No. F12—12 gauge; 26, 28 and 30 inch barrels, weight 6¼ to 8¼ pounds. . . . . Each **$75 00**

No. F16—16 gauge; 26, 28 and 30 inch barrels; weight 6¼ to 7 pounds . . . . . Each **$75.00**

No. F20—20 gauge; 26, 28 and 30 inch barrels; weight 5¾ to 6½ pounds. . . . . Each **$75.00**

Field Grade, with Automatic Ejector

No. FE12—12 gauge; 26, 28 and 30 inch barrels; weight 6¼ to 8¼ pounds. . . . Each **$100 00**

No. FE16—16 gauge; 26, 28 and 30 inch barrels; weight 6¼ to 7 pounds. . . . Each **$100 00**

No. FE20—20 gauge, 26, 28 and 30 inch barrels; weight 5¾ to 6½ pounds. . . . . Each **$100 00**

LEFEVER HAMMERLESS

Nitro Special

Barrels—Nitro special steel, blued finish, choke bored, matted rib

Stock—American walnut half pistol grip, checkered hard rubber butt plate; length 14 inches; drop at heel 2⅜ inches

No. LNS12—12 gauge; 28 and 30 inch Barrels; weight 7¼ to 7⅝ pounds. . . . . Each **$55 00**

No. LNS16—16 gauge 28 inch barrels; weight 6¾ pounds . . . . . Each **$55 00**

No. LNS20—20 gauge, 28 inch barrels, weight 6¾ pounds . . . . . Each **$55 00**

A. H. FOX HAMMERLESS

Sterlingworth Grade

Barrels—Sterlingworth fluid compressed steel, choke bored, matted rib.

Stock—American walnut; full pistol grip, checkered; with rubber cap; hard rubber butt plate, 14 inches long.

No. S12—12 gauge; 30 inch barrels; drop of stock 2¾ inches; weight 7½ to 7¾ pounds. . . . . Each **$80.00**

No. S16—16 gauge; 30 inch barrels; drop of stock 2¾ inches; weight 6¼ to 6½ pounds. . . . . Each **$80.00**

No. S20—20 gauge; 30 inch barrels; drop of stock 2¾ inches; weight 6 to 6¼ pounds. . . . . Each **$80 00**

CRESCENT HAMMERLESS

Peerless

Barrels—Special armor steel, blued finish, choke bored, matted rib

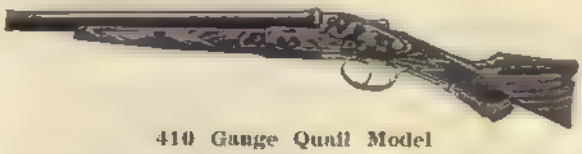
Stock—American walnut; half pistol grip, checkered; hard rubber butt plate; Deeley & Edge fore-end

No. 6—12 gauge; 28, 30 and 32 inch barrels; weights 7¼ to 8¼ pounds. . . . . Each **$40.00**

No. 6—16 gauge; 28, 30 and 32 inch barrels; weights 6¼ to 7 pounds. . . . . Each **$40.00**

No. 6—20 gauge; 26 and 28 inch barrels; weights 5¾ to 6¼ pounds . . . . . Each **$40 00**

CRESCENT HAMMERLESS



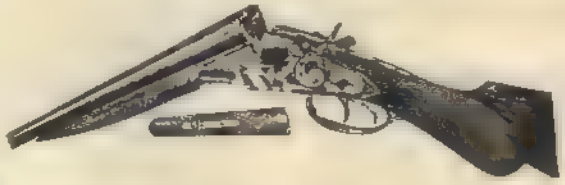
410 Gauge Quail Model

Barrels—Special smokeless steel, tapered bell shaped breech, bored for close hard shooting.

Stock—American walnut; full pistol grip; checkered; hard rubber butt plate; Deeley & Edge fore-end.

No. 66—410 gauge; will also take 44-40 or 44XL shot cartridges; 26 inch barrels; weight 5¾ pounds. . . . . Each **$45.00**

CRESCENT HAMMER



Machine Made

Barrels—Special armor steel, blued finish, bored for hard shooting

Stock—American walnut; half pistol grip, checkered; hard rubber butt plate; Deeley & Edge fore-end

No. 0—12 gauge; 28, 30 and 32 inch barrels; weight 7½ to 8¼ pounds. . . . . Each **$35.00**

No. 0—16 gauge; 28, 30 and 32 inch barrels; weight 6¾ to 7 pounds. . . . . Each **$35 00**

410 Gauge Midget Field Model

Barrels—Nitro steel, blued finish, matted extension rib.

Stock—American walnut; half pistol grip, checkered; fore-end checkered

No. 44—410 gauge; 26 in. barrels; weight 4¾ pounds . . . . . Each **$40.00**

Department No. 10

SPORTING GOODS

NOTE: We carry a complete stock of Sporting Goods, but show only the staple numbers and styles here. Write for Special Sporting Goods Catalogue.

KEITH-SIMMONS CO., INC.
NASHVILLE, TENN.

WATER BAGS

DUNHAM

NOS. 122 TO 155

REGULAR STYLE—CLOSED TOP

Guaranteed to keep water fresh, cool and palatable.

Dunham Water Bags are made of superior quality of imported flax fabric especially woven for the purpose and have the peculiar property of holding water and yet exuding enough moisture to prevent the sun from having any effect on the water inside the bag. Cooling is a natural result of capillary attraction and evaporation.

SANITARY STYLE—OPEN TOP

Easy to put on, easy to take off, easy to clean.

The Dunham Open Top is the latest improved type of cleanable construction sanitary water bag and the only sanitary bag with opening full width of the bag to permit turning completely inside out for thorough cleaning and drying in the sun.

NOS. 222 TO 255

REGULAR STYLE—CLOSED TOP

No.	Capacity	Each
122	1 gal.	$1.34
133	2 gal.	1.84
144	3 gal.	2.70
155	5 gal.	3.40

SANITARY STYLE—OPEN TOP

No.	Capacity	Each
222	1 gal.	$1.52
233	2 gal.	2.04
244	3 gal.	2.94
255	5 gal.	3.64

DESERT

NOS. 12 TO 15

3½ AND 5-GALLON SIZES

Made also with faucets in Regular and Sanitary Styles

SANITARY STYLE

NOS. 22 TO 25

Cools without ice. Principle: Capillary attraction—evaporation. Hang anywhere in blazing sun. Expose to open air circulation or draught. Made of pure imported flax, woven into a durable fabric. All water bags guaranteed

REGULAR STYLE—CLOSED TOP

No.		Capacity	Size	Wt. each	Each
12		1 gal.	10 x11½ in.	½ lb.	$1.34
13		2 gal.	15½x12¾ in.	⅝ lb.	1.84
14		3½ gal.	14 x21½ in.	1 lb.	2.70
15		5 gal.	17 x23½ in.	1½ lbs.	3.40
17	Faucet	5 gal.	17 x23½ in.	1½ lbs.	4.20

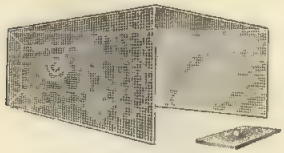
SANITARY STYLE—OPEN TOP

Sanitary bag mechanically simple to open or close either wet or dry, and the only open top bag that can be laid flat and not lose water.

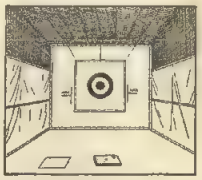
No.		Capacity	Size	Wt. each	Each
22		1 gal.	11½x10 in.	½ lb.	$1.52
23		2 gal.	15½x12¾ in.	1 lb.	2.04
24		3½ gal.	14 x21½ in.	1¼ lbs.	2.94
25		5 gal.	17 x23½ in.	1½ lbs.	3.64
26	Faucet	3½ gal	14 x21½ in.	1½ lbs.	3.74
27	Faucet	5 gal.	17 x23½ in.	1¾ lbs.	4.44

Note—Last dimension denotes depth of bags.

Indoor Golf Outfits



Outfits Nos. 1, 2 and 3



Outfit No. 3A

Indoor golf is the best substitute for the real game that has been found. You can use the same balls and clubs you use outdoors and by practice greatly improve your game. A realization of this fact has caused a rapid increase in the demand for these indoor outfits. Large numbers are now being used by Y. M. C. A.'s, Golf and Athletic Clubs, and by individual golfers, and many sporting goods houses are finding them to be an attractive and profitable line.

These outfits are made to withstand hard usage. Nos. 1, 2 and 3 consist of a back-stop, bullseye, netting top and side-walls, rubber mat and cocoa mat.

Prices

Outfit No. 1.	9 feet high, 12 feet wide, 20 feet long.	Price each	$100.00
Outfit No. 2.	12 feet high, 12 feet wide, 25 feet long.	Price each	150.00
Outfit No. 3.	12 feet high, 14 feet wide, 25 feet long.	Price each	175.00
Outfit No. 3A.	10 feet high, 12 feet wide, 23 feet long.	Price each	175.00

No. 3A is similar to Nos. 1, 2 and 3 except that it has canvas sides instead of netting, extending up 7 feet to insure privacy to the player.

Instructions for Erecting

First hang back canvas by ropes from the ceiling so that the outfit will stand about 2 feet away from walls. The net is then attached to the back canvas and its sides suspended from the ceiling at a height that will permit about one foot of the net to lie on the floor, to provide plenty of slack to prevent the ball from rebounding. The bulls eye should be suspended about one foot in front of the back-stop. The rubber mat should be nailed to the floor or to a board, while the cocoa mat is left loose so that its position may be changed to suit a right or left hand player.

Sizes other than above, to suit special requirements will be quoted on application.

Golf Flags

Colors: Red, White, Red and White, Blue and White or any other Color Combinations

No. 1

No. 3

No. 4

No. 5

Marking Flags

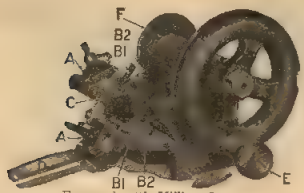
No. 1, Red, Out, with White Numbers 1 to 9.	Price each	$0.75
No. 1. White, In, with Red Numbers 10 to 18.	Price each	.75

Direction Flags

No. 3 Oblong shape, 2 colors.	Price each	$0.60
No. 4 Oblong shape, 1 color.	Price each	.50
No. 5 Triangle shape, 2 colors.	Price each	.60

KEY CUTTING MACHINES

RUSSWIN



Equipped with Milling Cutter
For Cutting Pin Tumbler Keys
No. 50

Equipped with Cutting Saw
For Cutting all Keys except Pin Tumbler
No. 50

The Russwin Key Cutting Machine will cut duplicates of all makes of pin tumbler cylinder keys, all flat keys, double bit keys, and solid and hollow barrel or stem keys, by changing the cutter and gauge. It is the only machine made that will do this without complicated changes and adjustments, and possible loss of accuracy.

Equipped with two types of cutters, Milling Cutter (F) for cutting pin tumbler keys, and Cutting Saw (G) for cutting all other kinds of keys

The hinged vises (A, A) hold both original key and blank to be duplicated in rigid and correct position A shelf on the end of each vise supports the bow on the cylinder key. On each vise is a hinged stop, which serves both as a top shoulder stop (B1) and as a setting stop (B2). The top shoulder stop is indispensable when cutting cylinder keys as all cutting from the original cylinder keys should be started from the top shoulder. This stop (B1) insures accurate reproduction of the original key The setting stop (B2) gives the correct distance from the cutter to the guage (C) by resting the shoulder of one stop (B2) against the cutter, and the shoulder of the other stop (B2) against the gauge (C).

Two gauges (C, C), one for cylinder and one for other types of keys are furnished with the Russwin machine. They can be interchanged quickly, and easily placed in correct position. The exactness of each may be quickly proved by the setting stop (B2).

After the original key and blank to be cut are placed in position, raise lever (D) with left hand, turning handle (E) until cutter (F or G) engages and cuts into blank to be duplicated.

The Russwin machine may be operated by hand, or, if desired, driven by power.

Complete with saw and cutter.

No.	Wt. each boxed	Each
50	12 lbs.	$50.00

One in a wooden box.

PLAIN KEY AND BAGGAGE TAGS

No. 03917

No. 03905A

No. 03905

No. 03907

No. 03900

No. 03925

Nos.	03917	03905A	03905	03907	03900	03925	03925N
Weight per 100, lbs.	3	2	1¼	1¾	1	¼	¼
Per 100	$14.00	10.00	6.50	8.50	6.00	3.00	3.00

All brass, excepting No. 03925N, which is brass, nickel plated

Extra charge for marking and numbering.

TELEPHONE SLUGS

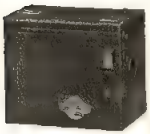
No. 10

No.	Material	Wt. per 100	Per 100
10B	Brass	1 lb.	$2.00
10S	Steel	1 lb.	1.20

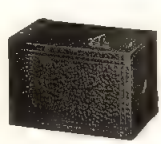
Loose.

Eastman's Brownie and Folding Pocket Cameras and Kodaks

Department 52—Fifth Floor.



No. 0—2-VIEW FINDERS
No. 1 PORTRAIT ATTACHMENT



No. 2 BROWNIE
No. 1 PORTRAIT ATTACHMENT

No. 1—Portrait Attachment for No. 2 Brownie and No. 2 Brownie **Each 1 00**

No. 2—Portrait Attachment for No. 2A Brownie **Each 1 30**

No. 4—Portrait Attachment for No. 2C and No. 3 Box Brownie **Each 1 35**

Nos. 2A, 2C AND 3 BROWNIE

Especially desirable for children on account of low cost. Strong construction and simple operation, perfectly suitable for the use of grown-up people, thousands are being used with great satisfaction. These cameras have two finders, rotary shutters, meniscus lenses of first quality; covered with imitation leather

	No. 0 Box	No. 2 Box	No. 2A Box	No. 2C Box	No. 3 Box
Size of picture					
Brownie Camera;	1⅝x2½ inches,	2¼x2¼ inches,	2¼x4¼ inches,	2¼x4¼ inches,	3¼x4¼ inches,
Brownie Carrying Case;	Each 3 60	4 95	4 75	9 00	8 10
N. C. Film Cartridges;	Each 1 80	2 40	2 60	3 00	3 00
Kodak Portrait Attachment	46	46	54	82	82
Developing and Printing Outfit	Each 1 35	1 35	1 35	1 35	1 35
	Each 2 00	3 00	3 50	3 50	3 50

Nos. 2 AND 2A FOLDING AUTOGRAPHIC BROWNIES

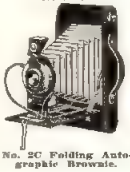
Nos. 2 and 2A Folding Autographic Brownies.

Details—For rectangular pictures, No. 2, 2¼x3¼ inches, No. 2A, 2¼x4¼ inches; capacity, No. 2, 6 exposures, No. 2A, 12 exposures without reloading, size of camera, No. 2, 11¼x4¼x6½ inches, No. 2A, 12x5¾x7⅛ inches; meniscus lenses in achromatic shutter, 3¼ inch focus for No. 2, 5½ inch focus for No. 2A; also equipped with Rapid Rectilinear lenses, if desired; shutters, Kodak Ball Bearing, equipped with Rapid Rectilinear lenses, if desired; finders, two tripod sockets, automatic focusing lock, black leather bellows

PRICE

	No. 2 Each	No. 2A Each
Folding Autographic Brownie; meniscus achromatic lens and Kodak ball bearing shutter	16 20	18 00
As above, with Rapid Rectilinear lens	19 80	21 00
Carrying Case	2.70	2 86
Autographic Film Cartridge, 12 exposures, 2¼x4¼, (No. A116) for No. 2A	.....	1.08
As above; 6 exposures, 2¼x2½, (No. A120) for No. 2 (No. A116 for No. 2A.	.46	.54
Kodak Portrait Attachment for No. 2 for No. 2A	1 36	1.36

Nos. 2C AND 3A FOLDING AUTOGRAPHIC BROWNIE



No. 2C Folding Autographic Brownie.

Details—2C for rectangular pictures, 2¼x4¼ inches on entry 10 exposures without loading, size of camera 1¾x3¾x8½ inches; weight 25 ounces; lens, meniscus achromatic, 4⅝ inch focus, details for 3A 2¼x3¼ pictures, size of camera 1¾x4¼x8¾, weight 28 ounces, also supplied with Rapid Rectilinear lens, if desired; shutter, Kodak Ball Bearing, equipped with Kodak Autotime Scale, reversible finder, two tripod sockets; automatic focusing lock, black leather bellows

PRICE

	No. 2C	No. 3A
No. 2C Folding Autographic Brownie; meniscus achromatic lens and Kodak ball bearing shutter	Each 23 40	26 10
As above, with rapid rectilinear lens	Each 27 00	30 60
Carrying Case; for No. 2C folding autographic Brownie	Each 3.20	3 60
Autographic Film Cartridge; 10 exposures, 2¼x4¼, (No. A130)	Each 1 35	1 62
As above, 6 exposures	Each .82	1 00
Kodak Portrait Attachment No. 5	Each 1.35	1.35

Nos. 1 AND 1A POCKET KODAKS

SERIES II

DETAILS

Fixed Focus.

Size of pictures No. 1, 2½x3¼ inches, No. 1A, 2½x4¼ inches, No. 1 Kodak No. 1 1x3¼x5½ inches, No. 1A, 1x3¾x5½ inches; capacity without reloading No. 1, 6 exposures, No. 1A, 12 exposures; weight No. 1, 1¼ ounces, No. 1A, 23 ounces; focus, fixed; lens, single achromatic; shutter

Size of pictures No. 2¼x3¼ inches, No. 1A 2½x4¼ inches, size of Kodak No. 1 1⅝x3⅞x6½ inches, No. 1A, 1⅞x4⅜x8¾ inches, capacity without reloading No. 1 6 exposures, No. 1A, 12 exposures; weight No. 1, 16½ ounces; No. 1A, 26 ounces; adjustable focus only; lens, Kodak Anastigmat, f.7.7, No. 1, 4½ inch focus, No. 1A, 5¾ inch focus, Kodak Ball Bearing Shutter with finger release, speeds, 1/25, 1/50 and Time and, as well as time and bulb action, finder, Brilliant, reversible for horizontal or vertical pictures, body, aluminum, covering, No. 1, Levant grain leather, No. 1A, fine seal grain leather; metal parts, bright nickel and black enamel; black bellows; autographic feature, two tripod sockets.

PRICES

	No. 1	No. 1A
Pocket Kodak, Series II (fixed focus), with meniscus achromatic lens and kodak ball bearing shutter	Each 24 30	27 00
Pocket Kodak, Series II (focusing model), with kodak anastigmat lens, f.7.7, and Kodak ball bearing shutter	Each 30 00	33 00
Black sole leather case, with strap	Each 5 00	6 00
Autographic Film Cartridges; 12 exposures (No. 116) for No. 1	Each	1 08
As above, 6 exposures (No. A 120) for No. 1 (No. A 116) for No. 1A	.46	54
Kodak Portrait Attachment	Each 1 35	1 35
Kodak Self Timer	Each 2 25	2 25
Cable Release	Each .64	84

VEST POCKET AUTOGRAPHIC KODAK

Vest Pocket Autographic Kodak.

DETAILS

For rectangular pictures 1⅝x2½ inches, capacity 8 exposures without reloading, size of kodak 1x2⅝x4⅛ inches, weight 9 ounces; lens, meniscus achromatic, 3 inch focus, special, Kodak Anastigmat, f.7.7, 3⅜ inch focus, Kodak Anastigmat, f.6.9 3⅜ inch focus, or Rausch & Lomb Kodak Anastigmat f.6.9, 3⅜ inch focus, Shutter Kodak Ball Bearing No. 0; brilliant reversible finder of metal body, specially covered with pin grain morocco, nickel and black enamel finish and black leather bellows.

VEST POCKET AUTOGRAPHIC KODAK

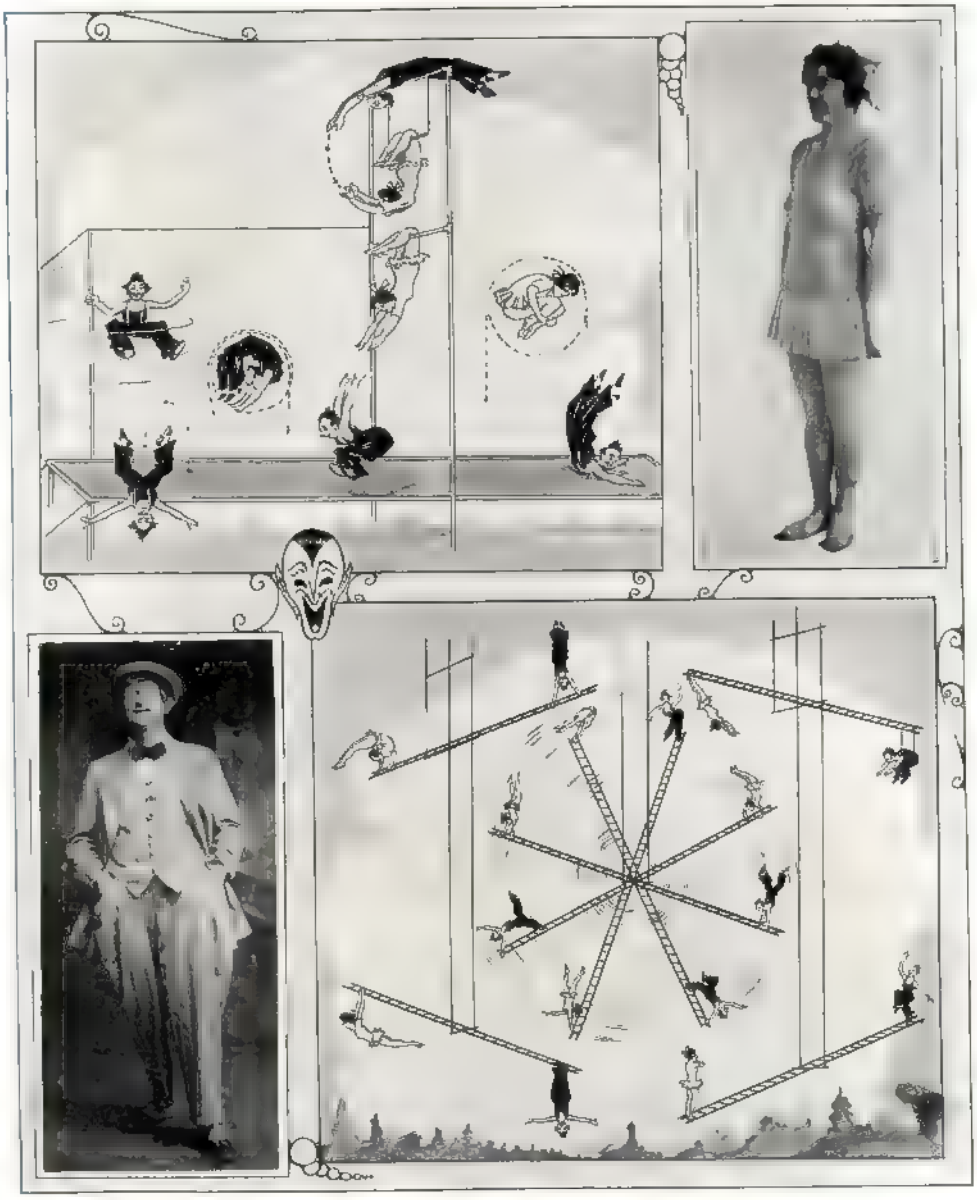
PRICE

Vest Pocket Autographic Kodak; meniscus achromatic lens and kodak ball bearing shutter	Each 11 70
As above, with Rapid Rectilinear lens speed U. S.	Each 14 40
Ves Tex with Kodak Special Anastigmat lens f.7.7, ball bearing shutter	Each 23 40
Vest Pocket Autographic Special (focusing model) Kodak Anastigmat lens f.6.9 and kodak ball bearing shutter	Each 27 00
Leather Case for V. P. Kodak	Each 1.65
Leather Case, with strap	Each 1 80
Soft Leather Carrying Bag	Each 2 40
Belt Carrying Case (russet leather)	Each 2 40
Autographic Film Cartridge, 8 exposures (1⅝x2½) (No. A 27)	Each 46c
Vest Pocket Cable Release Attachment No. 20	Each 90c

TWO SURE-FIRE HITS

Ed–The La Noles–Helen

Both Acts Include Sensation, Comedy and a Pretty Girl



Comedy Breakaway Revolving Ladder and Their Unique "3 in 1" Act

Combining Bounding Trampoline, Horizontal Bar and Cradle

HOOT, MON!

The McKenzie Scotch Highlander's Band

"In Full McKenzie Regalia"

WILLIAM G. McINTOSH, Conductor

Formerly Conductor of the Famous Kiltie's Band of Canada at their Zenith

SCOTCH DANCER AND SINGER

WEE JAMIE CLARK, Famous Pipe Major

EVERY ACT IN THIS CATALOG CONTROLLED EXCLUSIVELY BY WORLD AMUSEMENT SERVICE ASSOCIATION, Inc.

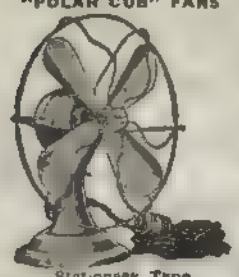
"SERVICE and SATISFACTION"

ELECTRIC FANS

You can get these famous electric fans right out of our stock without delay and at net bed-rock prices

When ordering fans give voltage, whether alternating or direct current, and number of cycles. Obtain this information from your electric light company

"POLAR CUB" FANS



Stationary Type

Model "B"—Brass finish steel blades, drawn steel motor shell with patented bearings cast iron base, enclosed type switch in base, oscillating device adjustable to any angle 25 to 90 degrees, 5 ft. cord and plug. 1 in box

110 VOLTS, Alter. or Direct Current

1H9901—6 in. diam., 8 in. high, 4 blades. Retails at $8.00. 1 in box. Each **$2.85**
12 or more, Each **2.75**
144 or more, Each **2.65**

1H9500—8 in. diam., 10 in. high, 4 blades. Retails at $5.00. 1 in box. Each **$3.75**
12 or more, Each **3.50**
144 or more, Each **3.35**

Stationary Type

"Boudoir"—Model "B", 4 brass finish steel blades, drawn steel motor shell with patented bearings, cast iron base, entirely finished in ivory, 25 to 60 cycles, 8 ft. of white cord with white bakelite 2 piece attachment plug

110 VOLTS, Alter. or Direct Current

1H8410—8 in. diam., 10 in. high, 4 blades. Retails at $7.25. 1 in box. Each **$5.95**
12 or more, Each **5.60**

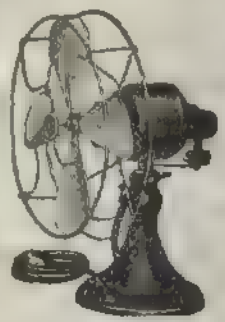
GUARANTEE—A guarantee tag is furnished with every fan. Any fan proving mechanically defective will be accepted for credit within 5 days of date of receipt of shipment and within one year for repair or replacement without charge. Fans should not be returned under this guarantee until application for return has been approved by us.

"NORTHWIND" FANS

Polished brass blades, universal motor, starting switch in base, full swivel trunnion feature, bronze bearings with wick filled oil wells, complete with cord 1 in carton

STATIONARY TYPE — 110 volts, alternating or direct current

1H7726—8 in. diam., 2 speeds, 4 blades, 6 ft. cord.
Each **$5.76**
12 or more, Each **5.63**



OSCILLATING TYPE—110 volts, alternating or direct current.

1H6814—10 in. diam., 3 speeds, 4 blades, 8 ft. cord. Each **$11.63**
12 or more, Each **11.25**

OSCILLATING TYPE—D rect current 32 volt, for "Delco" system

1H6836—10 in., 3 speeds, 4 blades, finished in dull brass, black dull back, 8 ft. cord. Retails for $15.00. Each **$11.63**
12 or more, Each **11.25**

"R & M" STANDARD DESIGN FANS
Made by Robbins & Myers

Stationary Type

Polished brass blades, drawn steel frame, light weight, wide base, black japanned, striped in gold, 8 ft. cord and plug. 1 in box

32 VOLT, Direct Current—

1H4195—8 in., 4 blades.
Each **$7.60**

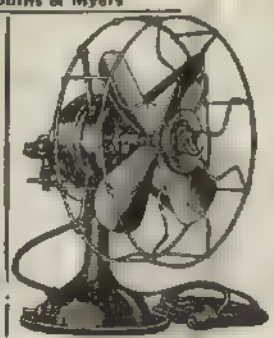
110 VOLT, Alternating Current—

	Each
1H6327—8 in., 4 blades	$7.60
1H3413—12 " 4 "	18.00
1H3414—16 " 4 "	20.40

110 VOLT Alternating or Direct Current—

1H4227—9 in.,—Each **$11.40**

OSCILLATING FANS are equipped with propellor plate adjustment and can be converted into stationary fans by slight adjustment of the thumb screw



Oscillating Type

Polished brass blades, 3 speeds, light weight drawn steel frame, black japanned, gold striped, mechanical gear oscillator, 6 ft. with foot pad hinge joint for attaching to wall, wide flaring base which prevents tipping, 8 ft. cord and plug. 1 in box

32 VOLT, Direct Current—

	Each
1H4189—8 in., 4 blades	$15.95
1H4190—12 " 4 "	22.80
1H4188—16 " 4 "	26.60

110 VOLT, Alternating or Direct Current—

	Each
1H4194—8 in., 4 blades.	$15.95

110 VOLT, Direct Current—

	Each
1H3402—12 in., 4 blades.	$22.80
1H3405—16 in., 4 blades.	26.60

110 VOLT, Alternating Current—

	Each
1H4328—10 in., 4 blades.	$19.00
1H1404—12 in., 4 blades.	22.80
1H1405—16 in., 4 blades.	26.60

"R & M" WOOD BLADE CEILING FANS—Made by Robbins & Myers

56 in., 3 speeds, 4 wood blades, plain type, black enamel finish, direct current with ceiling canopy, insulated hanger and hook, with adjustable hanger rod allowing fan to drop from 4 to 5½ ft. from ceiling. Blades and motor packed in separate boxes, 105 lbs.

1H4223—110 volts. Each **$39.50** | **1H4224** — 32 volts. For "Delco" system. Each **$38.60**

1H3177—56 in., 3 speeds, 110 volts, 60 cycles, alternating current 3 wood blades, reversing induction type motor with snap switch, black enamel finish, gold and copper plated blade shanks, hardwood, square design, ceiling canopy, hook, insulated hanger and adjustable hanger rod allowing fan to drop 4 to 5½ ft. from the ceiling, blades and motor packed in separate boxes, 120 lbs. Each **$41.10**

FLASHLIGHTS BULBS AND BATTERIES

Keep a good stock of batteries and the flashlights will sell themselves

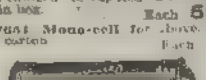
FAMOUS "FRANCO" FLASHLIGHTS

Concealed contact strips—away from breakage, short circuits, wear and tear. 2 sun lens slightly magnify mat or dull finish silver reflectors. All metal parts heavily nickel plated. Each includes case and "Tungsten" Bulb only, batteries are extra, unless otherwise stated

Regular Types

1H7976—2 cell baby, 1¼x5¼ in., vulcanized corrugated fiber case. 1 in box. Each **58c**

1H7681 Mono-cell for above. 30 in carton. Each **8c**



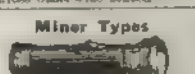
1H7976—2 cell regular, 1¼x6¼ in., vulcanized corrugated fiber case. 1 in box. Each **73c**

1H7687 Mono-cell for above. 30 in carton. Each **10c**

1H7978—3 cell regular, 1¼x8 in., vulcanized corrugated fiber case. 1 in box. Each **83c**

1H7687 Mono-cell for above. 30 in carton. Each **10c**

Miner Types



1H7847—2 cell baby miner, 1¼x3¼ in., vulcanized corrugated fiber case. 1 in box. Each **66c**

1H7654 Mono-cell for above. 30 in carton. Each **8c**

1H7979—2 cell miner, 1¼x5¼ in., vulcanized corrugated fiber case. 1 in box. Each **91c**

1H7687—Mono-cell for above. 30 in carton. Each **10c**

1H7988—3 cell miner, 1¼x6¼ in., vulcanized corrugated fiber case. 1 in box. Each **96c**

1H7687—Mono-cell for above. 30 in carton. Each **10c**

"SPOTLIGHTS"

"Spotlight" Vulcanized corrugated fiber case, all metal parts heavily nickel plated, concealed contact strip. Adjustable focusing device. Throws beam of concentrated light 300 ft. or shorter beam of properly diffused light. Special Edison Mazda bulb with concentrated filament. 1 in box

1H7199—2 cell, Each **$1,24**

1H7697—3 cell, 1¼x8¾ in. Each **1,51**

1H7687 Mono-cell for above. 30 in carton. Each **10c**

SEARCHLIGHTS

"3-In-One"—2 cell, 1, 2 or 3 lights that operate independently or together. Equipped either with 1 red lens, 1 clear white bulb or 3 of Mazda bulbs, 3½x9¼ in. vulcanized corrugated fiber case, metal parts heavily nickel plated.

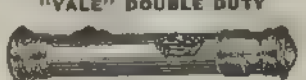
1H7748 Fitted with 3 white bulbs. 1 in box. Each **$2,48**

1H7747—Fitted with white center light, and green and red lights either side. 1 in box. Each **$2,48**

1H7687 Mono-cell for the above. 30 in carton. Each **10c**

1H7686—Mono-cell for above. 30 in carton. Each **10c**

"YALE" DOUBLE DUTY



1H7698—2 cell, 3¼x10¼ in., highly polished nickel case, concealed contact strip. Ball eye or outer convex lens at one end—focusing spotlight with range of 300 feet at the other, three way contact with positive locking device, octagon lens rings to prevent rolling. 1 in box. Each **$2,48**

1H7687 Mono-cell for above. 30 in carton. Each **.10**

"DELTA" HAND LAMP

1H7520—3½ in. high, 13 bright red enamel finish screw nickel trim, 3¼ in. deep silver reflector requiring 2 D cell or square dry cell batteries. With all connections and special voltage bulb. 1 in box. Each **$1.05**

1H7689—Dry battery for above. Each **40c**

1H7460—Bulb for above. Each **20c**

"TUNGSTEN" BULBS

Guaranteed for one year when charged unless returned in original carton with seal unbroken and within the time printed on each carton. This of course does not apply to defective bulbs. 10 in box.

Volts	Fits Flashlights	
1H7634—2.5	1H7647 1H7654	Each 8c
1H7640—2.5	1H7847 1H7854	Each 8c
1H7841—3.8	1H7747 1H7748 1H7988	Each 8c
1H7643—3.8	1H7687 1H7698	Each 11½c

1H7637—3.8 Assd 10 (5 red and 5 green) in box. 1H7747 Each **10c**

FLASHLIGHT BATTERIES
"Franco"

By carrying only 3 numbers you can handle all your battery requirements.

STAR VALUE

Cardboard jacket is integral with battery. The zinc cup is cut down ¼ in. and sealing wax comes over head and around wrapper. This patent feature prevents battery short circuiting

For 2 or 3 cell flashlights. Guaranteed for 6 months from date stamped on battery

Shelf-depreciation guaranteed to be not more than 10% in 4 months on 1H7654 and 10% in 6 months on 1H7687

"FRANCO" Baby Size—

1H7654 — (Mfrs 1053) Fits flashlights 1H7975 and 1H7687. 30 in carton. Each

"FRANCO" Regular—

1H7687 Mfrs 1051. Fits flashlights 1H7697, 1H7978, 1H7979, 1H7980 1H7747 1H7748, 1H7697 1H7698 40 in carton.... Each **10c**

"MAGIC" NON-ELECTRIC VACUUM CLEANER

Friction Drive

A new departure in a strictly high grade good looking serviceable vacuum cleaner. No electricity is needed to operate this friction cleaner. You have seen "friction toys" which run by themselves. This new invention operates on the same principle but is much more powerful.

DOES EVERYTHING electric cleaners will do

LIGHTER than electric cleaners, easy to operate and move about.

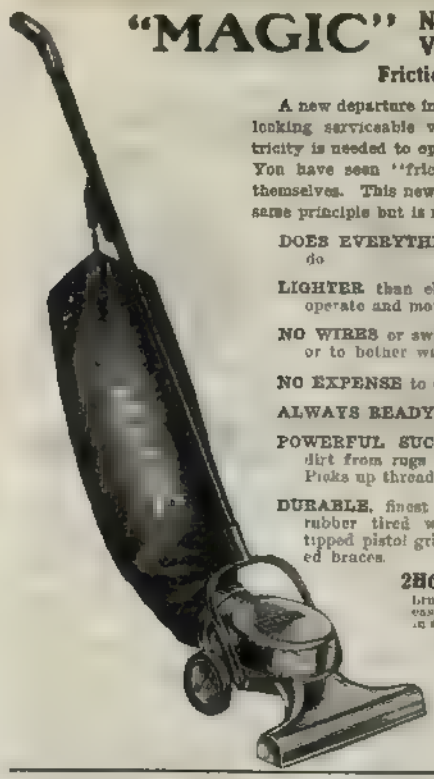
NO WIRES or switches to get out of order or to bother with.

NO EXPENSE to operate.

ALWAYS READY for instant service

POWERFUL SUCTION removes dust and dirt from rugs or carpets without injury. Picks up threads, hair, lint, etc. with ease.

DURABLE, finest workmanship throughout, rubber tired wheels, polished aluminum tipped pistol grip handle with nickel plated braces.



2H6995—12 in. nozzle, 14½ in. wide, 9½ in. revolving brush 3⅜ in. rubber tired wheels, easily removable dust bag. Each in shipping carton, 9 lbs.

Each **$24.00**
6 or more, Each **22.50**
12 or more, Each **21.00**

here's the LITE that leaves BOTH hands free

for every purpose, and it's a warning light, too

N.Y. Traffic Cops Use It!

The only light of its kind! Wears like a wrist watch. Guaranteed for two years. Longest battery service. Brightest light of any flash light on the market. Made of the best available materials. Lights without a switch—action by gravity. Endorsed by N.Y. City Police Dept. and many other municipalities where the department wore flash lights as a safety measure.

SAVE-A-LIFE LITE [Pats. Pends.]

CIVILIAN MODEL

"The Light That NEVER Fails"

FOR ANY USE REQUIRING A LIGHT INSTANTLY

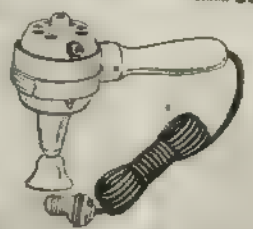
Small aluminum electric light to be fastened to the front or back of either hand, connected by a fine wire to a battery in a leather holster which may be attached to belt or carried in pocket. Bright RED and WHITE light. Switch adjustable to operate automatically on raising or stretching out the arm. Gravity action which is automatic and positive and never fails. Weighs only about one ounce and does not interfere with driving or other work. Retails for $5.00

1H7751—Complete outfit Each **$3.50**

1H7838—Battery for above 3 in box BOX of 3 **1.00**

ELECTRIC VIBRATORS

1H8803—"Polar Cub," Model 887, 7 in. long, motor vibrator, 1 jack rubber finished drawn steel frame, jack ebony finished handle, 3 applicators, 5 ft. of cord. Retails at $5.00. 1 in box. Each **$3.75**



1H3748—Mfrs. 891, "Polar Cub," boudoir model, 7 in. long motor vibrator, drawn steel frame, ivory finished, complete with 3 applicators, ivory cord and 2 pc. attachment plug. 1 in box. Retails at $6.75. Each **$5.05**; 12 or more, Each **4.75**

ELECTRIC HAIR DRYER

1H3750—Mfrs. 891, "Polar Cub," boudoir model, 11 in. long, heavy brass frame, hard wood handle, motor driven heating element of 1,000 watts, 6 ft. woven rubber cord with 3 heat control buttons, complete with ivory cord and 2 pc. attachment plug. 1 in box. Retails for $9.45. Each **$7.10**; 12 or more, Each **6.80**

"SUPER MARVEL" VIOLET RAY APPARATUS

1H3752—3 electrodes, massage hand and scalp and nose and throat, current adjusting generator handle, ability to produce 3 distinct colors, complete with cord and attachment plug. Each in silk lined leatherette covered case. Suggested retail price $12.50. Each **$9.25**

ELECTRIC IRON

1H5186—(Mfrs. 315F81) "Hotpoint," Model R, 6 lbs., full nickel plated, nichrome wire heating element, cantilever handle, thumb rest, attached stand with cord and plug. 1 in carton. Each **$3.50**; 6 or more, Each **3.24**; 24 or more, Each **3.15**

ELECTRIC PERCOLATOR

1H8781—(Mfrs. 208-B) "Hotpoint," panelled type, 11 in. high. 6 cups, valveless, nickel plated copper body, with metal spout and turned handle, crowfoot pedestal, safety switch in base. Each **$11.72**; 3 or more Each **$11.14**

ELECTRIC HOT PLATE

1H5189—"Rex," 6½x5½ in. nickel plated steel body, 3 heats, on top, 3 pairs of Hold Heet lamp receptacles with cord and plugs. Made by "Hold Heet" manufacturer. 1 in box. Each **$1.05**

ELECTRIC WAFFLE IRON

1H3176—(Mfrs. 9) "Hold Heet," 12 in. high, 10 in. long, highly polished aluminum baking grids, nickel plated grid wires, phenolite handles and feet, 7 in. waffle, 1 set of reflex wire heating elements complete with cord and attachment plug, 1 in box, with 10¾ in. aluminum tray. Each **$8.00**; 12 or more, Each **7.50**

ELECTRIC CURLING IRON

1H5143—"Rex," 10 in. long, ⅝ in. diam., nickel plated white ivory handle. With 6 ft. white silk cord and attachment plug. Made by "Hold Heet" manufacturer. 1 in box. Each **75c**

ELECTRIC MARCEL WAVER AND CURLER

1H5179—"Rex," 10 in. long, nickel plated, chrome heating element, 2 removable waver clamps included, wooden handle. Single clamp iron enables user to curl the wave as desired, will not burn the hair. With cord and plug as one. Made by "Hold-Heet" manufacturer. Each **85c**

TOO LATE TO CLASSIFY

"PURITAN" KITCHENWARE ASSORTMENT

Made by Wallace Brothers

This 14x16 in. attractive red card with attached display rack free with each gross.

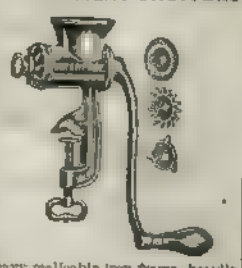
1H8370—Asst. length 18 in., high brass, lacquered finish, white wood handles, rounded edges, nickel plated ferrules. Assort 2 doz. each of the following items from our regular stock

Cake turner, 4x3 in. blade, our 1H3015
Kitchen fork, two 4 in. prongs, our 1H3011
Strainer spoon, 2¼x3½ in. bowl, our 1H3020
Mixing spoon, 1¾x2½ in. bowl, our 1H3021
Basting spoon, 1¾x2½ in. bowl, our 1H3022
Egg whip, 3½ x 5 in. bowl, our 1H3030. Wood handle

1 gro. in case. Gro. **$9.84**

NOTE—The above items also can be ordered separately, in lots of 1 doz. or more.

"ENTERPRISE" FOOD AND MEAT CHOPPERS



Heavy malleable iron frame, heavily retinned knives have 3 cutters and 6 wood screw end perforated giving fine shear or screw cut. Ribbed cutting cuts food stuff through barrel without mangling. 1 in box.

1H501—4 hole 2 lbs. per minute Each **$1.50**

1H602—Chops 2½ lbs. per minute Each **$1.90**

"HORSESHOE" GRAPE AND BERRY CRUSHER

For crushing fruits and berries in making all kinds of beverages.

1H7305—12¼ in. long, 9 in. wide, 7 in. high, hopper 7¾x8½ in. at top, 4¾x4¾ in. bottom, selected maple, mashing rollers grained, one per 1 in carton. Each **$2.60**

AUTOMATIC COMPUTING SCALES

1H2815—2 lbs. by 4 oz., computes money value at 10 prices from 5c to 60c, easily read dial blued steel, nickel trim with scoop, warranted accurate, handsomely finished. 1 in carton, 6¼ lbs. Each **$8.80**

ELECTRIC LAMPS

TABLE LAMPS

Carved Effect Metal Base

1 light, 23 in. high, 16 in. art shade, 8 amber glass portland cozy socket, 7 ft. cord, about 25 lbs.
2C4285 Antique gold finish
2C4186—Polychrome finish
Each **$6.75**

Polychrome Base

2C4285—Polychrome finish, 24½ in. high, 2 light, 2 pull sockets, 16 in. scene design imported glass shade, artistic design base, 2 pieces plug, silk cord, 7 in. pigtail.
Pair, each **$9.75**

Stippled Base

2 light, 23 in. high, gold and black base, 18 in. round gold shade, fancy fringe, gold and black braid, fancy top, 2 pull sockets, 2 pc. plug and silk cord, 7 in. cartton.
2C4203 Gold shade, rose lined
2C4222 Mulberry shade, tan corded lined.
2C4235—Blue shade, rose lined.
Each **$10.95**

Metal Base

2 light, 24 in. high, 18½ in. round scenic shade of blue glass panels, green glass skirts, pull sockets, 7 in. pigtail, about 50 lbs.
2C4190 Antique gold finish
Each **$12.00**
2C4191—Roman gold and polychrome finish
Each **$12.25**

Decorated Vase Base

2 light, 23 in. high, 16 in. shade, silk top, rose silk lined, 8 in. silk fringe, gold & black braid trim, bronze mountings, black vase with pretty raised design.
2C4248 Complete GOLD top shade
2C4249 — Complete ROSE top Shade
Each **$12.95**
2C4250—Base only Each **$5.95**
2C4251—GOLD shade only
2C4252—ROSE shade only
Each **$7.75**

No Package Charge

BOUDOIR LAMPS

Paneled Shade

22 in. high, 6 in. oval paneled shade, lone top, ivory marble-finished base, 2 in carton 7 lbs.
2C4202 Rose shade
2C4203 Blue shade
Each **$1,95**

Parchment Shade

2C4255 20 in. high, 9 in. octagon shade, cream buff ground and black stripe, parchment shade, rose and gold fittings, 2 in carton Each **$1.95**

Glass Shade

24½ in. high, 8 in. shade, embossed shirr, tinted fashion-shade.
2C4211 Rose tinted shade with base
2C4212—Blue tinted shade
French gray base
Each **$5.75**

Clock Base

2C4206 20 in. high antique gold finish, 8 in. round pegged shade, rose lined, 8 3/4 inch gold trim, adjustable socket, 2000 American movement clock, 1 in carton 6 lbs.
Each **$8,75**

FANCY BED LAMPS

Large fancy octagon silk shade, georgette top, silk lined with silk cord, 2 pc. plug and cutout, wire fixtures.
2C4437 Blue georgette top, rose lined Each **$4.25**
2C4438—Rose georgette top, rose lined Each **$4,25**

10 in. lamp fancy shape, silk shade with cut-out design, with silk cord, 2 pc. plug, 7 in. pigtail.
2C4257—Rose rose lined
2C4258—Blue rose lined
Each **$6,25**

FLOOR LAMPS—READING LAMP

For Bulbs, See Page 324

Floor Lamp

Floor Lamp

ALL OUR FLOOR LAMPS

are made with bases of kiln dried lumber hand rubbed finishes. Wired complete with 2 pull chain sockets, 8 ft. cord and plug unless otherwise stated. All bases gratis—shades priced separately below not included.

Junior Lamp

For Bulbs, See Page 324

Bridge or Reading Lamp

Genuine French mahogany base, 65 in. high, 2 pull chain sockets, black and gold effect, 8 ft. silk cord, fancy round shade, silk top with gilt silk sunburst, shirred, shirred ilia or gold brid, 6 in. brass fringe
2C9045—Base only $ 6.85
2C9046 Lilac shade } $12.50
2C9047—Rose shade }
Complete lamp $19.35

65 in. high, polychrome base, in ebony and gold effect, 3 pull adjustable cluster black and gold pull cords, fancy round shade, blue silk georgette top, shirred orange lining, trimmed with antique gold binding
2C9004—Base only
Each **$12,00**
2C9003—Shade only
Each **$12,50**
(Complete lamp 824 50)

Hand carved Japanese bronze base, 62 in. high, ebony cluster, square shade, shirred silk georgette top, shirred lining, fancy fringe, 3 pull gold silk fringe orange lining
2C9027 Base only
Each **$12,50**
cords
2C9026—Rose shade only
2C9027 Blue shade only
2C9028—Taupe shade only
Each **$11,75**
(Complete lamp 824 50)

Hand carved base, 60 in. high, burnished gold polychrome, solid brass arm, square shade, silk georgette top, to be artistic silk fringe, gold lined
2C9015—Base only
2C9016 Rose shade, orange lined } Each
2C9017 Taupe shade, orange lined } $7,25
2C9051 Blue shade, orange lined
(Complete lamp $22.00)

TORCHERES

2C9432

2C9433

2C9425—Assrtd. finishes and designs, 12 in high, 9 in. base felt bottom, ivory finish, brown tone and fine tinted floral and printed silhouette cylinders. Wired complete with 6 ft. cord and plug, Assrtd ½ doz. in carton Doz. **$8.50**

2C9432—30 in. high polychrome figures, base and top felt bottom, burnished gold cylinder silhouette figures. Wired complete with 6 ft. cord and plug 2 lbs. In carton Each **$1,65**

2C9437—16½ in. high gold & black lamp metal silver nickel finish, open shop pendant socket with cotton cloth cord cylinder, wired complete with 6 ft. cord, two pin plug, 1 in carton Each **$4,25**

ELECTRICAL GOODS

Any month is a good month for electrical goods — except that every month is just a little better than the preceding month—so it seems to us.

All of the items on these pages are for 110 VOLT ALTERNATING OR DIRECT CURRENT, guaranteed for one year (unless otherwise stated), and have cord and plugs, unless otherwise stated.

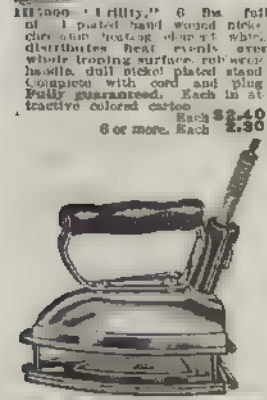
ELECTRIC IRONS

1H5801—"Domino", 6 lbs., full nickel plated, highest grade nickel chrome wire heating element, black rubberoid handle, attached stand. Fully guaranteed. 1 in carton ... Each **$2.45**
6 or more, Each **$2.25**

1H5190—Mfrs 115P81 Hotpoint, model R, 6 lbs., full nickel plated nichrome wire heating element, cantilever handle, thumb rest, attached stand, with cord and plug. 1 in carton ... Each **$3.50**
6 or more, Each **3.24**
24 or more, Each **3.15**

1H5000—"Utility," 6 lbs., full nickel plated hand wound nickel chrome alloy heating element wire, distributes heat evenly over whole ironing surface, rubberoid handle, dull nickel plated stand. Complete with cord and plug. Fully guaranteed. Each in attractive colored carton
Each **$2.40**
6 or more, Each **2.30**

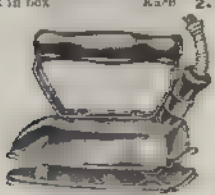
1H3280—Mfrs 1[illegible] "Universal" round heel, 6 lbs., full nickel plated latest developments in electric iron nichrome wire heating element, ebonized handle, with reversible heatproof spring stand. 1 in box
Each **$3.00**
6 or more, Each **2.81**



1H5201—Manning-Bowman "Metrex" [illegible] 6 lbs., full nickel plated [illegible] with wishbone handle, guaranteed for 1 year. 1 in box
Each **2.75**

1H6840—Mfrs 115P51 "Hotpoint," 6 lbs., full nickel plated nichrome heating element, cantilever handle, hinged plug with ball joint, attached stand. 1 in carton
Each **$4.20**
6 or more, Each **3.99**
24 or more, Each **3.78**

1H7369—"American Beauty," 6½ lbs., full nickel plated nichrome wire heating element, [illegible] round [illegible] cord, safety [illegible]. 1 in box
Each **$5.35**
6 or more, Each **5.20**
24 or more, Each **4.95**



1H2903 "Western Electric," 6 lbs., full nickel plated and polished, nichrome heating element, heavy nickeled finished handle, with stand, a sturdy well built iron with two year guarantee. 1 in box
Each **$3.40**

OUR TERMS
2% 10 Days
1% 30 DAYS
Net 60 Days

3 LB. ELECTRIC TOURIST IRON

1H6773 (Mfrs 1[illegible] "Hot point," 3 lbs., full nickel plated cool handle and attached stand, has all the outstanding features of the famous 6 lb. Hotpoint iron. 1 in box
Each **$3.32**
3 or more, Each **3.07**

ELECTRIC TOASTER STOVE

1H5115—"Hold-Heet" [illegible] nickel plated, heavy steel frame, open [illegible] sides, fries. Guaranteed for 2 years. 1 in box
Each **$1.27**
3 or more, Each **1.36**

ELECTRIC TOASTERS

1H3103—"Cold Seal," 7½ in. high, 8½ in. long, 3½ in. wide, turnover type, GENUINE NICHROME wire heating element, mirror nickel finish ebonized handle, [illegible] Guaranteed for 2 yrs. 1 in box. Each
3 or more, Each

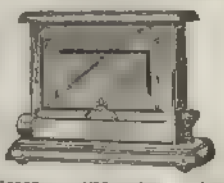
1H5142—"L. & H. Turnsit," 7 in. high, heavy, nickel plated extra large toasting surface, latest nichrome wire heating element, ebonized handle, [illegible] feet, turns bread when door is dropped, feed through [illegible]
Each **$5.60**
3 or more, Each **5.20**

1H3145—Mfrs 1[illegible] 17 "Hotpoint" [illegible] turnover type, [illegible] high, cream metal construction, nickel plated, large ebonized wood [illegible] knobs and unbreakable [illegible] feet. 1 in carton.
Each **$5.60**
3 or more, Each **5.15**

1H3711—"Universal," [illegible] easy [illegible] high, [illegible] base, [illegible] by nickel plated [illegible] nichrome [illegible] element, [illegible] bread [illegible] 1 in box
Each **$5.80**

1H3716—"Universal," reversible type, 7 lb. high, full nickel plated, patented easy swinging bread rack, cool fiber handles and feet. 1 in box
Each **$6.07**
3 or more, Each **5.86**

DOUBLE ACTION ELECTRIC TOASTER



1H5053—"Manning Bowman," double action, [illegible] high, [illegible] nickel plated [illegible] heavy [illegible] and [illegible] glass [illegible] for [illegible] ing [illegible] of bread in 6 seconds by pressing button toast is automatically lifted to top of toaster. 1 in box
Each **$8.40**

ELECTRIC PERCOLATOR SETS

1H3729—"Manning-Bowman," 4 piece nickel plated on copper base, [illegible] percolator, [illegible] cups, sugar and cream bowl, all nickel plated on copper base, [illegible] and sugar and cream tray, 1 set in box, [illegible] lbs.
SET 4 pcs. Each **Out**

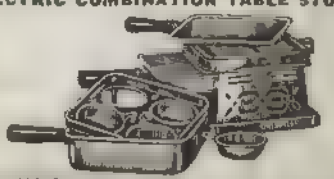
1H5094—"Universal," 4 piece nickel plated loving cup pattern percolator 10 in. high 9 cups, gold lined colonial creamer and sugar 12½ x 6 oval tray, 1 set in box, [illegible] lbs.
SET (4 pcs) **$29.85**

1H5067 Percolator only, 1 in box
Each **$16.87**

1H3851—Manning-Bowman "[illegible] nickel plated, [illegible] with [illegible] silver lined creamer and sugar 20x14 oblong waiter. 1 set in box, 15½ lbs.
SET (4 pcs) **$32.20**

1H3867—Percolator only, 1 in box
Each **$17.30**

ELECTRIC COMBINATION TABLE STOVE



1H8136—(Mfrs 11869) "Hotpoint Duplex," 7½ in. square, 5 in. high, pressed steel base and sides, highly nickel plated, complete with set of 8 aluminum dishes. 1 in carton
Each
3 or more, Each **Out**

ELECTRIC PERCOLATORS

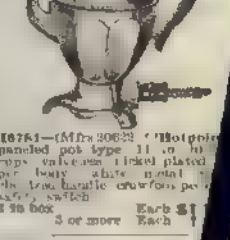
"Hold Seal" [illegible] panel design, high [illegible] nickel plated [illegible] 11 in. high, 8 cups extra [illegible] 1 in box
Each **$3.10**
3 or more, Each **2.95**

1H3585—10 cups, Each **$3.50**
3 or more, Each **3.36**

1H4135—"Rex," [illegible] nickel pot type, [illegible] high, [illegible] [illegible] ture [illegible] body, highly [illegible] ebonized [illegible] and feet, [illegible] top, [illegible] cover, [illegible] heating element, [illegible] Made by "Hold Heet" manufacturers. 1 in box Each **$3.45**

1H7294—"Hold Heet," Mfrs 68[illegible] [illegible] nickel [illegible] [illegible] body, extra heavy, shiny polished [illegible] [illegible] will not [illegible] [illegible] [illegible] hinged cover, ebonized [illegible] and feet. Guaranteed 2 yrs. 1 in carton
Each **$5.33**
3 or more, Each **5.04**

1H6809—[illegible] nickel [illegible] paneled pot type, 11 in. high, 8 cups, extra [illegible] spout, [illegible] copper, [illegible] shell [illegible] finish, [illegible] and [illegible] solid brass [illegible] [illegible] no [illegible] no soldier. 1 in box
Each **Out**



1H6761—(Mfrs 30632 "Hotpoint" paneled pot type, 11 in. high, [illegible] cups, [illegible] nickel plated [illegible] body, white metal [illegible] trim, handle, [illegible] cover, [illegible] switch
Each **$1**
3 or more, Each

ELECTRIC HOT PLATES

Each with cord and plug

1H1885—"Little Wonder," 6¾ in. high, 6¼ in. square, beautifully nickel plated, long nichrome heating element, readily removable, economical. Inexpensive. 1 in carton, 2½ lbs. ..... Each **$1.25**

"LIBERTY" ELECTRIC HOT PLATES

Dealers helps furnished FREE on request

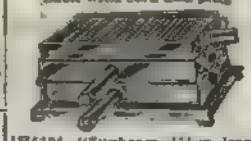
1H3686—"Liberty" improved type, 7½ in. with 4 in. high [illegible] nickel plated, 425 watt coil heating element, strong toaster legs prevent injuring delicate surfaces. 1 in carton.
Each **$1.75**
Lots of 24, Each **1.62**

1H3680—"Liberty" Twin, 4 station switch, 600 watts, 5 in. high [illegible] nickel plated cast aluminum [illegible] nickel plated steel toaster legs, [illegible] with handles, [illegible] 1 carton [illegible]
Each **$9.70**
Lots of 3, Each **9.00**

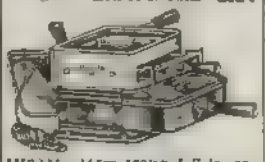
1H5127—"Liberty," Super-Twin [illegible] receptacle [illegible] 1000 watts, [illegible] nickel plated cast aluminum [illegible] nickel plated steel toaster legs and [illegible] enamel handles, highly efficient nichrome heating element. To be connected only on base or wall receptacles. 1 in carton
Each **$11.68**
Lots of 3, Each **10.82**

ELECTRIC TABLE STOVES

Each with cord and plug



1H5184—"Sunbeam," 11 in. long, 4 in. high, 6½ in. wide, heavy material, heavy nickel plated nichrome wire heating element, reversible action [illegible] automatic reversible bread toaster can be removed or laid back. 1 in box
Each **$7.00**
Lots of 3, Each **6.61**



1H7284—"Armstrong," 7 in. sq., made of pressed steel, nickel plated and white enameled, nichrome wire heating element, aluminum broiler pan with plate, 4 egg cups and rack, large griddle, toaster brown both sides at same time, enamel handles, [illegible] heat resistor tilting [illegible] plug. 1 in box. Each **$8.00**

1H5175—4 aluminum waffle iron attachment for above stove. 1 in box
Each **$2.75**
Lots of 3, Each **2.62**

DOUBLE ELECTRIC RANGE

Each with cord and plug

1H3709—"Manning-Bowman," 7 sq. in., heavily nickel plated copper, ebonoid finish handles and [illegible] nichrome wire heating element, aluminum broiling pan with grid, 4 in. cups and rack, large griddle, nickel plated steel toaster drawer, toasts both sides of bread at same time. All round 1 pt. cooking utensils can be used, cooks 3 things at a time. 1 in box
Each **$8.25**
Lots of 3, Each **8.00**

1H3731—Aluminum waffle iron attachment for above stove. 1 in box
Each **$2.75**
Lots of 3, Each **2.52**

ELECTRIC WAFFLE IRON

Each with cord and plug

1H5137—Mfrs. [illegible] "Hotpoint," 5½ in. high, 8½ in. diam. base, highly nickel plated, panelled design, base with ornamental pierced pedestal, takes 7½ in. waffle [illegible], handle, famous Hotpoint sheath wire heating units. 1 in carton.
Each **$9.71**

ELECTRIC WAFFLE IRONS

Each with cord and plug

1H3729—Mfrs. Part, 4 universal, nickel plated aluminum grids, makes [illegible] waffles [illegible] with sides at once. 1 in carton
Each **$9.45**

1H3730—"Manning-Bowman," colonial type, [illegible] 7 sq. in. [illegible] extra deep [illegible] nickel plated, [illegible] ray. 1 in box
Each **$11.76**

ELECTRIC CURLING IRONS

For 110 volts, with cord and plug. Each with stand (except 1H4455, 1H5143 and 1H6101).

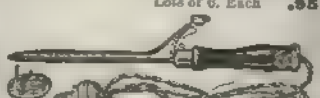
1H4455—"Flapper," 10 in. long, 5⅝ in. rod ⅜ in. diam., nickel plated, 6¼ in. black enameled handle, nichrome wire element and separable plug. Guaranteed for 2 years.
Each **44c**
Doz. **$4.50**

1H5101—"Utilitos," 11 in. long, 8¼ in. rod, nickel plated and polished, removable waver clamp, black ebonized wood handle, 2 piece detachable plug, guaranteed for 2 years. 1 in box
Each **$1.02**
Lots of 6, Each **.95**

1H6735—Mfrs. [illegible] "Hotpoint," 11½ in. long, 7 in. [illegible] in. diam., nickel plated [illegible] shield opens parallel to the rod, permitting it to be easily separated from the hair. Clamp is removable so that it can be used as a waver rod. 1 in box
Each **$3.60**
Lots of 3, Each **3.32**

White Handle

1H5143—10 in. long, 8¼ in. rod, ⅜ in. diam., nickel plated, 6¼ in. white ivory handle, 6 ft. white silk cord. Guaranteed 2 years. Each in attractive holiday box.
Each **75c**



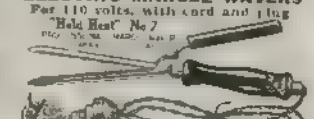
1H6454—Hold-Heet [illegible] 11 in. long, 8¼ in. rod, ⅛ in. diam. [illegible] nickel plated clamp is removable so that it can be used as a waver rod. 5 in. black enameled handle. Guaranteed for 3 years. 1 in box.
Each **$1.07**
Lots of 6, Each **1.57**

1H6726—(Mfrs Part) "Hotpoint," 11½ in. long, ⅜ in. diam. with stand, nickel plated ebonized handle, shield opens parallel to the rod, permitting it to be easily separated from the hair, removable clamp with detachable aluminum comb. 1 in box
Each **$4.02**
Lots of 3, Each **3.82**

ELECTRIC MARCEL WAVERS

For 110 volts, with cord and plug

"Hold Heet" No. 7



1H3128—(Mfrs D7) "Hold Heet," De Luxe, 11 in. long, 5½ in. rod, ⅜ in. diam., nickel plated, rosewood handles, nichrome heating element, detachable silk cord, with stand. Each in leatherette gift box
Each **$3.34**
6 or more, Each **3.15**

1H3389—"Gold Seal," 11½ in. long, two 4 in. prongs, deep capped for marcelling, nickel plated finish, 8½ in. highly polished dark brown wood handles, nichrome heating element, dark brown cord and bakelite plug. Element guaranteed for 2 years.
Each **$3.95**
Lots of 6, Each **3.80**

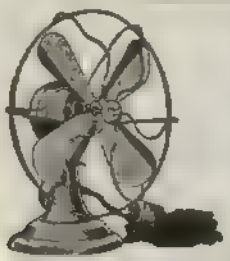
ELECTRIC FANS

You can get these famous electric fans right out of our stock without delay and at net bed-rock prices

When ordering fans give voltage, whether alternating or direct current, and number of cycles. Obtain this information from your electric light company.

"POLAR CUB" FANS

110 volts alternating or direct current 25 to 60 cycles, with cord and plug

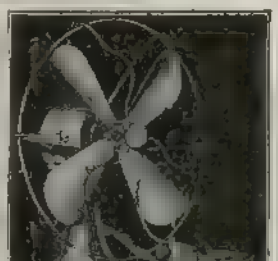


Stationary Type

[illegible] H.—Brass finish shell, [illegible] drawn steel motor shell with [illegible] bearings, cast iron base, [illegible] base and [illegible] nickel [illegible] enamel adjustable by angle.

800 8 in. diam., 8 in. high, 3 blades. Retails at $4.00
Each **$3.00**
Box
Lots of 12, Each **2.75**

[illegible]-8 in. diam., 10½ in. high, [illegible]. Retails at $5.00
Each **$3.75**
[illegible]
Lots of 12, Each **$3.50**



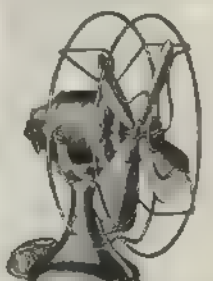
Stationary Type

"Rondoir" Model [illegible]-4 [illegible] blades, drawn steel motor shell with [illegible] bearings, cast iron base, enamel finished in ivory, 25 to 60 cycles, 6 ft. of white cord and 3 way [illegible] make [illegible] attachment plug.

110 VOLTS, Alter or Direct Current

1H9810—8 in. diam., 10½ in. high, 4 blades. Retails at $7.50
Each
1 in box
Lots of 12, Each

"NORTHWIND" FANS



Polished brass blades, universal motor, starting switch in base, full swivel trunnion feature, bronze bearings with wick [illegible] [illegible] cord, [illegible] in carton.

STATIONARY TYPE—110 volts alternating or direct current.

1H7248—[illegible] 16 in. diam., 4 blades, 6 ft. cord [illegible]
Each **$5.75**
Lots of 12, Each **5.62**

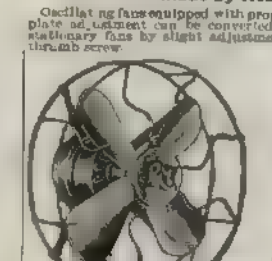
OSCILLATING TYPE—110 volts alternating or direct current.

1H6314—16 in. diam., 3 speeds, 4 blades, 6 ft. cord.
Each
Lots of 12, Each

"R & M" STANDARD DESIGN FANS

Made by Robbins & Myers

Oscillating fans equipped with propeller plate adjustment can be converted into stationary fans by slight adjustment of thumb screw.

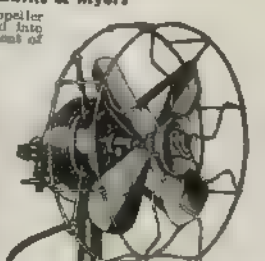


Stationary Type

Polished brass [illegible] blades, steel [illegible] frame, weight [illegible] base, [illegible] rod stirrup, guard, [illegible] cord and plug. 1 in box

110 VOLT, Alternating Current—

	Each
1H6322—8 in. 4 blades	**$8.00**
1H6413—12 " 4 "	**18.80**
1H3414—16 " 4 "	**21.60**



Oscillating Type

3 Speeds

Polished brass [illegible] light weight brass steel frame, black japanned steel stirrup, [illegible] gear oscillator [illegible] with [illegible] joint for attaching to wall, wide [illegible] base with [illegible] fan from tipping, 8 ft. cord and plug. 1 in box

110 VOLT, Alternating or Direct Current—

1H4194—9 in., 4 blades
Each **$16.50**

110 VOLT, Alternating Current

	Each
1H5328—16 in., 4 blades	**$16.80**
1H3404—18 " 4 "	**24.00**
1H3333—12 " 6 "	Out
1H3405—16 " 4 "	**28.00**

NOTE—A guarantee [illegible] with every fan. Any mechanically defective [illegible] accepted for credit [illegible] date of receipt of [illegible] within one year [illegible] agreement without [illegible] ould not be re-guaranteed until [illegible] turn has been [illegible]

"R & M" WOOD BLADE CEILING FANS

Made By Robbins & Myers

1H8177—56 in., 3 speeds, 110 volts, 60 cycles, alternating current, 4 wood blades self-starting induction type motor with snap switch, black enamel finish on [illegible] parts, [illegible] hardwood [illegible] shell [illegible] ceiling canopy, hook insulated hanger and adjustable hanger rod allowing fan to drop 4 to 8½ ft. from the ceiling, blades and motor packed in separate boxes. 160 lbs. Each
Out

John V. Farwell Company
CHICAGO

High Grade Watches

ELGIN, WALTHAM, ILLINOIS AND HAMPDEN WATCHES, CASED AT THE FACTORY, TIMED AND ADJUSTED IN THE CASES AND COME COMPLETE IN ATTRACTIVE GIFT BOXES

IMPORTANT NOTICE

As the U. S. government will not permit the use of the 10, 20 and 25 year guarantee in watch cases, the quality is specified by the manufacturer as a 10k filled (formerly 20 year) and 14k filled (formerly 25 year) and the cases will be so stamped, the quality remains the same or better

Special Style No. 1 Engraving ..... Each 4 50

Special Style No. 7 Engraving ..... Each 4 50

ELGIN CORICSAN SERIES

12 size, thin model; 21 jewel Lord Elgin movements; 8 adjustments, sterling silver dials, with beautiful new glazed finish; hands designed in harmony with the raised gold numerals, comes in handsome gift box

J72180—14k; green gold, white gold back ..... **Each 262 00**
J72181—14k, all white gold **Each 262 00**
J72182—14k; all green gold **Each 262 00**
J72183—14k, all yellow gold...**Each 262 00**

ELGIN CLASSIC SERIES

This series presents the 19 jewel Lord Elgin movement, with 8 adjustments and exquisite workmanship throughout. Sterling silver dial with raised gold figures

The new Classic 12 size case, is of original design, beautifully balanced, and comes in two finishes 14k white gold and 14k green gold

J72184—White gold **Each 215 00**
J72185—Green gold . **Each 215 00**

ELGIN STREAMLINE SERIES

J72201—12 size, extra thin model, G. M. Wheeler movement, 17 jewels, 6 adjustments, engraved silver dial; streamline bow and pendant, 14k gold engraved cap case, in two styles; either white or green gold **Each 145 00**

J72202—Movement as above; 14k gold filled engraved cap case; in two styles, either white or green gold **Each 85 50**

J72203—Movement as above; in green gold engraved border **Each 80 00**

J72204—As above, in white gold filled . **Each 80 00**

J72205—14k queen case engraved border, green gold 17 jewel ... **Each 64 00**

SPECIAL RAILROAD GRADE

10 Size; Lever Setting.

J72195—The Elgin Latest Railroad Grade; 21 jewels B. W. Raymond movement, with 8 adjustments, five of which is position fitted with a long mainspring insuring of a run of 40 hours at one winding, enamel glass dial with clear figures, cased in a 14k gold filled dustproof case. . . . . **Each 79 00**

DUEBER-HAMPDEN EXTRA THIN MODEL

J72186—Paul Revere; 19 jewel movements adjusted to 5 positions fancy hand carved dial in a 14k green gold plain case **Each 155 00**

J72187—Aviator; 19 jewel movement adjusted to 5 positions, in a 14k green gold filled, plain case..... **Each 67 00**

J72188—Movement as above, in engraved, 14k, filled case ..... **Each 71 50**

J72189—The Minute Man; 17 jewel movement, carved silver dial, in a 14k regular gold plain case ..... **Each 72 25**

J72190—Movement as above in 14k gold filled; plain case..... **Each 50 00**

J72191—Movement as above; in hand carved case ..... **Each 55 00**

WALTHAM COLONIAL "A"

J72192—Riverside; extra thin model, 19 jewel; 14k gold case..... **Each 240 00**

J72193—Royal; movement 17 jewel; cased as above white or green gold... **Each 140 00**

J72194—17 jewel, adjusted, 14k gold filled either white or green gold case **Each 75 00**

SANGAMO SPECIAL

Complete Watch; open face only; 23 jewels adjusted six positions

23 extra quality ruby and sapphire jewels, gold settings; adjusted to temperature, six positions and isochronism, spring tempered compensating balance with gold screws including timing screws, double roller escapement, friction set ruby roller jewel; rounded top pallet jewels; steel escape wheel; gold train, patent micrometric screw regulator, safety screw center pinion; Illinoy Superior Motor Barrel, concaved and polished winding wheels; safety recoil click

These movements are fitted, rerated and timed in their specially designed cases at the factory

J72196—Fitted in 14k filled extra weight screw back hinged bezel case ..**Each 113 00**

J72197 In 14k extra weight, solid quinted case, with inside cap. ..**Each 208 00**

BUNN SPECIAL, OPEN FACE

Adjusted Six Positions.

Ruby and sapphire jewels; raised gold settings, adjusted to temperature, six positions and isochronism, spring tempered compensating balance, with gold screws including timing screws, double roller, steel escape wheel gold train wheels, safety screw center pinion, patent micrometric screw regulator, recoiling safety click, concaved and polished winding wheels, double sunk dial

The 23 jewel grade contains the Illinois Superior Motor Barrel and three jewels in which Barrel staff pivots operate

J72198—Fitted in 14k filled screw bezel and back case, 23 jewel. ... . ..**Each 99 00**

J72199—21 Jewel; as above ...**Each 82 00**

A. LINCOLN, OPEN FACE

J72200—21 jewels, adjusted 5 positions gold center wheel; double roller, steel escape wheel; 14k gold filled case .... **Each 78 00**

ILLINOIS COMPLETE WATCHES

J72207—The Autocrat; 17 jewel, adjusted movement raised gold figures, 14k, 25 year white gold filled engraved case **Each 72 00**

J72208—Movement as above, in 14k, green gold filled engraved case raised gold figures ..... **Each 64 00**

J72209—Movement as above case 14k, gold filled; plain luminous dial and hands . ..... **Each 58 00**

J72210—17 jewel movement, plain dial and hands, 14k gold filled plain case **Each 85 00**

J72211—Marquis Autocrat; 17 jewel; adjusted to 3 positions; 14k green or white gold filled chased case ..... **Each 70 00**

J72212—As above; in 14k solid gold, either green or white gold queen case **Each 105 00**

J72213—As above 14k green or white gold with inside cap ..... **Each 120 00**

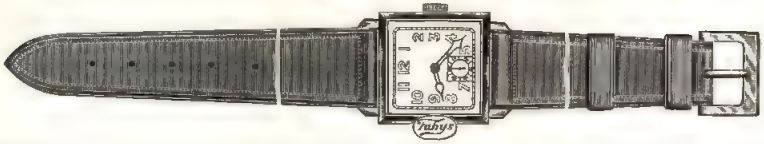
Wrist Watches

FOR BUSINESS WEAR. ALSO FOR THE SPORTSMAN, STUDENT AND PROFESSIONAL MAN

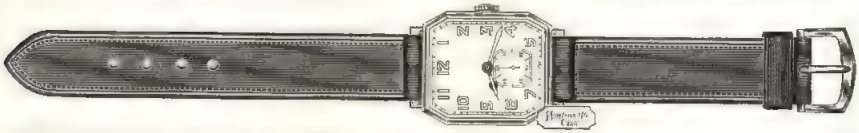
IMPORTANT NOTICE

As the U. S. government will not permit the use of the 10, 20 and 25 year guarantee in watch cases, the quality is specified by the manufacturer as a 10k filled (formerly 20 year) and 14k filled (formerly 25 year) and the cases will be so stamped, the quality remains the same or better

J72154—**Elgin;** 10/0 military style, 7 jewel; green gold filled... **Each 55 00**
J72155—**Elgin;** 10/0 military style; 16 jewel; green gold filled **Each 60 00**
J72156—**Elgin;** 10/0 military style, 7 jewel; white gold filled **Each 55 00**
J72157—**Elgin;** 10/0 military style; 16 jewel; white gold filled **Each 60 00**
J72158—Imported, 10½ ligne military style, 16 jewel, sterling silver **Each 36 80**
J72159—Imported, 10½ ligne military style, 16 jewel, gold filled **Each 40 00**



J72160—**Elgin;** 6/0 size, 7 jewel; white gold filled; radium dial and hands **Each 48 50**
J72162—**Elgin;** 6/0 size; 16 jewel; white gold filled, radium dial and hands **Each 50 00**
J72163—**Elgin;** 6/0 size; 7 jewel; green gold filled, radium dial and hands **Each 48 50**
J72164—**Elgin;** 6/0 size, 16 jewel; green gold filled; radium dial and hands **Each 60 00**
J72165—Imported; 3/0 size; 16 jewel gold filled; radium dial and hands **Each 39 00**



J72166—**Strap Wrist Watch;** Elgin, 14k green or white gold; 6/0 size; 15 jewel movement, radium dial and hands. . **Each 98 50**
J72167—Elgin, green or white gold filled, 6/0 size, 15 jewel movement, radium dial and hands... **Each 67 50**
J72168—Elgin, green or white gold filled 6/0 size, 7 jewel movement, radium dial and hands **Each 54 70**
J72169—Imported, silver case, same style, 16 jewel movement, radium dial and hands **Each 32 00**
J72170—Imported; green gold filled, same style, 16 jewel movement, radium dial and hands **Each 32 00**

J72171—**Ladies' or Men's Strap Wrist Watches;** 6/0 size; 15 jewel Elgin movement; 14k gold filled case **Each 55 00**
J72172—As above, in 7 jewel Elgin movement **Each 44 00**
J72173—6 size in 15 jewel Elgin movement, sterling silver case **Each 55 00**
J72174—As above in 7 jewel Elgin movement **Each 44 00**
J72175—6/0 size 15 jewel Elgin movement; white gold filled. . **Each 65 00**
J72176—As above, 7 jewel Elgin movement; white gold filled **Each 44 00**

J72177 10½ ligne, steel clad, a watch to stand knocks and shocks of a sport watch at a small price; nickel case ...**Each 20.00**

J72178—0 size 16 jewel imported movement, radium dial and hands, sterling silver case; pigskin strap ...**Each 24.00**

J72179—Nurses' Watch; 10½ ligne; cushion shape, sterling silver case, 11 jewel, lever imported movement, radium dial and hands; ribbon bracelet **Each 32 00**

Men's Elgin Sport Model Strap Watches

Men's Elgin Sport Model Strap Watches, 14K, white and green gold filled cases, with high grade leather straps and detachable buckles. **PRICES ON THIS PAGE SUBJECT TO A DISCOUNT**

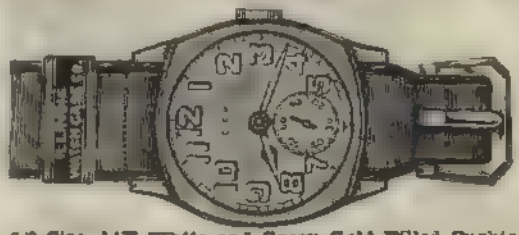
3/0 Size, 14K White and Green Gold Filled Cushion Watch, leather strap and buckle to match case, with luminous dial, Elgin movements

14K White Gold Filled

No. 11W34.	7 Jewel Elgin.	Each	17 40
No. 11W35.	15 Jewel Elgin.	Each	20.95

14K Green Gold Filled

No. 11W36.	7 Jewel Elgin.	Each	17.40
No. 11W37.	15 Jewel Elgin.	Each	20 95



6/0 Size, 14K White and Green Gold Filled Cushion Watch. Leather strap with buckle to match case, fitted with luminous dial, Elgin movements.

14K White Gold Filled

No. 11W42.	7 Jewel Elgin.	Each	20.15
No. 11W43.	15 Jewel Elgin	Each	25 35

14K Green Gold Filled

No. 11W44.	7 Jewel Elgin.	Each	20 15
No. 11W45.	15 Jewel Elgin.	Each	25.35

6/0 Size, 14K White and Green Gold Filled Rectangular Watch. Leather strap and buckle to match case, with luminous dial, Elgin movements.

14K White Gold Filled

No. 11W50.	7 Jewel Elgin.	Each	21.55
No. 11W51.	15 Jewel Elgin	Each	[illegible]

14K Green Gold Filled

No. 11W52.	7 Jewel Elgin.	Each	21.55
No. 11W53.	15 Jewel Elgin.	Each	26.75

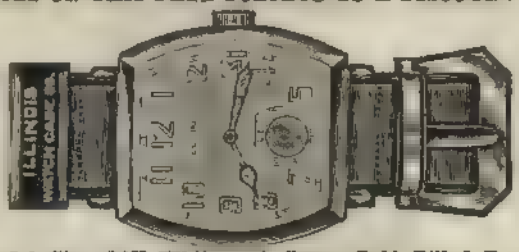
10/0 Size, 14K White and Green Gold Filled Rectangular Watch. Leather strap and buckle to match case, fitted with silver Butler dial, Elgin movements. Small size watch, also suitable for ladies.

14K White Gold Filled

No. 11W58.	7 Jewel Elgin	Each	24.50
No. 11W59.	15 Jewel Elgin	Each	29.30

14K Green Gold Filled

No. 11W60.	7 Jewel Elgin.	Each	24.50
No. 11W61.	15 Jewel Elgin.	Each	29.30



3/0 Size, 14K White and Green Gold Filled Tonneau Watch. Leather strap and buckle to match case, with luminous dial, Elgin movements.

14K White Gold Filled

No. 11W38.	7 Jewel Elgin.	Each	18.25
No. 11W39.	15 Jewel Elgin.	Each	21.80

14K Green Gold Filled

No. 11W40.	7 Jewel Elgin.	Each	18.25
No. 11W41.	15 Jewel Elgin	Each	21.80

6/0 Size, 14K White and Green Gold Filled Tonneau Watch. Leather strap and buckle to match case, with luminous dial, Elgin movements.

14K White Gold Filled

No. 11W46.	7 Jewel Elgin.	Each	21.55
No. 11W47.	15 Jewel Elgin.	Each	26.75

14K Green Gold Filled

No. 11W48.	7 Jewel Elgin.	Each	21.55
No. 11W49.	15 Jewel Elgin.	Each	26.75

6/0 Size, 14K White and Green Gold Filled Square Watch. Leather strap and buckle to match case, with luminous dial, Elgin movements.

14K White Gold Filled

No. 11W54.	7 Jewel Elgin.	Each	21.55
No. 11W55.	15 Jewel Elgin.	Each	26.75

14K Green Gold Filled

No. 11W56.	7 Jewel Elgin.	Each	[illegible]
No. 11W57.	15 Jewel Elgin	Each	26.75

10/0 Size, 14K White and Green Gold Filled Square Watch. Leather strap and buckle to match case, fitted with silver Butler dial, Elgin movements Small size watch, also suitable for ladies.

14K White Gold Filled

No. 11W62.	7 Jewel Elgin.	Each	24.50
No. 11W63.	15 Jewel Elgin.	Each	[illegible]

14K Green Gold Filled

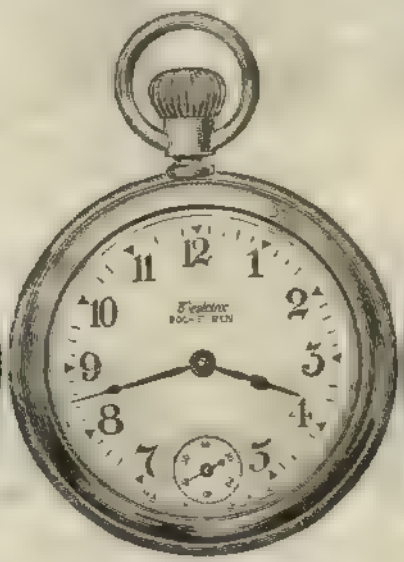
No. 11W64.	7 Jewel Elgin.	Each	24.50
No. 11W65.	15 Jewel Elgin.	Each	29.30

American Made Nickel Watches

Guaranteed Timekeepers

Nickel Watch, American Made, 18 size, open face nickel, thin model stem wind and pendant set guaranteed by the factory to keep time for one year.

No. 1W23. Each 85



The Pocket Ben Watch, made by the Western Clock Co. 16 size, open face nickel thin model, stem wind and pendant set, fully guaranteed.

No. 1W65. In 1 doz lots Ea. 1.03
In 3 dozen lots Each . . 1.00
In 6 dozen lots Each . . .97

The Glo-Ben Watch, made by the Western Clock Co. 6 size, open face radium dial, nickel thin model stem wind and pendant set, fully guaranteed.

No. 1W66. In 1 doz lots Ea. 1.58
In 3 dozen lots Each . . 1.50
In 6 dozen lots Each . . 1.[illegible]

The New Octagon Tip-Top Nickel Watch

Nickel Octagon Shape Watch, 14 size, open face, thin model, white dial, pierced hands, stem wind and pendant set, fully guaranteed.

No. 1W67. Each 1.12

Side View Showing Thinness of Watch

Nickel Octagon Shape Watch, 14 size, open face, thin model, radium dial, pierced hands, stem wind and pendant set. Fully guaranteed.

No. 1W68. Each 1.75

Elgin, Waltham, Hampton and Illinois Watch Movements

Prices Subject to Regular Keystone Jewelry List

18 Size ELGIN MOVEMENTS

No. 317. 18 J. O. F. 16.20
No. 288. 7 J. O. F. 11.60

16 Size ELGIN MOVEMENTS

466. O. F. Ad. ..33.60
386-387. Hunting, O. F. 17 J. 25.20
312-313. Hunting, O. F. 15 J. 20.70
290-291. Hunting, O. F. 7 J. 12.00

12 Size ELGIN MOVEMENTS

344-345. Hunting, O. F. 17 J. 25.20
314-315. Hunting, O. F. 15 J. 21.30
301-303. Hunting, O. F. 7 J. 14.00

0 Size ELGIN MOVEMENTS

320. Hunting 7 J. 16.90
354-355. Hunting, O. F. 15 J. 24.00

3/0 Size ELGIN MOVEMENTS

464-465. Hunting, O. F. 15 J. 23.30
462-463. Hunting, O. F. 7 J. ..16.20

6/0 Size ELGIN MOVEMENTS

428-429. Hunting, O. F. 15 J. 33.00
430-431. Hunting, O. F. 7 J. ..22.60

10 Size WALTHAM MOVEMENTS

Vanguard. 23 J. Adj. to 6 positions. W. I. O. F. 80.00
Vanguard. 23 J. Adj. to 5 positions, O. F. 74.60
Crescent St. 21 J. Adj. to 5 positions, O. F. 58.00
Riverside. 19 J. Adj. to 5 positions. Hunting, O. F. 52.00
P. S. Bartlett. 17 J. Adj. Htg., O. F. 28.40
No. 625. 17 J. Htg., O. F. 25.80
No. 620. 15 J. Htg. O. F.. 21.60
No. 610. 7 J. Htg. O. F.. 13.50

12 Size WALTHAM MOVEMENTS

Riverside. 19 J. Adj. to 5 positions. Hunting, O. F. 64.30
Royal. 17 J. Adj. to 5 positions. Hunting, O. F. 46.40
No. 225. 17 J. Htg., O. F. ..28.40
No. 220. 15 J. Htg. O. F. 22.30
No. 210. 7 J. Htg., O. F. 15.50

18 Size HAMPDEN MOVEMENTS

Special Railway. 21 J. 40.40
Dueber Watch Co. 21 J. ..41.00
No. 04. 17 J. 18.70

16 Size HAMPDEN MOVEMENTS

Special Railway. 21 J. 71.00
84-104. Hunting, O. F. 23 J. 71.00
New Railway. 21 J. 57.40
No. 105. 21 J. 57.40
Wm. McKinley. 21 J. Hunting, O. F. 57.40
Railway. 19 J. 49.70
Wm. McKinley. Hunting, O. F. 17 J. 30.00
98-108. Hunting, O. F. 17 J. 25.20
99-109. Hunting, O. F. 15 J. 20.70

12 Size HAMPDEN MOVEMENTS

305-307. Htg., O. F. 17 J. ..25.20
304-306. Htg., O. F. 15 J. 21.30

18 Size ILLINOIS MOVEMENTS

Bunn Special. 21 J. Adj. to 6 positions. Hunting, O. F. ..48.00
No. 80. 17 J. Adj., Htg., O. F. 20.00

16 Size ILLINOIS MOVEMENTS

Bunn Special. 23 J. Adj. to 6 positions. Hunting, O. F. ..65.50
Bunn Special. 21 J. Adj. to 6 positions. Hunting, O. F. ..56.00
A. Lincoln. 21 J. Adj. to 5 positions. Hunting, O. F. 52.00
Bunn. 19 J. Adj. to 5 positions Hunting, O. F. 48.00
Bunn. 17 J. Adj. to 5 positions Hunting, O. F. 40.00
No. 706. 17 J. Adj. to 4 positions. Hunting, O. F. 30.00
No. 305. 17 J. Adj. Hunting, O. F. 26.50

12 Size ILLINOIS MOVEMENTS

No. 410. 23 J. Adj. to 6 positions Hunting, O. F. 75.00
A. Lincoln. 21 J. Adj. to 5 positions. Hunting, O. F. 53.00
No. 405. 17 J. Adj. Hunting, O. F. 27.00

We carry in stock a full line of complete watches, made by the Elgin, Waltham, Hampden, Illinois and other American makers. This includes streamline, Colonial A's and Autocrats.

If you are interested in watches, let us quote you prices.

We can offer you as strong a value as any watch house in the country. A small trial order will convince you that this statement is absolutely correct.

Waltham Colonial Watch

Subject to Special Discount

White or Green 14k Gold Filled

Waltham Colonial Watch. 12 size, open face, 14k. gold filled case, engraved edge with newest finishing 17 jeweled Waltham movement specially rated. Fancy butler or brocaded finished dials, [illegible] complete and timed at the Waltham factory. Delivered in distinctive display box.

No. 9W225. With 14k White Gold filled case. Each 27.70

No. 9W220. With 14k Green Gold filled case. Each 27.70

Elgin Watches

New Type Streamline and Classic Series

Complete watches only. Fitted and regulated before leaving the factory. A watch noted for its smoothly flowing lines and great accuracy. Each model is up to the minute in design and the best watch value for the money. Each watch is put up in a handsome presentation box.

Prices on Elgin Watches are Subject to Discount

People find the Elgin "The Professional Timepiece" It is the natural reaction of anyone a time-piece of authority. An Elgin watch may be the plainest of practical time-pieces or it may be encased in the finest example of the gold and platinum smith's art. But it is always true to the one and only thing a watch is for—to tell time and tell it right.

40.00 Streamline

No. 9W175. 12 size extra thin, exceptional time keeping qualities in a slender model G. M. Wheeler adjusted movement. Fancy silvered dial. 14 Kt. white gold filled case engraved edge and back.

Each **25.00**

No. 9W176. As above in 14Kt. Green Gold filled case.

Each **25.00**

60.00 Streamline

No. 9W177. 12 size, extra thin, exceptional time keeping quality in a slender model G. M. Wheeler movement. 17 Jewel. Six adjustments. Silvered Dial 14 Kt. white gold filled, engraved border, cap case.

Each **35.80**

No. 9W178. As above in 14 Kt. Green Gold filled case.

Each **35.80**

All Watches Listed on this Page Come in Fancy Display Boxes

100.00 Crusader

No. 9W179. The new Crusader Elgin. 12 size, extra thin, exceptional time keeping qualities in a slender model. Has the famous G. M. Wheeler movement. 17 Jewel, 6 adjustments. Silvered dial. Raised gold numerals and gold hands. 14 Kt. solid white gold. Cap case of new design.

Each **59.40**

No. 9W180. As above in 14 Kt. solid green gold case.

Each **59.40**

150.00 Classic

No. 9W181. 12 size thin model 19 Jewel Lord Elgin movement. 8 adjustments and exquisite workmanship throughout. Silvered dial with raised gold numerals and gold hands. 14 Kt. solid white gold border. Engraved case.

Each **89.10**

No. 9W182. As above in 14 Kt. solid green gold case.

Each **89.10**

175.00 Corsican

No. 9W183. 12 size, thin model, 21 Jewel Lord Elgin movement. 8 adjustments, finest craftsmanship throughout. Sterling silver dial with beautiful new relief mat finish. Raised gold numerals and gold hands, 14 Kt. solid white gold. Engraved border case.

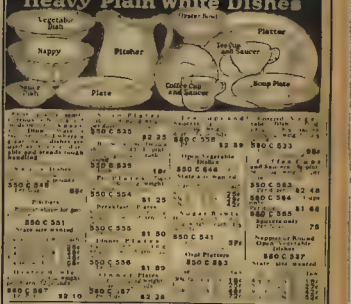
Each **103.90**

No. 9W184. As above in 14 Kt. solid green gold case.

Each **103.90**

Thin Blown Fancy Glassware

Heavy Plain White Dishes



Beautiful American Ware

New Cameo Rose Pattern

100-Piece Set
$19.98
Service for 12 Persons

Three Special Bargains

43 Piece Set

Imported German China
Garland Border Pattern

$9.98 43-Piece Set Service for 6 Persons

This German China Dinner Set has been selected as an excellent example of Ward a fine values in imported dinner ware. It is made in Germany by a pottery known the world over for good workmanship. The china is light weight, highly glazed and so clear that when held up to the light you can see the shadow of your hand.

Seldom is dinner ware of this quality priced as low as our Garland Rose set. This design shows garlands of pink roses and green leaves with a border of French blue and tan. The handles on this set are gold traced.

43-Piece Set—Service for six persons, as follows
6 Cups
6 Tea Saucers
6 Dinner Plates, 9 inch
6 Bread and Butter Plates, 6 inch
6 Cereals or Fruit Dishes, 5½ inch
1 Cream Platter, 7½ inch
1 Platter, 14 inch
1 Oval Open Vegetable Dish, 10 inch
1 Vegetable Dish
1 Covered Sugar (2 pieces)
1 Creamer
1 Salad Bowl, 7 inch
1 Platter, 11 inch

This pattern is also carried in open stock. A printed price list is sent with each set
Shipping weight, per set, 45 pounds. Can be shipped by parcel post

450 C 112—43-Piece Set ... $9.98

We guarantee Safe Delivery of all our dinner ware. It is expertly packed and should reach you in perfect condition. However, if any pieces are broken in shipment we will replace them without charge.

American Semi-Porcelain
Floral Basket Design

$7.98 44-Piece Set Service for 8 Persons

Our American Dinner Ware is an excellent quality semi-porcelain The body has a rich creamy white color and a hard clear glaze similar to that found on imported china. Each piece bears the trade mark of a well known pottery

For this special 44-Piece set we have selected one of the most popular of the new patterns, a tasteful floral basket design combining French blue, rose, yellow and green. Blue tracings, applied by hand, outline the edges and handles.

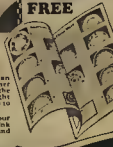
This pattern is very attractive on the table providing just the right color in the gay basket of flowers and blue bowknots that fit the garlands. The 44 piece set in which it is offered includes service for eight persons as follows

8 Tea Cups
8 Tea Saucers
8 Dinner Plates, 9 inch
8 Sauce Dishes
8 Cereal Bowls, 6 inch
1 Cream Pitcher
1 Open Sugar Bowl
1 Oval Open Vegetable Dish
1 Platter, 12 inch

This pattern is also carried in open stock. A printed price list is sent with each set
Shipping weight, per set, 45 pounds. Can be shipped by parcel post ... $7.98

450 C 107—44-Piece Set

FREE



Dinner Ware Circular
Shows Patterns in Actual Color

If you want to see the actual colorings of your new dinner set before you order, send for our Free Dinner Ware Circular. It will help you choose among the many attractive patterns we offer. This circular shows all of our decorated dinner ware in actual colors, enabling you to see just how the sets will look.

The new edition is ready now. A postal card saying, "Send Dinner Ware Circular," will bring your copy without delay.

Send Now

Your Copy

Genuine Imported Bavarian China
Exclusive Embossed Pattern

$11.98 45-Piece Set Service for 8 Persons

Only in genuine Bavarian ware will you find china of this fine quality. The pure white body and hard, clear glaze make it beautiful and durable. At this price it is a fine value.

Delicate shadow embossing forms wide bands on each piece—a decoration usually seen only in very expensive china. Colorful roses and small blue flowers, with green leaves, make the garland border just inside the gold fluted edges. Handles are gold traced. This 45-piece set includes service for eight persons as follows

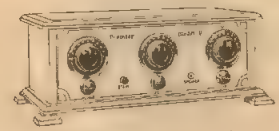
8 Tea Cups
8 Tea Saucers
8 Dinner Plates, 10 inch
8 Fruit Plates
8 Sauce Dishes
8 Cereal Bowls
1 Cream Pitcher
1 Covered Sugar Bowl (2 pieces)
1 Platter 12 inch
1 Round Open Vegetable Dish

This pattern is also carried in open stock. Printed price list sent with each set with prices within, per set, 45 pounds. Can be shipped by parcel post ... $11.98

RADIO RECEIVERS

PREMIER 5-TUBE "ENSEMBLE"

The Premier **"Ensemble"** in beautiful, attractive three-color display carton.



Showing the **"Ensemble"** as it appears when mounted in a cabinet.

"QUALITY RADIO AT A REASONABLE PRICE"

Through a new manufacturing idea and a new merchandising plan, quality radio is at last brought to the user at a reasonable price.

Premier **"Ensemble"** is not a "knocked down" kit—but a completely assembled, unwired quality radio set. The user receives it in two completely assembled parts, which are put together with a screw driver in thirty seconds. No drilling, tapping or other machine work to do No other tools required, except a soldering copper—and Premier furnishes that! The new, copyrighted Premier wiring plan with six color charts enables the most inexperienced to wire the set completely, and with certainty of success.

Premier **"Ensemble"** is quality radio throughout. Genuine Premier quality parts designed and built from raw material to finished product by the Premier organization, are used throughout. They have won the unqualified approval of thousands of engineers and experienced amateurs everywhere. Genuine Bakelite panels are used for Premier **"Ensemble."** Fullest filament control is provided by three Premier **"Full Floating"** rheostats. Nothing is sacrificed to a price in the **"Ensemble"**—yet mass production makes possible this revolutionary price for quality radio.

BEAUTIFULLY DESIGNED

In beauty, too, the **"Ensemble"** excels Its 7x21-inch genuine Bakelite panel is a perfect reproduction of selected black walnut. Its handsome black dials and knobs of special design give striking beauty to this quality **"Ensemble."** The **"Ensemble"** plan gives the user the privilege of selecting a standard cabinet from the many available styles to harmonize with the furnishings of his own home—and Premier **"Ensemble"** will grace the finest surroundings (We do not furnish cabinets.)

As the **"Ensemble"** comes. Two completely assembled units.

TUNED RADIO FREQUENCY

In engineering also, the **"Ensemble"** is a forward step. The unique circuit and special design of apparatus used set new standards of volume, distance, tone quality and selectivity. Unlike the average tuned radio frequency set, the **"Ensemble"** gives equally good volume and selectivity on all broadcasting wave-lengths, from 200 to 600 meters.

The experimenter, and the man who enjoys radio for its entertainment and educational value alone, alike find the **"Ensemble"** ideal radio. The experimenter, because the usual grief of set building has been eliminated, leaving only the delightful part, and the listener, because the **"Ensemble"** brings to him the utmost in radio at a reasonable price.

REDUCES DEALER'S INVESTMENT

The **"Ensemble"** comes packed in a beautifully finished carton, together with necessary wire and solder and understandable working instructions for assembling and wiring the set complete.

Dealers are finding the **"Ensemble"** a wonderful help to their business, by assembling sets in spare time for those of their customers who do not care to do this themselves, which gives them one really high grade set to meet all price demands, simply by placing this beautiful set in any type of cabinet the customer may desire In this manner it is not necessary for the dealer to carry as many sets on hand, yet gives both him and his customer a wider range of selection than would be possible under the old system of completely built sets. Quicker turnover and lower investment by this plan therefore increase profits—and, his customer cannot buy better radio at any price.

Though manufactured under mass production conditions, and sold by a modern merchandising plan, which results in big savings to the user, the Premier **"Ensemble"** is not a cheap set, except in price. Quality first is the Premier creed and it finds its highest expression in the **"Ensemble."**

The Premier **"Ensemble"** complete with all parts completely assembled in two units, and with wire, complete wiring charts and instruction book, colored varnished tubing, solder and soldering iron.

Showing **"Ensemble"** ready to wire

Premier "Ensemble" Radio Receiver (Cabinet not furnished) .... Each **$35.00**

Packed in individual display boxes and individual shipping cartons

Standard package 1/6

STEERING SLEDS

These sleds are well made and nicely finished. Knees of stamped steel; runners of best crucible steel, T shaped and so curved in front as to give a maximum length of steering surface, sled responds instantly without loss of speed, to the slightest bend in the steel runner made by the steering bar; gear and runners finished red enamel, tops of rock elm, beautifully painted and decorated.

Nos	130	131	132
Length, ins	33	36	40
Width, ins	11	12	13
Height, ins	6	6	6¼
Wt doz, lbs	80	90	100
Per Doz	$37 50	48 00	55 50

One-sixth doz in bdle

Per Doz

No. 133—Length 45 ins; width 14 ins; height 6¼ ins....$64 50

One-sixth doz in bdle; wt per doz 126 lbs.

SLEDS

Bent knees, made of rock elm, finished natural wood color, varnished. Seat board is painted red and has variety of painted ornaments. Flat shoes.

Per Doz

No. 162—Length 33 ins; width 12½ ins; height 10 ins $33 00

Half doz in crate; wt per doz 46 lbs.

HARDWOOD CLIPPER

Made of hardwood, with full round spring shoes. Finished on the natural wood, nicely varnished, with top board painted and decorated. Hand holes on the side. Per Doz

No. 102—Length 37 ins; width 11 ins..... $28 50

Half doz in crate; wt per doz 85 lbs.

DISPLAY RACKS

Substantially constructed throughout of black wrought steel pipe securely braced, adjustable for displaying all size wagons, sleds, etc. 1 inch base fitted with floor flanges with screw holes for fastening to floor, ¾ inch standards and ½ inch single arms. Height over all 72 inches; width top 35 inches; base 38 inches.

FOR BOY'S WAGONS AND SLEDS

Each

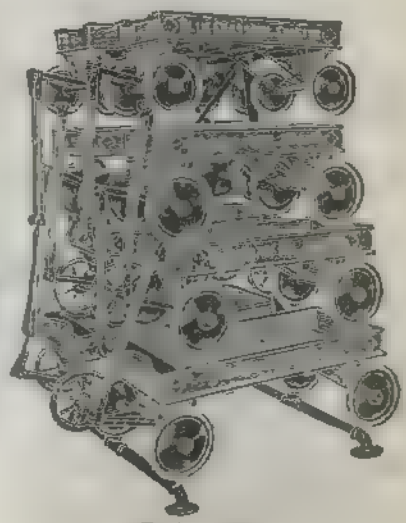
No. 1R—Displays 8 wagons ... $39 00

FOR SLEDS

Each

No. 3R—Displays 12 sleds.....$45 00

K. D. one in crate; shipping wt each 120 lbs.



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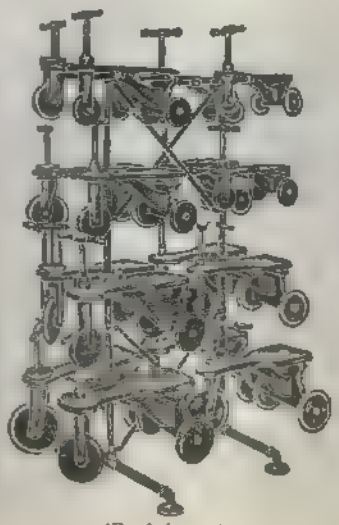


(Rack in use)

FOR KIDDIE KARS

Substantially constructed throughout of black wrought steel pipe securely braced, adjustable for displaying all size Kiddie Kars; 1 inch base fitted with floor flanges with screw holes for fastening to floor, ¾ inch standards and ½ inch double arms. Height over all 72 inches; width top 35 inches; base 38 inches.

Each

No. 2R—Displays 16 Kiddie Kars $48 00

K. D. one in crate; shipping wt each 135 lbs

SALT WATER REELS

EVERLASTER

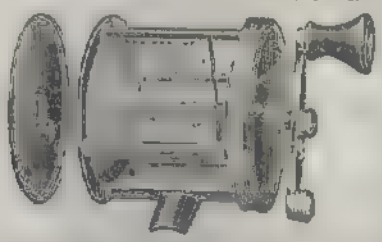
Surf Casting-Double Multiplying.

Generated spiral tooth gears; hard rubber disks, reverse metal bound; bushed for bearings, adjustable back sliding click; patented adjustable spring extension cup; steel pivots; balanced crank; nickel plated, with bakelite handle.

Nos.	2016	2017	2018	2019
Capacity, yds	150	200	250	300
Length pillar, ins	1⅞	2⅛	2⅛	2⅛
Diam disk, ins	3	3	3¼	3½
Wt each, ozs	18	18	24	24
Per Doz	$189 00	204 00	216 00	234 00

One in cardboard box

PFLUEGER



UNIVERSAL

Surf Casting-Double Multiplying.

Generated spiral tooth gears; patented thumb brake; bushed for bearings, adjustable back sliding click; front and back fancy oil-cups; pinion cover; steel pivots; improved one-piece cast cross plate; balanced crank with ratchet crank lock; nickel plated, with bakelite handle. Each

No. 459—Capacity 300 yds; length pillar 2¾ ins; diam disk 3¾ ins +$24 00

One in cardboard box; wt each 24 ozs

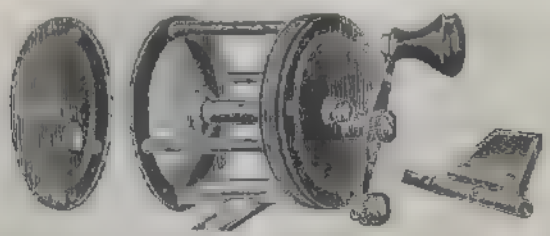
TEMPLAR

Double Multiplying.

Generated spiral tooth pinions; phosphor bronze gears; hard rubber disks, reverse metal bound; phosphor bronze bushed for bearings, patented thumb brake; adjustable back sliding click; patented adjustable tension oil-cup; steel pivots. Pflueger-Williams drag handle; drag handle stop with lever control; nickel silver finish with bakelite handles; complete oiling device

Nos.	1417	1418	1419	1419½	1420	1420½
Capacity, yds	200	250	300	400	450	500
Length pillar, ins	2⅛	2⅛	2⅛	2¼	2¼	2¾
Diam disk, ins	3	3	3	4	4	4
Wt each, ozs	18	24	24	28	30	32
Each	+$61 50	+66 00	+73 50	+87 00	+107 25	+120 00

One in cardboard box.



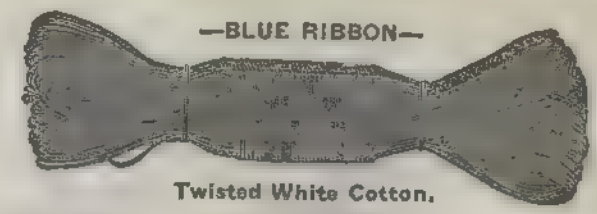
Gears made of special bronze metal to prevent teeth from stripping or binding; steel pivots; cog post; click spring and tongue and ratchet; solid cast cross plate; leather thumb brake; balance crank with hard rubber handle; ratchet crank lock; nickel plated. Per Doz

No. 59—Capacity 300 yards of No. 21 Cuttyhunk line; length pillars 3 in; diam disks 3⅞ in; wt each 36 ozs +$255 00

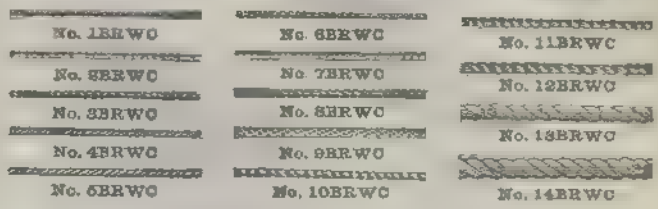
One in cardboard box.

+F. O. B. Ohio Factory Only.

FISHING LINES



Twisted White Cotton.



Illustrations are actual size.

In hanks of 20 feet; 12 connected.

Nos.	1BRWC	2BRWC	3BRWC	4BRWC	5BRWC
Size No	1	2	3	4	5
Per Gro Hanks	$4 50	4 95	5 40	5 70	6 30

Nos.	6BRWC	7BRWC	8BRWC	9BRWC
Size No	6	7	8	9
Per Gro Hanks	$6 60	7 20	7 95	9 00

Nos.	10BRWC	11BRWC	12BRWC	13BRWC
Size No	10	11	12	13
Per Gro Hanks	$9 60	10 80	12 60	13 80

Nos.	14BRWC	15BRWC	16BRWC	18BRWC
Size No	14	15	16	16
Per Gro Hanks	$15 00	16 50	18 00	21 00

Half gro hanks in cardboard box.

It is equally important to sell your customers good fishing tackle as it is to sell them good hardware, furniture or anything else. A cheap, inferior reel or rod soon causes a disatisfied customer. Selling them better quality merchandise creates friendship and good will.

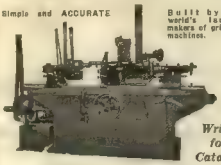
LANDIS

4 A Special Grinder

—a tool especially designed to cut costs in repair shops. You waste time with a machine designed for production grinding. What you need is this grinder that can be quickly changed from one job to another.

Simple and ACCURATE

Built by the world's largest makers of grinding machines.



Write for Catalog

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New York Office, 30 Church St.

EXCEL Auto Jack

Indispensable Time Saver in Tire Changing and Car Washing

Practically Indestructible

Over 15,000 Now in Use

	Lowest	Highest
Main Lift .	10½"	24½"
Toe Lift . .	4½"	15"

GUARANTEE

All parts rigidly examined for defects and every Excel Jack tested by lifting over 3,000 lbs. List price, $30 each. Net price to Service Stations, $22.50 F.O.B Branford, Conn. 2½% off, cash with order. Shipping weight, 51 lbs. (wired, not crated)

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W. A. RANDALL, Mfr.
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THE

Universal Push Button

List Price, 30c each

SIMPLE STRONG RELIABLE

Makes instant contact from any angle.

Pleasing in appearance.

Finished in Black Lustrous Enamel.

OVER 5,000,000 IN USE

General Phonograph Mfg. Co.
ELYRIA, OHIO

Suggest a Battery Test

when your customers stop for gas—ask about a battery test. This Weston High Rate Discharge Battery Tester tells you the actual working condition of any battery.

With it you can quickly show your customer if his battery needs servicing. It tests the battery while under heavy discharge, giving individual cell voltages—the only true battery test. No need to remove battery from car or even to stop engine. Range of voltmeter on this handy prod. 3-0-3 volts. Scale easily read.

Send for Booklet "H." It illustrates, describes and gives prices of Weston Instruments and Accessories for Automotive Service.

Weston Electrical Instrument Corp.

4 Weston Avenue Newark, N. J.

STANDARD THE WORLD OVER

WESTON

Pioneers since 1888

Fairbanks Auto-Truck Scales

Auto-Truck Scales

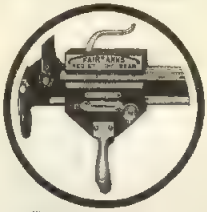
The extensive use of auto-trucks by dealers in coal, iron, building material, grain and other commodities, to increase the efficiency of their delivery service, has pointed out the need for scales of the required capacity and reliability to weigh these loads accurately. The conditions of this service are far more severe than those surrounding the ordinary wagon scale. It is well known that the majority of auto-trucks carry approximately eighty five per cent of the total load on the rear axle. This load is thus concentrated upon one end of the scale. Furthermore, the shock of starting and stopping the motor on the platform produces an unusually heavy strain or impact upon the scale mechanism.

These considerations, in connection with the heavier loads carried, have led to the development of the Fairbanks Auto-Truck Scale—a scale of distinctive design and highest refinements—to successfully meet the needs of this service. The lever system follows the style of the well known Fairbanks Railroad Track Scale, covering equally well every advantage of construction to produce lasting accuracy. The parts are of heavy section, precisely fitted and assembled The pivots and bearings are of special hardened tool steel and of exceptional bearing length, to lessen wear. The design of the pit, foundations and lever supports is in keeping with that of the scale proper, concrete and steel being very generally used.

No.	Capacity Tons	Size. Platform	Price, Compound Beam and S. I. P. Outfit
11351—Rigid Bearing	15	18′ x 9′	$910.00
10794—Rigid Bearing	20	20′ x 9′	1010.00
10796—Rigid Bearing	20	24′ x 9′	1075.00
11479—Suspension Bearing	10	18′ x 8′	800.00
10789—Suspension Bearing	15	18′ x 9′	1010.00
11150—Suspension Bearing	20	20′ x 9′	1205.00
11152—Suspension Bearing	20	24′ x 9′	1270.00

Extra for Type Registering Beam, $160.00
Prices include only Scale Levers and Beam Outfits

Fairbanks Wagon, Stock and Auto-Truck Scale Beams



Type-Registering Beam
Gives an Indisputable Printed Record of Every Weight

Weight records have little value unless they can be proved correct. Many annoying controversies originate from errors in entering or copying scale beam readings, and the loss due to allowance of claims which cannot be defended is a serious item in any business.

The Fairbanks Type Registering Beam prints a plain and accurate record of each weighing. When dated and signed, it becomes *an indisputable record*. Its appearance inspires confidence and in defence of claims for shortage or error, its exhibition puts an end to all argument.

Fairbanks Wagon, Stock and Auto-Truck Scales of any capacity can be equipped with Fairbanks Type Registering Beam, allowing the owner to furnish his customer an orginal printed record of the weight of the load at the time of purchase, at the same time keeping a copy for his own use.

The Fairbanks Type Registering Beam is a single full capacity beam, fitted with a metal type strip and a printing mechanism made part of the poise itself This poise runs on smooth turned rollers upon the milled top of the beam, the back roller having a V shaped groove corresponding to a rib milled on the beam, which prevents the poise from sticking or jumping off. The poise has a handle at the top, the end of which engages with notches on the beam, so that the poise must always rest *over a graduation* and not between two. A fractional poise is operated by a knurled knob on the front of the main poise The face of the beam is beveled for convenience in reading, of special advantage when the operator faces the light.

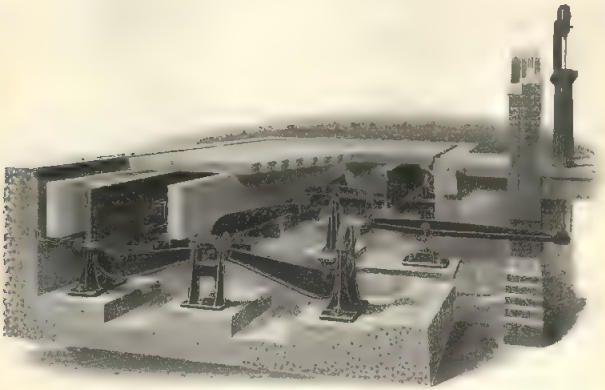
The type registering ticket is placed in a slot in the poise. The printing plunger is operated by a handle of convenient shape, in conjunction with a stationary handhold attached to the front of the poise, this combination allowing for the required pressure without twisting the beam in its hangers A slide on the poise allows for gross and tare weights. The entire mechanism is of the simplest character, without complicated or delicate parts no cogs or cams, wheels or moving type nothing to get out of order The type is of hard bronze, cast in short, interchangeable sections, convenient for renewal and is attached to the bottom of the beam in such a way that the correct alignment of figures is not disturbed by constant use. The beam is finely and precisely made, every notch being sealed individually by hand with standard weights It is handsomely finished in highly polished nickel plate, with black enamel body, an ornament to any office.

This beam is furnished on order only, in capacities as given below.

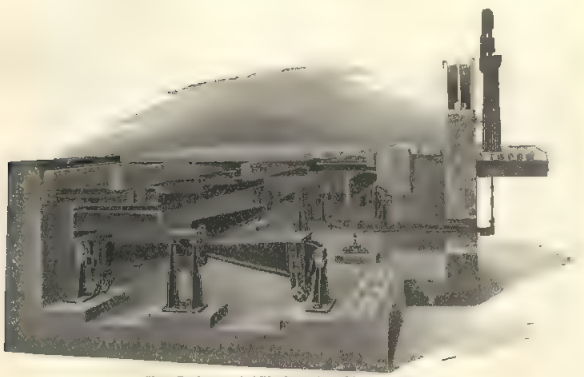
Dimensions and Graduations of Fairbanks Type-Registering Beams

Capacity	Graduations Main Beam	Graduations Fractional Beam	Length Over All
5 tons	10,000 lbs. by 100 lbs.	95 lbs. by 5 lbs.	47 1/4"
6 tons	12,000 lbs. by 100 lbs.	95 lbs. by 5 lbs.	47 1/2"
10 tons.	20,000 lbs. by 100 lbs.	95 lbs. by 5 lbs.	63 1/2"
15 tons.	30,000 lbs. by 100 lbs.	95 lbs. by 5 lbs.	77 1/4"
20 tons.	40,000 lbs by 1,000 lbs.	990 lbs. by 10 lbs.	51"

Fairbanks Auto Truck Scales

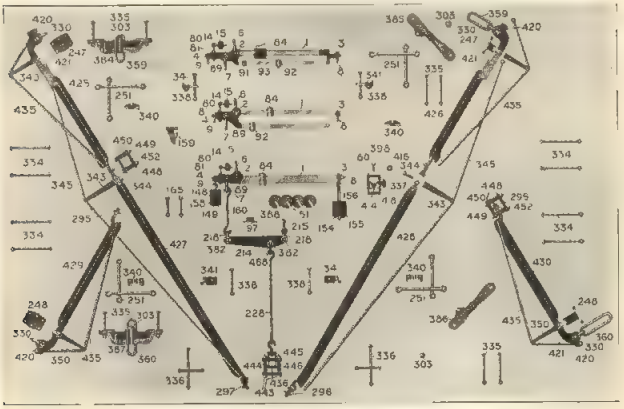


Shallow Pattern, Rigid Bearing, Auto Truck Scale



Type P—Suspended Platform Auto Truck Scale
This scale can also be built for shallow pit where necessary

Fairbanks Wagon Scale Details



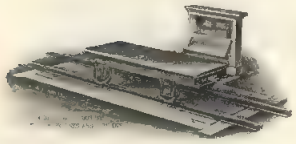
SCALE REPAIR LIST—FAIRBANKS WAGON SCALES

No.	Name
1	Beam
2	Fulcrum Pivot
3	Tip Pivot
4	Butt Pivot
6	Fulcrum Loop
7	Load Loop
8	Tip Loop
9	Butt Loop
14	Balance Ball Rod
15	Balance Ball
80	Balance Ball Post
81	Balance Ball Post Nuts
84	Poise
87	Poise Set Screw
89	Load Pivot
91	Fractional Poise
92	Tare Poise
93	Tare Bar
148	Back Balance Stem
149	Back Balance Cup
151	Counterpoise Weights
154	Counterpoise Cup
155	Counterpoise Top
156	Counterpoise Stem
158	Back Balance Weights
159	Beam Hook
160	Beam Rod
165	Beam Hook Bolt
180	Trip Loop Bolt
197	Thimble
214	Shelf Lever
215	Shelf Lever Eyebolt
218	Shelf Lever End Loops
228	Steelyard Rod
247	Bearings 1 and 2
248	Bearings 3 and 4
251	Check Rods
295	Button Nose Iron
296	Long Lever Nose Iron Double Pin
297	Long Lever Nose Iron Single Pin
303	Swivel Block
330	Main Loop
334	Platform Bolts
335	Corner Iron Bolts
336	Cupboard Bolts
337	Spliced Bolts
338	Stay Iron Bolts
340	Flat Stay Irons
341	Square Stay Irons
343	Truss Post at Center of Long Lever
344	Truss Post Bolt
345	Truss Rod
349	Truss Post for Butt Lever
350	Truss Post for Shot Lever
359	Links 1 and 2
360	Links 3 and 4
382	Shelf Lever Pivots
384	Corner Iron No. 1
385	Corner Iron No. 2
386	Corner Iron No. 3
387	Corner Iron No. 4
388	Shelf Lever Eyebolt Nut
398	Thumb Piece
414	Trig
416	Trig Loop Bolt Washer
418	Loop of Trig
420	Main Pivot
421	Flat or Load Pivot
425	Left-hand Butt Lever
426	Right-hand Butt Lever
427	Left-hand Splice Lever
428	Right-hand Splice Lever
429	Left-hand Short Lever
430	Right-hand Short Lever
431	Left-hand Long Lever Complete
432	Right-hand Long Lever Complete
433	Left-hand Short Lever Complete
434	Right-hand Short Lever Complete
435	Truss Rod for Short or Butt Lever
436	Shackle Bearing Cups
443	Shackle Bolts
444	Shackle Spreader
445	Shackle Top Plate
446	Shackle Bottom Plate
448	Center Shackle Bottom Plate
449	Center Shackle Bolts
450	Center Shackle Spreader
452	Center Shackle Bearing Cups
468	Shelf Lever Load Loop

Repair parts list for scales Nos. 11514 and 11492 will be forwarded on request.

Metal Trades and Mining Scales

BUILT-IN SINGLE TRACK SCALE



For use at factories, foundries, steel works and the like, or weighing heavy materials and products in transportation.

21½-inch gauge track is usually employed.

The platform covering as illustrated, is of planking to which the rails are spiked, but may be of cast-iron plate with rails formed in the castings by proper shrinkages.

	Price
No 2294 4 tons 5′ 1″ x 30″ D. B —	$205.00
Extra for Compound Beam.....	40.00
Extra for Type Registering Beam....	200.00

COAL TIPPLE SCALE

The successful operation of a coal mine is dependent upon its Tipple Scale more than upon any other single piece of machinery used. It fixes the labor cost of the operator—it measures the output of the mine. It is the place where interests of owner and miner meet. The scale should protect both—it can do so only through consistent accuracy.

The Tipple Scale is built into the tipple, having a weigh-hopper suspended from its levers, to take the coal directly from the mine cars, whence it is screened into the railroad cars below. Each scale is adapted to the design of the tipple and is arranged for greatest convenience, but we list below three regular modifications to meet general conditions.

Scale is equipped with a single beam, graduated 1,000 pounds by 2½ pounds, and scale mechanism is furnished to install the beam in an enclosed beam box above the levers. When especially so ordered at an extra price, the beam may be installed below the levers as shown in cut or placed in the office of the weighmaster. Scales may also be fitted with Quick Weighing attachment. All material for erection is to be supplied by purchaser.

Prices do not include Timber or Beam Box.

This illustration shows beam placed below mechanism, which calls for an extra price. Scales are regularly furnished for beam above mechanism.

Coal Tipple Scale adapted for Beam Box above the Levers.

No.	Capacity	Platform	List Price
2149	6 T. x 2½ lbs.	14′ x 7′ 6″	$260.00
2151	10 T. x 2½ lbs.	14′ x 7′ 6″	325.00
11347	15 T. x 2½ lbs.	14′ x 7′ 10″	405.00
11348	20 T x 2½ lbs.	14′ x 7′ 10″	495.00

Note.—Above code numbers include only scale mechanism and beam outfit.

Note.—In the platform sizes above, the first figure is the dimension parallel with the beam.

Metal Trades and Mining Scales

QUICK WEIGHING OUTFIT

This equipment is used at mine tipple, docks and terminals to give quickly the net weight in hopper or in coal car passing over the scale. It consists of a dial and counterpoise attached near the end of the beam and a dash-pot at the tip to prevent vibration. This dial is divided into alternate red and white blocks, each representing 50 pounds. Loose weights are used on the dial counterpoise. Tare is taken upon the beam, each reading of the dial and counter poise giving directly the *net* weight of the coal within fifty pounds. The loads can be weighed in succession, the dash-pot absorbing vibration and thus steadying the dial indicator each time.

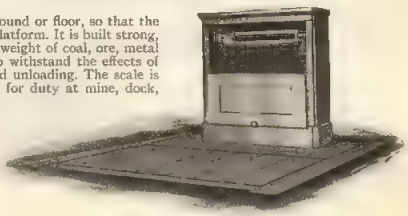
All parts are finely finished, the beam and poise being of polished brass. The outfit may be furnished complete for attaching to scale already in use, or as part of new scale. Furnished either single or double beam as below.

Quick Weighing Outfit

No	Capacity	Dial	Beam	List Price
10670	5 Tons	14″—5,000 x 50 lbs.	Double	**$260.00**
10671	5 Tons	14″—5,000 x 50 lbs.	Single	**260.00**
10672	5 Tons	8″ 2,000 x 50 lbs.	Double	**210.00**
10673	5 Tons	8″—2,000 x 50 lbs.	Single	**210.00**

Extra list price for Quick Weighing Outfit, complete, including Beam Box or Shell and Hangers, when furnished with Scales: For **10670** and **10671**, **$195 00**; For **10672** and **10673**, **$145 00.**

BUILT-IN OR INDUSTRIAL RAILWAY SCALES



This scale sets directly into ground or floor, so that the loads may easily come onto the platform. It is built strong, with heavy parts, to sustain the weight of coal, ore, metal and other heavy material and to withstand the effects of jar and shock due to loading and unloading. The scale is thus very practical and efficient for duty at mine, dock, terminal or industrial plant, being also suitable for use with narrow gauge track or industrial railways.

When desired, the beam outfit will be enclosed in a substantial beam box for pro tection under outdoor service and fitted with a convenient drop door. The distance between edge of platform and beam box is unusually great, to allow projecting loads to clear, and also to give standing room for the weighman near the beam.

The double *arrow-tip* beam shown above is recommended for general use, but the scale may also be fitted with full capacity beam or Dial Quick Weigher. The double beam is of brass, graduated 500 x 2 pounds on both bars of all scales. These scales may also be furnished with the charging beam outfits on special order. Foundations and timber to be supplied by the purchaser. Scales may also be framed entirely of steel.

Prices do not include Timber or Beam Box.

No.	Capacity	Platform	Platform to Beam Rod	List Price with D. B
11343	4 T. x 2 lbs.	6′ 0″ x 4′ 11¾″	1′ 6 ¾″	**$210.00**
11198	6 T x 2 lbs.	6′ 0″ x 4′ 11¾″	1′ 6 ¾″	**245.00**
11199	10 T x 2 lbs.	6′ 0″ x 4′ 11¾″	1′ 6 ¾″	**315.00**

Extra for Compound Beam, **$40.00** Extra for Type Registering Beam, **$200 00.**

Compound Suspension Scales

This form of scale is designed for weighing articles of all kinds in the act of being loaded, unloaded or otherwise moved by cranes. The goods are weighed as they are lifted, the time and labor of placing on and removing them from a platform scale being saved.

It is especially adapted for use in iron and steel mills, foundries, shipyards, etc., for weighing castings and forgings, plates, boilers and machinery of all kinds, and is also useful on docks and railway platforms for weighing material during removal from ships, canal boats, railway trucks, warehouses, etc.

These machines are constructed upon the same compound lever principles which have secured for all Fairbanks' Scales their reputation for durability and accuracy. There are no springs nor hydraulic appliances to get out of order. All the bearings are of the finest steel, carefully tempered and hardened, the other working parts being strongly forged of the best iron and steel.

All parts liable to injury are amply protected by an iron and steel box surrounding the levers

As the entire capacity of the scale is indicated upon the beam no loose weights are required.

A large balance ball is provided to take the tare of slings, etc. While adapted for much rough usage, the scale will prove more durable if used only for vertical lifts.

COMPOUND SUSPENSION SCALES

Prices are for Scales only, exclusive of Hoist

No.	Capacity	Height of scale Loop to Hook	Weight	Price Scale Only
276	2 500 x 2 lbs	31″	140 lbs	$200 00
280	5 000 x 5 lbs	34″	210 lbs	325 00
286	10,000 x 5 lbs	36″	260 lbs.	460 00
290	20 000 x 5 lbs	44″	430 lbs.	650 00
292	30 000 x 5 lbs	45″	580 lbs	725.00
294	40 000 x 5 lbs	65″	825 lbs	850.00

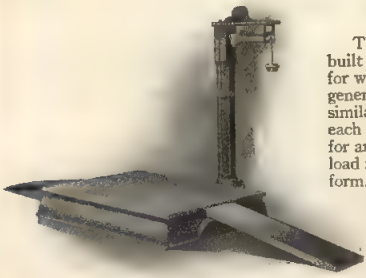
YALE SPUR GEARED HOISTS

for Compound Suspension Scales†

For Scale No	Capacity in Tons	Standard Lift in Feet Hoist	Standard Lift Hoist and *Scale	Hook to Hook on Hoist	Top Hook of Hoist to Bottom Hook of Scale
276	1	8	5′ 5″	1′ 4″	3′ 11″
276	1½	8	5′ 5″	1′ 6″	4′ 1″
280	2	9	6′ 2″	1′ 9″	4′ 7″
280	3	10	7′ 2″	2′ 8″	5′ 6″
286	4	10	7′ 0″	3′ 1″	6′ 1″
286	5	12	9′ 0″	3′ 9″	6′ 9″
290	10	12	8′ 4″	4′ 6″	8′ 2″
292	16	12	8′ 3″	5′ 2″	8′ 11″
294	20	12	6′ 7″	5′ 10″	11′ 3″

† Prices on application

* When the lift given is not sufficient, extra Hoist can be furnished. Prices on application.



WHEELBARROW SCALE

All metal, with incline brackets

The scale shown above is strongly built of metal throughout, adapted for weighing wheelbarrow loads or for general use in the metal, fertilizer or similar trades. A bracket is cast on each end of the frame to form a rest for an incline, so that a wheelbarrow load may be easily run on the platform. A set of two wooden inclines is furnished regularly with the scale without extra charge. The *arrow-tip* beam is regularly single, graduated 100 x 1 lbs., and is of brass with set-screw poise. The scale is furnished either with or without wheels. Finished durably and attractively in black, all well varnished for protection.

No.	Capacity	Platform	List Price With Wheels	List Price Without Wheels
1384	1,000 x 1 lbs	42" x 30"	$130 00	$124 00

Extra for Double Beam, $15 00

PORTABLE PLATFORM SCALE

With Rack Platform

For convenient weighing under severe service, this strong, heavy scale is provided with an extra iron-covered wood platform with iron racks. Large rubber cushions are placed between the two platforms to absorb the shock and strain of loading and unloading. Large solid, reinforced web wheels are used, bringing the platform high so that overhanging loads will clear the ground. A vibratory axle with convenient handle, allows scale to be easily turned in small space. The *arrow-tip* beam is single, of brass with set-screw poise.

Beam 200 x 1 lbs.

No	Capacity	Platform	Height of Platform	Price
1420	6,000x1lbs.	31" x 40"	22"	$364.00

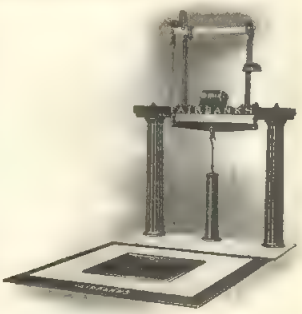
Grain and Flour Scales

SELF-CONTAINED HOPPER SCALE

This scale is adapted for use in the country elevator for receiving and loading out grain, for checking wagon scale weights, for mixing and blending grain, or for use in small grain warehouse, mill or floating elevator.

It is a self-contained scale with short iron pillar outfit. The platform is flush with the floor and has a framed square hole to receive the hopper. The grain is discharged from the hopper directly through the bottom of the scale.

The *arrow-tip* beam is single, of brass with brass poise and set-screw. Weights are supplied in combinations to make up the full capacity of each size. The hopper is in every case to be supplied by the purchaser. Durable and attractive finish, well varnished.

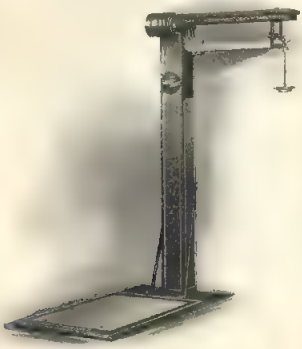


No.	Capacity	Platform	Hopper Opening	Beam	Platform to Beam Supp.	List Price
1608	60 bu—3 600 x ½ lbs.	42" x 44"	15" x 15"	100 x ½ lbs	12 x"	$185 00
1612	100 bu—6 000 x ½ lbs.	48" x 49"	22" x 22"	100 x ½ lbs.	23"	250.00

Extra for Combination Grain Beam, $70 00

Note.—In the platform sizes above, the first figure is the dimension parallel with the beam.

SELF-CONTAINED SCALE



For weighing barrels of flour or other material of any net weight up to 500 lbs. this scale offers special convenience and splendid accuracy. The platform is designed to set flush with the floor so that barrels may readily be rolled off and on, and its size is such as to accommodate these loads.

To withstand the jar and shock of this comparatively heavy service, the scale is built strong, with pillar well braced with iron rod. The *arrow-tip* beam is of brass with brass poise and set-screw and is graduated 50 x ¼ lbs. A small tare bar may be furnished to balance the weight of sacks, on special order at an additional price. Counterpoise weights of the effective value of 50, 98, 100, 196, and 200, respectively, are furnished with the scale to allow of conveniently weighing any standard sized barrel, sack or package.

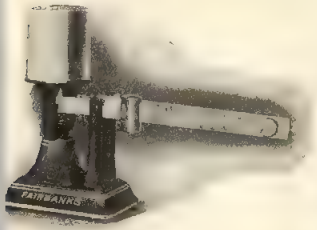
Durably and attractively finished in blue and gold, all well varnished for protection.

No.	Capacity	Beam	Platform	List Price
1668	500 lbs.	50 x ¼ lbs	16" x 25"	$78 00

Note.—In the platform size above, the first figure is the dimension parallel with the beam

Grain and Flour Scales

PERCENTAGE SCALE WITH CUP



The beam indicates by upper row the number of pounds per bushel, and by lower row the percentage of waste or dirt.

To ascertain the weight per bushel, fill the receiver and strike off level with the top. Move the poise to a balance, and read the graduation on the upper row.

To ascertain the percentage of dirt or foul seed, set the poise at 100 per cent, fill the receiver until the scale balances. Winnow or otherwise clean the grain, return the residue to the receptacle, move the poise till the beam balances, and it will indicate the percentage of good grain.

No. 3068—Capacity, 1 gill cup—**Price $16 00.**

Prices on larger sizes quoted on application.

PERCENTAGE SCALE WITH SCOOP

The market value of seed is determined by its purity as a mass. The seed is always accompanied by dirt, hulls, foul seed and the like, and the correct percentage of this dirt may be easily found.

Any kind of seed or grain may be tested, the scale being found particularly desirable for flaxseed. One pound of the seed as it comes, is weighed out on the scale and then thoroughly sifted. The remaining clear seed is then replaced in the scoop and the poise moved to a balance. The percentage of dirt in the seed may then be accurately read directly from the lower graduations on the beam.

The scale is of special design, with round iron plate to hold a brass seamless scoop narrowed at one end for convenience in pouring the seed. The beam is of brass with a brass sliding poise and graduated above to one pound in quarter-ounce graduations and below to 100 per cent by 1 per cent graduations.

No. 485—Capacity 1 lb. x ¼ oz.—**Price $18.00.**

GRAIN TESTER

All grains are graded into standard qualities for the purpose of fixing a definite market value, the grade being higher and more valuable as the grain is purer, sounder and heavier. To determine the weight and purity, a Fairbanks Grain Tester is customarily used as a standard. The scale shown below is small, compact, convenient and easy to use so that the grain can be readily tested as it comes into country elevator, terminal elevator, or into a plant as raw material.

This outfit is adapted to be held in the hand and may be easily carried around. A polished brass measure holds the grain to be tested and a brass beam with sliding brass poise gives the test results quickly and accurately. The beam is graduated on upper row to 65 x 1 lbs. to give the weight per bushel direct; on lower row to 100 x 1 per cent to measure the percentage of loss in cleaning; in the middle to the capacity of the measure to give the exact weight of the sample.

To determine the cleaning loss, set the poise on the 100 per cent mark and fill bucket with grain to balance. In the case of light grain two drafts may be necessary. After cleaning, the grain is returned to the measure and the poise moved to a balance. The figure indicated on the lower row is the percentage of good grain, the difference between this figure and 100 per cent giving the percentage of dirt.

No.	Capacity	Middle Graduation	List Price
3074	1 pint	1 lb. x ¼ oz.	$24.00
3076	1 quart	2 lbs. x ½ oz.	27.00
3078	2 quarts	4 lbs. x 1 oz.	30.00

Home Health Scale With Full Capacity Beam

The value of closely noting and following the continual changes in personal weight is today universally recognized by physicians, physical culturists and everyone interested in attaining and maintaining health. Every change in weight is the result of some physical condition—it may show the desired effects of beneficial treatment; it may point out the necessity for new or different treatment.

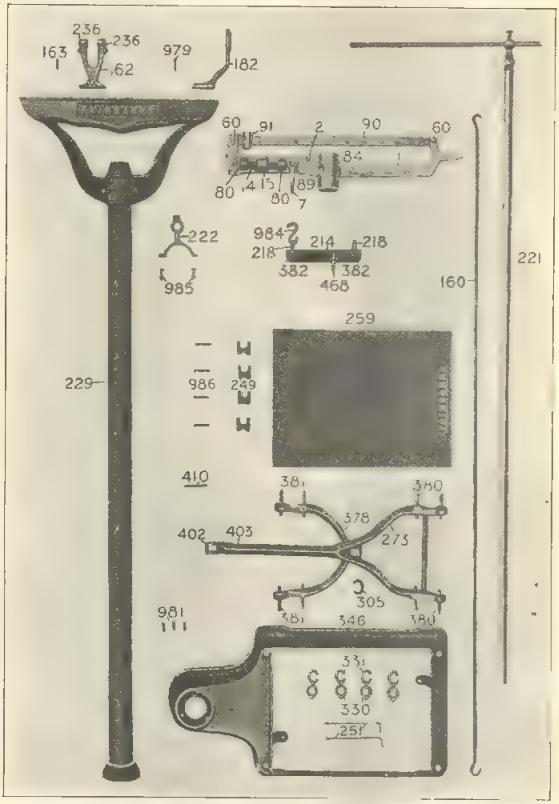
The Fairbanks Personal scale, placed in bathroom or bedroom offers every family the advantage of obtaining personal weight without clothes as frequently as desired. It is convenient and easy to use, takes up but small space, and is handsomely finished to ornament any home. Above all, its fine accuracy and sensitiveness give weights that can be absolutely relied upon to be authentic.

The tall iron pillar is surmounted by a full capacity beam on a level with the user's eye and free from shadow, so as to be easily read. This beam has the full 300 lbs. x 4 oz. capacity upon its bars, doing away with loose weights which may drop and injure floor or toes. The No. 1265 scale is furnished with an accurate, adjustable measuring rod for giving personal height, graduated from 2 feet 6 inches to 6 feet 6 inches by ½ inch. Beam and measuring rod may be graduated to metric or other standards, if desired. The finish is in white enamel, with *arrow-tip* beam, sliding poises and measuring rod, all of polished nickel-plated brass. Rubber mat for platform may be furnished at an additional price.

With Full Capacity Beam

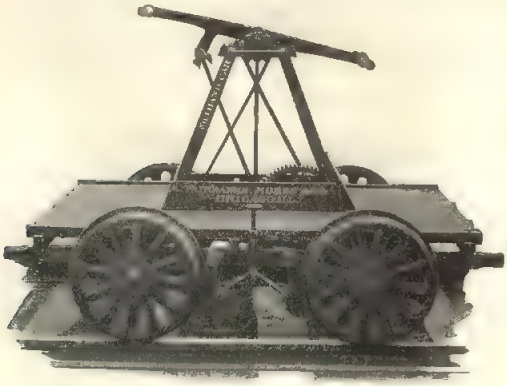
No.	Description	Capacity	Platform	List Price
1263	Without measuring rod	300 x 4 oz	10½"x 14"	$47.00
1265	With measuring rod	300 x 4 oz.	10½"x 14"	63.00

Beam Graduations: Upper bar, 50 x ¼ lbs. lower bar, 250 x 50 lbs.
Measuring Rod: 2 ft. 6 in. to 6 ft. 6 in.
Height: Floor to tip of beam, 58½ in.



PERSONAL SCALE REPAIR PARTS

No.		No.		No.	
1	Beam	182	Cap Loop	346	Frame
2	Fulcrum Pivot	214	Shelf Lever	378	Short Lever
7	Load Loop	218	Shelf Lever End Loops	380	Long Lever Bearing Pivot
14	Balance Ball Rod	221	Measuring Rod	381	Short Lever Bearing Pivot
15	Balance Ball	222	Measuring Rod Bracket	382	Shelf Lever Pivots
60	Fractional Bar Screws	229	Pillar	402	Nose Iron
80	Balance Ball Stem	236	Pivot Caps	403	Nose Iron Adjusting Screw
84	Main Poise	249	Bearing Feet	410	Platform Pins
89	Load Pivot	251	Check Rods	979	Cap Loop Bolt
90	Fractional Bar	259	Platform	981	Pillar Screws
91	Fractional Poise	273	Long Lever	984	Shelf Lever Hook
160	Beam Rod	305	Center Ring	985	Measuring Rod Bracket Screws
162	Beam Stand	330	Main Loop	986	Bearing Feet Pins
163	Beam Stand Bolts	331	Link		



No. 1204-1 Standard Section Hand Car

Fairbanks-Morse Sheffield Standard Section Hand Car

No. 1204-1

These Hand Cars have a record for long service.

Platform, 6 feet 1 inch long, by 4 feet 4½ inches wide. Wheels, all-steel or wood center, 20 inches in diameter Steel wheels are standard and always furnished unless otherwise ordered. Wood center wheels can be furnished at an additional price.

Our steel wheel cars can be insulated for use on roads having the electric block signal system

Supplied with or without Hyatt Roller Bearings

Gauge. 4 ft. 8½ inches.

Capacity.—4,000 lbs

Weight. About 540 lbs.

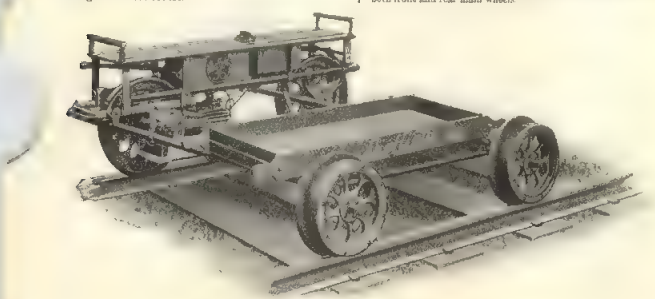
Fairbanks-Morse Sheffield Gasoline Maintainers Motor Car

No. 1205 36

The No. 36 is a light, powerful, all-steel inspection car—simple, efficient, dependable. For Signal Maintainers, Linemen, Road-masters, Bridgemen for any department that needs a light car

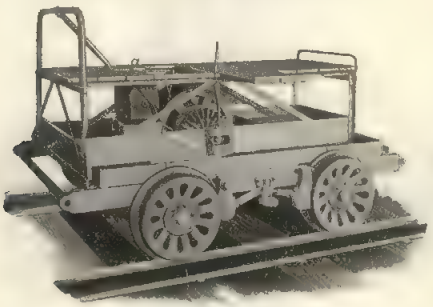
The horisontal, two-cylinder, two-cycle, air-cooled engine drives direct on the front axle—one cylinder on each side No valves, cams, gears or chains or other small parts to wear and give trouble —no water trouble.

The frame is all steel, giving light weight with strength the guide arms are steel firm and rigid There is an effective brake on both front and rear main wheels



No. 1205-36—Two Cylinder

Fairbanks-Morse
Section Motor Car and Power Unit



No. 1203-44

This car has pressed steel channel, automobile type frame securely riveted, especially designed for strength and lightness. Tubular cross members at front and rear.

Substantially built body is assembled to the steel frame. The seat is 70½" long x 27¾" wide with extra seat for the operator There is sufficient room for nine men and tools.

The No. 44 car is powered with a 4¾" x 4¾" horizontal, single cylinder, two-cycle, reversible, hopper cooled engine, especially designed for this car and giving remarkably high torque at low speeds. The engine is free running and is provided with a crank for starting

The connecting rod is drop-forged from high grade carbon steel and specially heat treated for strength and toughness.

The lubrication of the engine is automatic inasmuch as it is accomplished by mixing lubricating oil with the fuel.

The power of the engine is transmitted to the rear axle and wheels by means of a specially designed air cooled clutch, sprockets and chain. The clutch is of the self-contained disc type mounted on an extension of the crank shaft and so arranged that no end thrust is transmitted to the crank shaft bearings.

It is provided with the highest grade friction facings of large capacity thus insuring positive engagement and long wear. The clutch is operated by means of a lever extending through the seat top in the most convenient location for the operator

The car is equipped with a powerful braking mechanism exerting braking power on all four wheels and operated by means of a conveniently located foot pedal. Adjustment is provided for taking up the wear of the wooden brake shoes

Every engine and car is thoroughly run-in and tested for running efficiency and adjustment

Dimension—Extreme length overall, 7', 0"; extreme width overall, 5' 4"; extreme height above rail, 47½"; height from rail, to top of seat, 33½"; height from rail to top of deck, 18½"; width of deck each side of seat, 12", minimum clearance above rail, 3¾".

Weight -1,035 pounds.

Gauge—4', 8½".

Wheel Base—37".

Wheels—16" diameter, hot pressed steel wheels ⅜" plate, 3½" tread, M. C. B flange, forged steel hub, taper fit on axle. One bronze bushed loose wheel so that car may be readily removed from the track. This loose wheel is provided with means of lubrication thus preventing wear. All wheels have ground tread.

Axle Bearings The axles run in Timken tapered roller bearings housed in axle boxes made from certified malleable iron castings.

Fairbanks-Morse
Power Unit

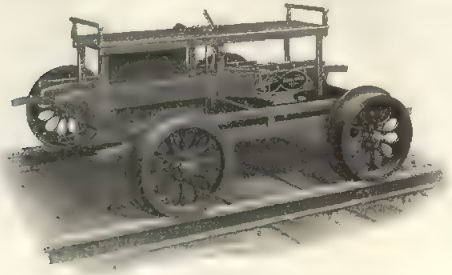
The complete power unit and transmission as used on the No 44 Motor Car, can be supplied for fitting on any well-built car.

In this outfit Fairbanks-Morse engineers have designed a unit that is remarkably efficient and at the same time is simple enough to enable the section man to install it without difficulty.

The engine and friction clutch are bolted solidly to the car and power is delivered to the rear axle by means of a sprocket chain. Various speeds of the car may be obtained and loads easily started by slipping the clutch which is so designed that it can be slipped continuously for several hours without harm.

Fairbanks-Morse Sheffield Light Center Load Car

For Roadmasters, Supervisors, Signalmen, Etc.



No. 1200-41

AIR COOLING

The **air cooling** eliminates pump and connections, radiator and other parts of a water cooling system—gives an engine of light weight—avoids water troubles handling and running out of water on the road, and the damage and delay from freezing.

DRIVE

The car is propelled by means of a 37-tooth spur gear on the rear axle, driven by a 24-tooth gear on the engine shaft the ratio thus being 1.54 to 1. These gears are of extra large proportions, being 6 pitch and 1¼" face, hardened steel forgings. The axle gear is secured to its shaft by means of a taper fit, nut and key. The engine shaft gear is integrally forged with the shaft. The rear axle has a steady-bearing at the center near the driving gear, the steady-bearing box being attached directly to the crank case—insures correct center distances and proper meshing of the gears. The center bearing is located on one of the crank cases, which is attached to the special engine sills. The sills are supported in turn by another cross sill extending to the rear axle boxes. Thus, by this rigid system, the alignment of the rear axle end bearings and center bearing is assured.

AXLES

Front axle is 1¾" diameter. Rear, or drive axle, is 1⅞" diameter.

WHEELS

17" diameter, wood center, ⅜" steel tires, 2½" tread, standard M. C. B. flange. They're put on with a taper fit—can't wabble or loosen. Loose wheel on front axle so that car may be easily removed from track.

AXLE BEARINGS

Both Hyatt roller bearings, 1¾" diameter journals. The axle boxes are malleable iron castings and are fitted with fibre thrust washers with integral mud guards.

LUBRICATION

The lubricating oil for the engine is mixed with the fuel before filling the tanks. From the tanks it is taken with the fuel through the fuel injection device into the crank case, giving automatic and positive lubrication to piston, cylinder and connecting rod bearings. This lubrication is always in direct proportion to the service the car is being called upon to perform, starting automatically when the car starts, stopping when the car stops and giving proportionately more or less oil as the speed of the car is high or low. The crank shaft bearings and the rear axle steady-bearing are provided with large grease cups. The axle boxes are provided with an easily accessible oiling system.

EASY STARTING

Here's a big exclusive feature of the No. 41 Car—an **automatic primer.** It makes starting easy, even in coldest weather. Just a few explosions of gasoline and she's under way on kerosene. No time wasted. No fussing to start. Simply close the air shutter by throwing the lever on deck, then a short push along the track. Result, a fine rich mixture drawn into the cylinder: a few drops of liquid gasoline taken into small well in the intake manifold. This gasoline is **atomized** by being sucked into the cylinder by-passes and blown into the combustion chambers—made easily ignitable.

IGNITION

Jump spark—a complete positive system.

TIMER

Special Bemus model, with hardened ball and roller contact, is easily accessible for inspection and lubrication.

BATTERY—Five dry cells.

INSULATION

Wood center wheels form effective insulation, preventing interference with automatic signals.

FRAME

Wood frame, reinforced with steel. A big feature of the No. 41 frame is the supporting of the engine and driving axle centre bearing on sills independent of the main frame members.

CONTROL

One spark lever and one throttle lever are provided on the seat top, and the needle valve of the fuel injection device is also extended through the seat for ready access. Likewise the lever of a two-way valve for controlling the gasoline and kerosene feed to the fuel injection device is extended through the seat top. The ignition switch is located on the seat near the other control members, and is so arranged that ignition may be provided or cut off from either or both cylinders. The operator can thus run the car from the seat, under complete and convenient control, with only one set of levers.

BRAKE

Powerful and long-lived band brake, acting on a malleable iron brake drum on the driving axle. Effectively operated by convenient hand lever at side of seat.

WHEEL BASE

40". Car cannot get crosswise of a frog. The light, well-balanced No. 41, with this wheel base, is easy to lift on and off the track.

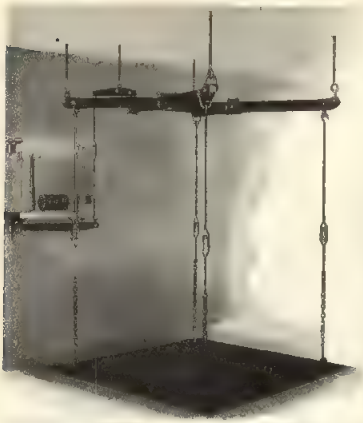
GAUGE—4', 8½".

DIMENSIONS

Length over all, 8', 7".
Width over all, 5', 3½".
Height from rail to top of brake handle, 33½".
Height from rail to top of seat handle, 22½".
Size of deck space each side of seat, 4', 2½" x 19½".
Distance from top of rail to top of deck 12".
Distance from top of deck to top of seat, 15¼".
Minimum clearance above rail, 4".

WEIGHT 460 pounds.

RAILWAY & CONTRACTORS' EQUIPMENT



Packing House and Market Scales

CEILING SUSPENSION SCALE WITH STEEL PLATFORM

This scale being suspended directly from the ceiling or timbers, no corner posts are necessary and connection is made to the beam fastened to a wall near the scale. It has the advantage of overhead mechanism, away from the effects of corrosion due to salt and moisture from meat, fish or other similar products on the platform below.

The steel platform is sanitary and durable, connection being made to the mechanism by iron rods and chains. The *arrow-tip* beam is double, of brass with brass poise and set-screw, and is graduated 100 x ½ lbs. on upper bar and 200 x 1 lbs. on lower bar.

No.	Code Word	Capacity	Platform	Height Platform above floor	List Price
19621.....	Obtain.....	4,000 x ½ lbs.	5′ 0″ x 5′ 0″	2″	$390.00

Note—Price includes scale mechanism with platform, platform rods to give 7′ 8″ from floor to ceiling, checking system and beam outfit, but no curbing.

OVERHEAD SUSPENSION SCALE WITH STEEL PLATFORM

The design of this scale adapts it for setting upon the floor, allowing for convenient trucking of loads onto the platform by means of wood curbing, as shown above. Where the scale is located on concrete flooring, this construction does away with the necessity of cutting a hole in the floor. For sanitary purposes, the removal of the curbing around the platform allows of flushing the floor directly underneath.

The platform is of steel plate, offering a smooth, easily cleaned surface. It is connected to the levers by iron rods and chains, giving a flexible suspension which protects the mechanism from impact of truck loads. Beneath the corner posts are placed iron base plates, giving strong, steady support to the frame-work. The *arrow-tip* beam is double, of brass with brass poise and set-screw, and is graduated on upper bar 100 x ½ lbs. and on lower 200 x 1 lbs. Scale furnished complete as shown.

No.	Capacity	Platform	Height Platform above floor	List Price
19630.....	4,000 x ½ lbs.	5′ 0″ x 5′ 0″	2″	$553.00

Packing House and Market Scales

BUTCHERS' MEAT BEAM

The scale shown here is adapted for use in retail butcher shop or market, for checking the weight of incoming sides of quarters of meat from the wholesale delivery.

It is made with a strong iron hanger to bolt against post or wall, suitably braced from above by a tension rod. The complete hanger with beams, hook and brace is supported in swivels, so that the entire scale be swung back against the wall when not in use.

A galvanized iron meat hook is suspended below the beams and mechanism, so that the working parts are not subjected to the effect of moisture. The construction is all metal, exceptionally strong and solid, to handle the large sides of meat safely and to weigh them accurately.

The full capacity beam is of brass, graduated on the lower bar to 100 lbs. x ½ lb., on the upper bar to the full capacity of the scale by 100 lbs. graduations.

No	Capacity	Price
451	600 x ½ lbs.	$84.00

OVERHEAD TRACK SCALES—STANDARD PATTERN

Wholesale pattern similar, but has pull up beam, with brass counterpoise weights and beam stands.

Extensively used in large cold storage and slaughter houses, markets, etc., for weighing dressed meat. A section of track is cut out and attached to the scale, and goods are weighed as they pass along the track. The weighing beam is ordinarily placed below the scale, but may be above if desired.

Regularly furnished with double beams, each bar 100 x ½ lbs., and shelf and beam stands. Prices carry extension levers not over 6 feet long; when over 6 feet but not over 10 feet, add $10; when over 10 feet, price special.

No.	Capacity	Length of Track	Distance Top of Track to Ceiling	Pattern	Price
1650	2 000x½lb.	4′	23″	Standard	$234 00

*When required a shallow pattern scale can be supplied

SAD IRONS

DOVER LAUNDRY SETS

Full nickel plated and polished, patent wedge lock.

Oval shape cast iron cores, asbestos covered stand 6x6 inches.

Set consists of one unlined hood, three cores and one stand.

Per Doz Sets

No. 60—Wt of hood and one core, 5 lbs. $51 75

One set in carton; 3 sets in wood case; wt per case 46 lbs.

SAD IRON HOODS

ASBESTOS

Nickel plated steel hood, asbestos lined, with black enameled wood handle, and patent lock.

Per Doz

No. 61—Unlined; fits No. 60 sad irons $17 25

No. 71—Asbestos lined; fits No. 70 sad irons 27 00

One in carton.

CHARCOAL SAD IRONS

SELF HEATING

Family and Laundry Sizes.

Cast iron; polished face and sides; gold bronzed top; japanned wood handle; bright tin shield.

Single flue, top opens at back to allow fuel to be put in; either charcoal or live coals from common wood may be used.

No.	4D
Wt each, lbs	6½
Size base, ins.	4¼x6¾
Per Doz	$50 25

Half doz in wood box.

GASOLINE SAD IRONS

ROYAL

Cast iron nickel plated base; nickel plated steel lid and handle frame; ebonized handle; brass burner through out with fount nickle plated. Quickly lighted; instantaneous heat regulator.

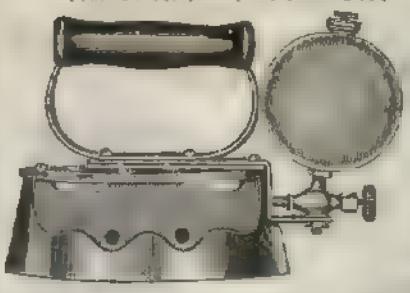
Each

No. RSHI—Size face 6⅞x3⅝ ins, wt each 6¼ lbs; capacity each 1½ pt $10 05

One in cardboard box

GASOLINE SAD IRONS

COMFORT



Cast iron nickel plated core, pointed on both ends; ebonized wood handle with heavy steel brace; protected from the heat by two asbestos pads and an air space; cast brass highly nickel plated gasoline fount.

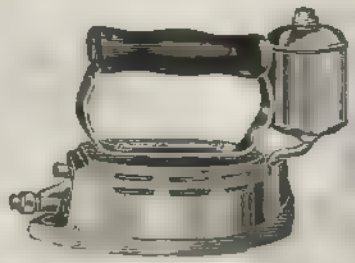
The iron is quickly lighted, and requires only ½ teaspoonful of gasoline to generate. The heat can be regulated to suit the operator. Operates 5 hours on one filling.

Each

No. CG—Size face 6⅞x3⅝ ins; wt 6½ lbs; capacity oil fount ¾ pt $11 70

One in cardboard box.

COLEMAN



Cast iron, nickel plated base, highly polished; nickel plated steel lid and handle frame; ebonized wood handle; heating element constructed of brass throughout. The lid consists of 2 parts separated by asbestos which prevents tarnishing and keeps handle cool.

Fuel for heating base flows from tank at front through one-piece feed pipe and generator to the control valve and burner. The burner extends the full length of the iron, giving the entire bottom an even heat. The gas flow is regulated by detachable key which fits on the outer end of the control valve. The ironing heat can thus be increasd or decreased as desired.

Complete with funnel, wrench and instructions. Size face 3⅝x7½ inches; weight each 7 lbs.; capacity oil fount ¾ pint.

No.	325
Less than doz lots, Each	$ 9 75
Lots of not less than 1 doz, Per Doz	108 00

One in carton

GAS SAD IRONS

FAIRY QUEEN

Steel base, highly nickel plated and polished, black enameled wood handle. Absolutely safe and odorless. Equipped with needle valve regulator and can be adjusted to gas pressure. Spreads a hot torch flame evenly over base of iron. Heats quickly and remains perfectly heated while ironing.

Furnished complete with 6 feet metal tubing and stand; size base 4x6¼ ins.

Each

No. FQN—For natural gas $9 90

One in carton, wt each 5¾ lbs.

SIRENS

FEDERAL

TYPE B—SINGLE HEAD

Desirable for small towns and villages. Also ideal for starting and quitting signal in mines, quarries, ranches, factories, etc. It can be heard approximately three-quarters of a mile on a quiet day. Of course, the wind will vary this some.

Dimensions: 22 inches long by 21 inches high by 19 inches wide. Base approximately 18 inches square. Weight boxed, 400 to 500 lbs.

F. O. B. Chicago, Ill.

	Each
Single phase, 60 cycle, 110-220 volts, 2 H. P.	$330.00
Two or three phase, 60-cycle, 110-220 volts, 1½ H. P.	300.00
Direct current, 110 volts to 600 volts, 1½ H. P.	300.00

TYPE B—DOUBLE HEAD

This type siren is designed for use as a general alarm in small towns and cities having volunteer fire departments. Has a sound penetration of about 1½ to 2 miles under ordinary weather conditions.

Has two revolving fans, or cylinders, in the sounding mechanism. Size, 38 inches long, 21 inches high, 19 inches wide. Weight, boxed, 500 to 600 pounds.

F. O. B. Chicago, Ill.

	Each
Single phase, 60-cycle, 110-220 volts, 3 H. P.	$455.00
Two or three phase, 60-cycle, 110-220 volts, 3 H. P.	400.00
Direct current, 110 volts to 600 volts, 3 H. P.	400.00

Extras

	Each
*General alarm control complete with motor and steel case	$60.00
**Remote control with two push button switches	55.00
Additional push button switches	5.00
Steel case with glass front for push buttons	10.00
***Coding motor	75.00

For sirens to operate on other than 60-cycle frequency, such as 25 to 45 cycles or 75 to 133 cycles, single phase, add $100.00 to list. For two or three phase, add $75.00. This is to cover special motor and gear connections to get required speed. Sirens so equipped are special and orders for same positively will not be cancelled after production has started.

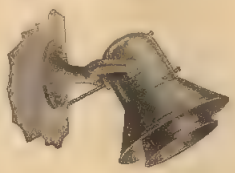
*This apparatus is used instead of the knife switch, and performs the "on and-off" operation automatically instead of manually. Invaluable for general alarm signaling. Complete with motor and weather-proof steel case for exterior mounting. 1/20 H. P. motor.

**Designed to control siren from distant points. Consists of self-contained double break magnet operated circuit breaker of standard construction and two momentary contact push button switches. If mounted outdoors, steel case is necessary.

***Coding motor is necessary where signals are given in code, such as a fire alarm signal.

TYPE A—DOUBLE HORN

This siren designed to replace bells, gongs, whistles and other vibratory type of signals. It cuts through all other noises and makes itself heard when all other devices fail. There are no vibrating parts to get out of order, no gears or diaphragms to be replaced or get out of adjustment. It may be connected to any standard time recording system.



Made for use in banks, factories, industrial plants, mines, schools, public buildings, warehouses, hotels and similar places.

Can be operated from any number of points by use of remote control switches.

Furnished with 1/10 H. P. universal motor for any standard voltage from 6 to 250 and any number of cycles up to 66 cycles.

Specify voltage.

	Each
Red painted enamel finish	$37.50
Red porcelain enamel finish	45.00
Brass or copper, polished or nickel plated	50.00

Length over all, 16½ inches; diameter of horn, 14 inches; diameter of body, 5¾ inches. Weight, 17 pounds.

TYPE A—SINGLE HORN

AUTO TYPE

For storage battery operation. Ideal for autos, motor boats, fog signals, fire apparatus, police apparatus, ambulances, grade crossings, etc.

Peculiar tone, may be heard approximately ½ mile under ordinary conditions.

Will be furnished either with a nickel plated bracket or cast iron pedestal, horn in copper, brass or nickel plated finish, and in all standard voltages from 6 to 250 volts.

Length, 14 inches; diameter of horn, 5 inches; ⅛ H. P. motor. Shipping weight, 10 pounds.

Specify kind of bracket, finish and voltage on order.

	Each
Type A, single horn	$40.00

FIRE ALARM SIGNALS

BENJAMIN

WEATHER-PROOF HOWLERS

No. 8360

Benjamin Fire Alarm Howlers are specially built for use on fire alarm systems operating under stringent regulations.

In series without condenser, eight 14-volt or fourteen 8-volt howlers may be used, but where fourteen 14-volt howlers are used, a condenser must be supplied on the panel board. The 110-volt howlers may be used for open circuit work where a time limit fuse or switch is inserted in the circuit. The use of combined 8-volt and 14-volt signals on one circuit is permitted

The sounding mechanism for Benjamin Fire Alarm Howlers is of the vibrator type

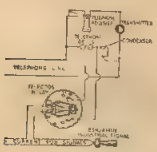
These signals have cast iron body, tapped for ½-inch pipe connection. A one-piece, drawn brass, bell type sound projector is rigidly attached to a pressed steel front cover. Signal is made weather-proof by gasket. Finish, red enamel.

No.	Voltage	Net wt. lbs	Each
8360	110 D C	5¾	$16.25
8864	8 A.C.	4¾	16.25
8865	14 A.C.	4¾	16.25
8866	110 A C.	4¾	16.25

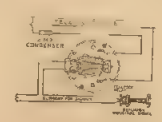
TELECODE RELAY

BENJAMIN

WIRING DIAGRAMS



The Telecode Relay is standard with open circuit contacts. To obtain the closed circuit type, it must be so specified on the order. The open circuit type has the secondary circuit open until the primary circuit is energized, while the closed circuit type has the secondary circuit closed until the primary circuit is energized



Relay is connected to telephone line at any point. When phone rings, relay closes the circuit which operates signal Common battery systems use a 2 M-F. condenser in series with relay coil. Condenser should not be used on private or magneto systems.

TELECODE RELAYS

BENJAMIN

No. 8313

Increases the efficiency of telephone signaling.

In factories, mines, quarries, foundries, machine shops, etc., where there is a great volume of noise, the ordinary telephone bell can seldom be heard. With the aid of the Telecode Relay it is possible to utilize Benjamin Industrial Howlers or any type of telephone system, telephone efficiency is not affected.

No. 8314

The Telecode Relay can be supplied for operation on telephone circuits using either A. C or D. C. as their ringing energy. For standard telephone circuits the relay is wound to the same* resistance as the bells of the circuit. In ordering, specify the resistance of the telephone bells on the same line. If used on Intercommunicating telephone systems having D. C. or A. C. for ringing energy, specify the voltage.

No. 8315

Construction—Relay mechanism is mounted on porcelain base, 4½ inches in diameter. Contact capacity is .8 ampere, 110 V., or equivalent to five Benjamin Signals. Wire terminals are binding screw type. Mounting screw spacings are 3½ inches on centers.

No. 8313, with back connections is for mounting on a panel and comes with cover as shown.

No. 8314 is mounted on a conduit fitting and has pressed steel cover, gasketed to make it weather-proof. Fitting is tapped at each end for ½-inch pipe.

No. 8315 has relay mounted in a 6x6-inch steel box with ½-inch knockouts, for use indoors.

No.	Net wt lbs. ea.	Each
8313	8	$12.00
8314	10	11.50
8315	9½	12.00

*Standard winding is 1000 ohms. A small extra charge is made for all special resistance windings, when specified on order.

THE DIVING VENUS

SPRAY

SENSATIONAL NEW OFFERING

BACK SOMERSAULT FROM THE CLOUDS

At Night the Human Meteor Thru Multi-Colored Fireworks

Additional Exhibition of Fancy Diving Assisted by the Aquatic Clown, "HITCHY"

EVERY ACT IN THIS CATALOG CONTROLLED EXCLUSIVELY BY **WORLD AMUSEMENT SERVICE ASSOCIATION, Inc.**

"SERVICE and SATISFACTION"

Thrilling Original Classy

BOYD AND WALLIN

EXTREME NOVELTY FEATURE

CLEVER COMBINATION OF SLACKWIRE WALKING
DENTAL DEXTERITY, NEW ACROBATICS
AND RISKY CONTORTION

The Latest and Greatest Reward of Infinite Patience

Pails

Heavy Stock Pails

Galvanized after making.

26 Gauge steel.

Nos.	612	614	616
Cap., Qts.	12	14	16
Size, inches	12x9	12¾x9¼	13½x9½
Wt. dozen	25 lbs.	30 lbs.	33 lbs.
Price per dozen	$8.70	$9.60	$10.50
Price each	0.87	0.96	1.05

Nos.	618	620
Capacity Qts.	18	20
Size, inches	14½x9¾	15x10½
Wt. dozen	37 lbs	40 lbs
Price per dozen	$12.20	$13.80
Price each	1.22	1.39

Tin Dairy Pails

Made of 1X tin, full weight charcoal plate. Heavy tinned wire bail with black enameled bail wood. Extra heavy wide ears. Heavy rivets. Extra deep foot with heavy bottom roll. Heavily wired top rim.

No. 2212 No. 2214 No. 2216			
Capacity, quarts	13	15	17
Size, inches	11¾x10¼	12x11	12½x11¾
Weight, dozen	22 lbs.	23 lbs.	25 lbs.
Price per dozen	$11.40	$12.60	$14.50
Price each	1.14	1.26	1.45

Common Tin Buckets or Pails

With Covers

No.	Capacity	Price Doz	Price Each
11	1 quart	$1.75	$0.18
11½	1½ quarts	2.00	.20
12	2 quarts	2.25	.25
13	3 quarts	2.75	.30
14	4 quarts	3.25	.35
18	8 quarts	3.75	.40

Fire Pails

Galvanized Fire Pails

Round Bottom

Nos.	210	212
Cap. qts.	10	12
Size, in.	9¾x10½	10½x10¾
Wt. doz.	18 lbs.	23 lbs.
Price, doz.	$7.45	$7.95
Price, ea.	.75	.80

No.	214
Cap. qts.	14
Size, in.	11x12
Wt. dozen	25 lb.
Price dozen	$8.80
Price each	.88

Conical Fire Pails

Made of Galvanized Iron.

No.	012
Trade cap., qts.	12
Inches	13¾x15
Wt. dozen	27 lbs.
Price per dozen	$9.20
Price each	.92

Fibre Fire Pails

Round Bottom

12 quart capacity, 10 inches high, 12 inches wide.

Price per dozen $18.00
Price each 1.80

Deep Fibre Fire Pails

Flat Bottom

10 quart capacity, 13 inches deep, 8 inches diameter.

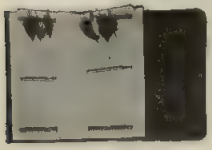
Price per dozen $22.00
Price each 2.20

Fire Pail Hooks

Made of cast iron painted black and used with our fire pails.

Price per doz. ... $5.00
Price each ..... .50

FLY BOOKS

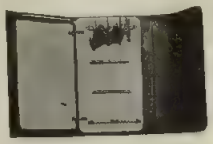


Long grain imitation leather, cloth lining with one pocket on the inside of the cover. Contains 2 parchment leaves with springs to carry flies, a drying pad for each leaf and 2 parchment pockets for leaders.

Each

No. 1525—8¼x4 in., holds 8 dozen flies. $0.85

Open Stock.



Loose leaf, with two pockets on the inside of the cover and containing 2 celluloid leaves with springs to carry flies, a drying pad for each leaf, also a transparent celluloid pocket for carrying leaders and the like.

Each

No. 1789—7x4½ in., seal grain leather, waterproof lining, holds 8 dozen flies $4 00

Open Stock.

VEST POCKET FLY BOOKS

Calf finished cowhide, leather lined, celluloid leaves.

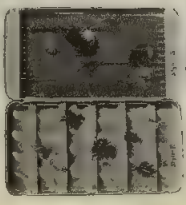
Each

No. 1741—7x2½ in., holds 4 dozen flies $1 90

Open Stock.

TACKLE CASE

STEWART'S



Made of aluminum, strong, light, handy, for spinners, snelled flies, spoons and plain hooks.

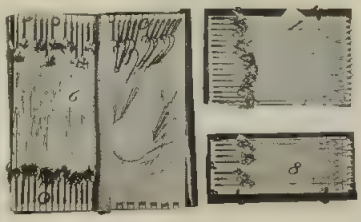
Each

No. S—Holds 48 flies or a lesser number of spoons or spinners $2 00

Open Stock.

FLY BOOKS

FIGLEY



Loose Leaf

Covered with high grade leather, hand sewed with leather thongs, which also serve to fasten the heavy polished celluloid leaves which are ⅛ in thick, strong and slotted at ends to hold small rubber bands, small celluloid strips with prongs or teeth cemented across the face, chamois pads between leaves, one pocket for leaders.

Each

No. 6 —Holds 145 flies and 15 bait hooks, 3 leaves. .. $9.00
No. 1 —Holds 90 flies, 8 leaves 5 00
No. 1BL—Holds 75 flies, 15 bait hooks, 3 leaves..... 5.50
No. 11 —Holds 36 flies, 2 leaves..... 2.75

Open Stock.

DRY FLY BOXES

FIGLEY

Leather cover, grained ivory bottom, aluminum edges, flies pulled into an ivory spring slot, flies are set staggered in the two ivory leaves so flies do not interfere.

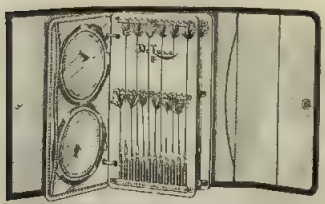
Each

No. 5—Holds over 100 dry flies in an upright position, giving absolute protection to the divided wings $10 00

Open Stock.

FLY BOOKS

DE LUXE



Loose leaf and contain 2 aluminum leaves with individual springs for every fly which keeps the flies taut, celluloid leader pocket and extra pocket on inside of cover.

	Each
No. 1871—7¾x3 in., calf finished cowhide, capacity 2 dozen flies	$4 50
No. 1875—7¾x5 in., seal grain leather, capacity 4 dozen flies	5 50

Open Stock.

COMMON SENSE

Vest Pocket

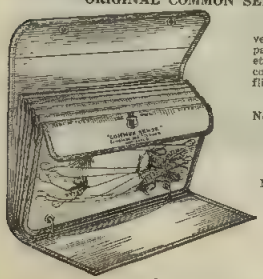
Made of heavy imitation leather, without lining and of excellent wearing qualities. They contain two transparent celluloid pockets, well bound. The book is kept closed by a snap button.

Made thin and very convenient for carrying a small supply of flies. (Without ring back.)

	Each
No. 1819—6½x3 in., with two pockets and drying pad, black or brown color	$0.75

Open Stock.

ORIGINAL COMMON SENSE



Made with six envelopes, two drying pads, and two pockets on the inside of cover, suitable for flies or leaders

	Each
No. 1820—7 x 4½x1½ in., red cowhide, water-proof lining	$4.50
No. 1827—6½ x4x1½ in., imitation walrus leather, (Without ring back)	2.25

Open Stock.

FLY BOOKS

COMMON SENSE IMPROVED

These books are made without lining, very durable, with one pocket on the inside of the cover and contains six of our Improved "Common Sense" envelopes and two drying pads. The envelopes are open down the center of the celluloid window which allows the flies to be easily removed, as shown in the illustration, also have patent rings.

	Each
No. 1846—8x3 inch, calf finished cowhide	$4 75

Open Stock.

COMBINATION FLY AND TACKLE BOOK

Made with two leaves having springs to carry 8 dozen flies, and a drying pad for each leaf, four large pockets for tackle in the back of the book.

	Each
No. 1734—6½x3½ in. brown calf finished cowhide, heavy duck pockets	$2.50

Open Stock.

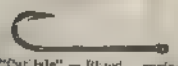
WET AND DRY FLY BOOKS

Contains aluminum box with 4 rows of cork and drying pad for dry flies, also contains 2 celluloid leaves with springs to carry 4 dozen wet flies, with a drying pad for each leaf.

	Each
No. 1836—6½x3½x1½ in., seal grain leather, waterproof lining	$3.25

Open Stock

RINGED HOOKS



"Carlisle" — Ringed spring steel. 100 in box. 1,000 in carton.

	Size	In	Per M
	No.	In	1,000
1K2022	3	1⅛	$1.25
1K2023	3	1⅛	1.25
1K2024	1	1⅛	1.25
1K2025	1-0	⅞	1.55
1K2026	2-0	2⅛	1.80

DOUBLE SNELLED HOOKS

"Carlisle" — 6 in., selected double gut, hand tied to spring steel hook. 1 doz. in envelope.

	No.	In.	Doz
1K2076	8	1½	$0.22
1K2072	6	1¾	.22
1K2074	4	1¾	.22
1K2073	2	1¾	.22
1K2077	1-0	2	.24
1K2079	3-0	2¾	.26

SINKERS

Ringed — Smooth finish, brass rings. 1 gro. in box.

1K2475—Assrd. sizes 1 to 4 Gro **85c**

Clincher — quick attaching ears fold over line, clinching securely. 1 gro. in box.

1K2481 — Assrd. sizes 1, 2 and 3 Gro **86c**

1K3482—Assrd. sizes 4, 5, 6 and 7...Gro **$1.50**

"RETAIL CABINET" RINGED HOOK ASSORTMENT

1K2030—Contains all the popular styles and sizes of ringed hooks in neatly partitioned cabinet. 2,000 ringed hooks in asst.

Kirby Style—
100 each size 1, 2, 3, 4, 6, 8, 10, 1-0 and 2-0
50 each size 4-0 and 6-0.

Limerick Style—
100 each sizes 6, 6, 4 and 2.
50 each sizes 10, 1-0, 2-0 and 3-0.

Carlisle Style—
50 each sizes 7, 3, 1, 1-0, 2-0 and 3-0.

Cincinnati Bass Style—
50 each sizes 25, 22, 20 and 18.

Assrd. 5,000 hooks in hinged cover cabinet with retail price list.
ASST (2,000 hooks) **$2.80**

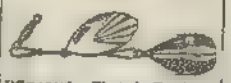
CORK FLOATS

1K2432 — "Pine Leader" A 1 solid cork. 4 styles, ball egg and barrel shapes, natural and fancy striped finishes. 1½ to 1¾, ⅞. Assrd. 2 doz. in box Doz **80c**

"HERCULES" FISH STRINGER

1K2016 — 6 ft., braided cable cord, brass needle, ring end. 1 doz. in box..... Doz **$1.88**

SPINNERS AND SPOONS



Pflueger's Fluted Trolling Spoon—For bass, pike, pickerel and muskellunge. Have fine treble hooks, bright feathering. ½ doz. in box.

1K2762—Size 4, 2½ in. spoon, 2-0 hook Doz **$2.50**

1K2763—Size 4½, 2¾ in. spoon, 3-0 hook Doz **$2.50**

1K2765—Size 7, 3½ in. spoon, 6-0 hook Doz **$4.00**

1K2783—"Hildebrandt's" fly spinner asst., assrd. sizes, shapes and finishes of spoons, assrd. size hooks, feather and bucktail flies, the 12 best selling numbers in the Hildebrandt line, each to retail at 35c. 1 doz. pcs. on easel display card, printed with tips for the fishermen, 1 card in box.
CARD (doz. pcs) **2.80**

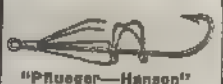
1K2347—"Pflueger's" Luminous Tandem Spinner, one of the best bass baits, spinners revolve in opposite directions, under side luminous coated, equally good for day or night use. 1 g. in. blade, size 1 treble hook, bright feathering. Each on card ½ doz. in box Doz **4.00**

1K2780—Skinner Spoon, No. 7, nickeled, a popular muskie bait, 2⅝ in. spoon, red feathering. 1 doz. in box Doz **$4.00**

1K2743—"Shannon," twin spinner, wings as and stinger lead spinners set close to fly which draws fish right to hook, red fox barred. ½ doz. in box. Doz **$6.80**

1K2333—Heddon - Stanley No. 6 fly with spinner, weedless, nickel spinner, red fly, white tail. 1 doz. in box Doz **$7.20**

FROG HARNESSES



"Pflueger—Hanson"

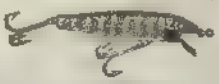
1K2730—For harnessing live frogs, allows free motion, weedless, on cards, assrd. sizes 2-0, 4-0 and 6-0. 1 doz. in box Doz **$3.20**

"Heddon—Stanley"

1K2334—"Perfection," weedless tandem frog hook, 4-0 Kendall, mucky, sweet guard, wire leader. 1 doz. in box Doz **$4.40**

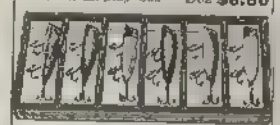
WOOD MINNOWS

Cedar bodies, waterproof porcelain enameled



"Pflueger"

1K2366—"Pflueger's" New Asst. contains the best sellers of the "Paf-O-Mine" and "O-Boy" style in the decorations the fisherman want, you can sell at a uniform price of 35c. Assrd. ½ doz. in counter display box Doz **$6.80**



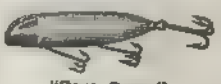
"Bass-Oreno"

1K2354—South Bend "Bass-Oreno" the 6 best selling decorations in the Bass-Oreno line each in box. Assrd. ½ doz. in display carton Doz **$6.80**

"Basser"

Heddon's "Basser"—4¼ in., for bass pickerel and muskies. 1 in box. 1 doz. in carton.

1K2444 — White body, red head
1K2445—Yellow Perch scale } Doz **$8.80**



"Bass Oreno"

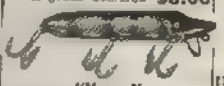
1K2716 South Bend "Bass-Oreno," white body red head the highest single selling decoration. Each in box. 1 doz. in carton. Doz **$6.80**

"Wiz-Oreno"

1K2356 — South Bend "Wiz-Oreno," white body red head the highest single selling decoration. Each in box. 1 doz. in carton. Doz **$6.80**

South Bend "Pike-Oreno"—A wonderful bait for wall eye pike, gravels deep, body 6½ in. 1 in box. 1 doz. in carton.

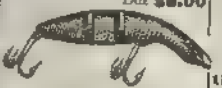
1K2420 Yellow perch, scale finish. Doz **$8.00**
1K2421—White body, red & green dec. Doz **$8.00**



"Vamp"

Heddon's "Vamp" — Pike minnow 4½ in. 1 in box. 1 doz. in carton.

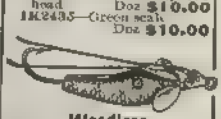
1K2439 White body, red & green spots. Doz **$8.00**
1K2440—Green scale Doz **$8.00**



"Game Fisher"

Heddon's "Game Fisher"—Good all-around bait for game fish 4¾ in. body 3 pcs. hinged. 1 in carton, 1 doz. in box.

1K2434 White body, red head Doz **$10.00**
1K2435—Green scale Doz **$10.00**

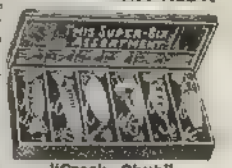


Weedless

Heddon - Stanley Weedless Pork Rind Minnow—Weedless, a deep water bait, nickeled spinner, special design hook used for pork rind. 1 in box. 1 doz. in carton.

1K2447 — White body, red top Doz **$10.00**
1K2448—Pike scale Doz **$10.00**

"SUPER-SIX" BAIT ASST.



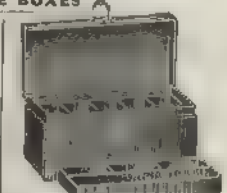
"Creek Chub"

1K2320—6 best selling fish getters in the Creek Chub line. Light weight waterproof enameled bodies, finished in natural bait effects. Assrd. 6 in partitioned display box with suggested retail prices totaling $5.50.
ASST (6 only **$3.66**

TACKLE BOXES

"Standard" basket tray, 2 enameled steel compartments. Lock with 2 keys.

1K2331—1 in box.. Each **60c**
Doz **$10.00**



Kennedy — Universal 13 in. long 6 in. wide 6 in. deep, enameled, steel welded leather covered, handle 2 trays, large bottom space for reels. Corbin lock 2 keys.

1K2324 1 in carton. Each **$2.80**

SNAP SWIVEL

1K2486—Steel wire snap, bronze barrel swivel quick and secure fastening for bait and hooks. Assrd. sizes. 2 doz. in box Doz **22c**

"PORTAGE SUPERIOR" GUT LEADS

Fine grade fresh Spanish silk worm gut, must color. 1 yard on card. 1 doz. in box Doz

1K2641 3 ft. single **80c**

ARTIFICIAL FLY ASSORTMENTS

Six most popular patterns assorted to the dozen, life-like, hand tied to best quality gut, sewed on perforated cards. 1 doz. in envelope.

1K2656—"Trout," silk body, hollow point hook. Sizes 6 and 8..... Doz **72c**

1K2655—"Bass," silk and wool bodies, fluted points, hooks. Sizes 1-0 and 2-0. Doz **80c**

"SOUTHBEND" JACK'S PORK RIND

1K2465—(Mfrs 202) 3 in. strips, thin greenstreak pork rind, 12 strips in leakproof glass jar. 1 doz. in box Doz Qt

MINNOW BUCKETS

6 Qt. Tin

1K2778 "Popular," 6 qt. 16" enameled, tin round, non-floating. 1 in pkg Each **87c**

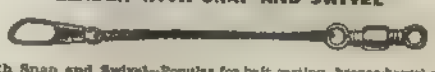
10 Qt. Steel

1K2779 Galvanized steel, round flaring. 1 in pkg Each **$1.40**

"GEE'S" IMPROVED MINNOW TRAP

1K2744—17½ in. long 9 in. diam., ¾ mesh galvanized wire forms at center, funnel shaped entrance each end. 1 in pkg Each **90c**
Doz **$10.00**

LEADER WITH SNAP AND SWIVEL



Wire Leader with Snap and Swivel—Popular for bait casting, bronze barrel swivel, steel snap. 1 doz. on card in envy

1K2493—6 in. piano wire.....Doz **65c**
1K2492—Flexible imported bronze cable wire..... **80c**

"Standard" Fishing Tackle Assortment

Hooks—Floats—Lines—Sinkers

Do you handle fishing tackle as a side line? If so, this assortment is especially suited to your needs.

1K2749—Attractive variety of ringed and snelled hooks, floats, sinkers plain and furnished lines at popular prices. Will more than double your money. Assrd. as follows:

	Suggested Retail Price	Total Value
500 Kirby fish hooks, fluted points, ringed, assrd. sizes	$0.00½	$2.50
200 Carlisle fish hooks, fluted points, ringed, assrd. sizes	.01	3.00
200 Cincinnati Bass, fluted points, ringed, assrd. sizes	.01	2.00
36 snelled hooks, assrd. sizes	.05	1 80
12 Assorted floats, assrd. sizes	10	1 20
12 Eureka Lines, 15 ft. in bank spool	.02	.24
15 Eureka lines, 15 ft. in bank spool	.06	.90
12 Green Eureka lines, 20 ft. in bank large	.10	1 20
24 Assorted sinkers, assrd. sizes	.02	48
12 Lloyd extra service lines	.08	96
18 Furnished lines	.03	54
6 " "	.10	60
6 " "	.15	.90
2 Boxes split shot sinkers	.05	.10
Total retail price		$16.12

1 assrt. in box. ASST **$6.50**

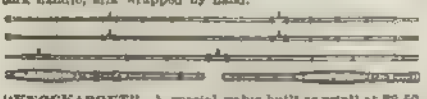
RODS

BAMBOO RODS

HEXAGON SPLIT BAMBOO RODS

Bait and Fly—With Extra Tip

3 joints, nickeled silver snake guides, brass reel seat, large cork handle, silk wrapped by hand.



"KNOCKABOUT"—A special value built to retail at $2.50, quality of workmanship and not fancy trimmings. 1 in heavy khaki bag.

BAIT—Reel seat above handle. Each

1K2199—9 ft. . . . . } Doz

"SELECT"—Selected fine grain seasoned bamboo hand wound with bright silk in 2 colors, nickeled brass ferrules, hand shellacked and polished to preserve life of the bamboo. A good rod to retail at $5.00. 1 in heavy khaki bag.

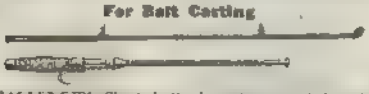
BAIT—Reel seat above handle. Each

1K2395—7 ft. . . . . } $3.10
1K2396—9 ft. . . . . }

FLY—Reel seat below handle.

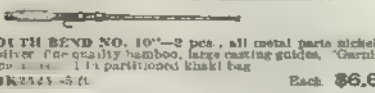
1K2397—9½ ft. Each $3.10

For Bait Casting



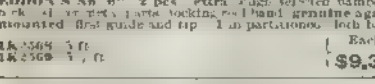
"CHALLENGE"—Short butt, long tip, pegged, springy handle, vented ferrules, nickel silver guides, agate tip, wound with silk. Wing case. 4 in heavy canvas bag.

1K2500—5 ft. . . . . Each $3.10



"SOUTH BEND NO. 10"—2 pcs., all metal parts nickeled silver. Fine quality bamboo, large casting guides, "Garnie" tip. 1 in partitioned khaki bag.

1K2545—5 ft. Each $6.65



"HEDDON 8 No. 9"—2 pcs., extra quality selected bamboo, nickel silver trimmings, locking reel band, genuine agate mounted first guide and tip. 1 in partitioned cloth bag.

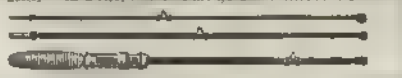
Each

1K2568—5 ft. } $9.33
1K2569—5½ ft. }

STEEL RODS

BAIT AND FLY RODS

Made of tempered flexible steel, with baked enamel finish and fitted with nickel silver snake guides, reinforced joints.



"VIM" BAIT—Baked green enamel, 3 ring tip, corrugated grip, ⅜ oz., in partitioned cloth bag.

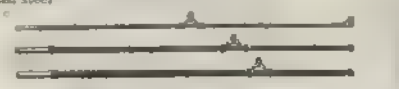
1K2530—6 ft. . . . . } $8.25
1K2531—9 ft. . . . . }

"SAMSON" BAIT—Dull black baked enamel, nickel trim, cork grip, 1 in partitioned cloth bag.

1K2536—10 ft. . . . . Each $1.40

FOR BAIT CASTING

All mounted with large casting guides and offset casting tips, finger hooks on reel bands, baked black enamel on imported steel.



"CHALLENGE"—Extra large nickel silver, 2 ring casting guides, natural cork grip, detachable finger hook. Value $3.00, you can get for $2.00. Each in cloth bag.

1K2586—5 ft. . . . . } Each $1.38
1K2587—6½ ft. . . . . }

"GEPHART'S NO. 44"—Joints lined with alloy to prevent sticking, all mounted with agatine. 1 in cloth bag.

1K2535—6 ft. . . . . } Each $2.85

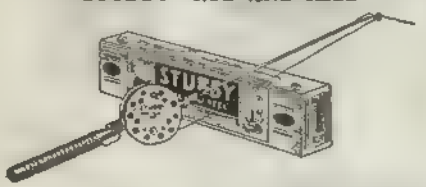
"GEPHART'S NO. 11 SPECIAL"—Silk wound entire length of rod, joints lined with alloy to prevent sticking, tip mounted with genuine agate, double grip. 1 in partitioned cloth bag.

1K2551—5 ft. . . . . } Each $6.00
1K2552—5½ ft. . . . . }

"BRISTOL NO. 27"—Made by the Horton Mfg. Co., special design, all mounted with genuine agate. 1 in partitioned cloth bag.

1K2572—5 ft. . . . . } Each $7.33
1K2573—5½ ft. . . . . }

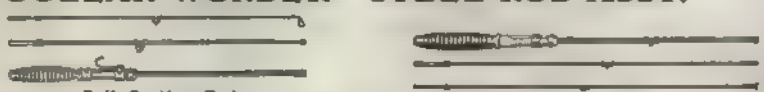
"STUBBY" ROD AND REEL



1K2577—25 in. long 12½ in. unjointed rod, corrugated wood handle, agatine mounted offset tip, black enameled, 3½ in. aluminum reel case to take up to 100 yds., ball bearing quick detachable, adjustable drag. 1 in box.

Each $2.00

"DOLLAR WONDER" STEEL ROD ASST.

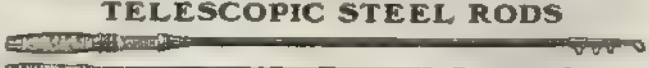


Bait Casting Rod

1K2529—Imported tempered steel, hard baked enamel, nickel silver guides, varnished handles. Assortment six 6 ft. bait casting rods, three 6 ft. bait rods and three 5 ft. bait casting rods. Each in partitioned cloth bag. Assortment 12 pieces.

Doz. $8.25

TELESCOPIC STEEL RODS



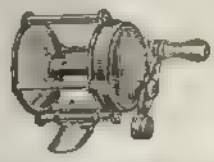
"SAMSON" Bait or Fly—reversible handle, nickel silver snake guides, offset ring tip, entire rod telescopes in 1 pc., adjustable.

1K2585—Fully extended 9½ ft. . . . . Each $1.75

REELS

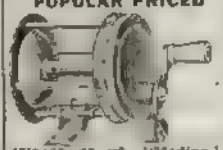
"Ajax" 40 Yd. Multiplying Reel

A wonder that you can use as a "dollar" leader

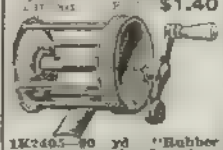


1K2400—40 yd., "Ajax" multiplying, solid brass throughout, strictly first class workmanship, 1¾ in. pillars, adjustable click balanced handle, sand finish, 2 revolutions of spool to 1 of handle. Weight 7 oz. In box. . . . Doz. $8.25

POPULAR PRICED



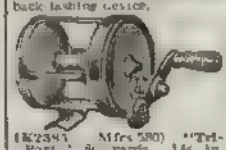
1K2405—40 yd. "Medina" multiplying, polished nickel side plates, 2¼ in. pillars, 1¾ in. adjustable click and drag, click adjustable by thumb nut. . . . $1.40



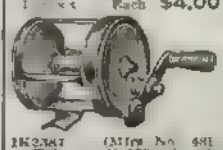
1K2405—40 yd. "Rubber City," quadruple, long spool Kentucky pattern, 1¾ in. pillars, 2 in. plates, solid brass, nickel plated and polished, click and drag, adjustable click and drag. 1 in box. Each $1.80

"MEISSELBACH"

Nickel silver side plates, brass frame and pillars, finish friction anti-back lashing device.

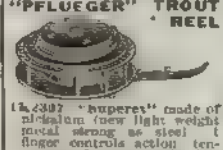


1K2341—(Mfrs 580) "Tri-Part," 80 yards, 1¼ in. spool. Each $4.00



1K2381—(Mfrs No. 481) "Takapart," 100 yd., 1¾ in. fine spool oil cup cap adjustment. 1 in box. Each $6.00

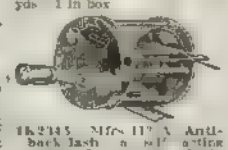
"PFLUEGER" TROUT REEL



1K2307—"Superex" made of nickalum (new light weight metal strong as steel), finger controls action tension, always on, cash free spool for working line out. 1 in box. Each Out

"SOUTH BEND"

Quadruple with 100 ft. Mills Multiplying Reel. Capacity approximately 100 yds. 1 in box.

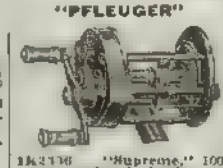


1K2345—Mfrs 1100. Anti-back lash, self acting, has that personal back lashing. Each $8.33

1K2335—Mfrs 1000. "Oreno" level wind anti back lash, self acting, anti-backlash reel. Known as South Bend's sterling anti-backlash reel. No. 1000 is Brought out to meet the demand for a moderate priced reel containing these most desired features. Capacity 80 yds. of 6 lb. test line. Each $10.00

1K2344—(Mfrs 1200) South Bend level winding, anti-back lash, self acting, has many improved appearance, also and action. Complete with screw driver, extra pawl and practice casting weight in chamois bag. Each $16.65

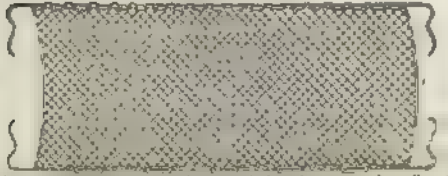
"PFLUEGER"



1K2146—"Supreme," 100 yds. made of nickalum (a light weight metal strong as steel), non-corrosive, precision made, handsome and workmanship throughout, new and has features necessary to make reel specific, to oil automatic trouble - proof level wind and anti back lash guard reel without limit. 1 in box. Each $16.65

SEINES and NETS

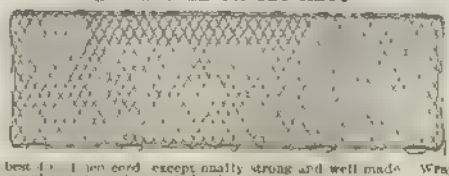
MINNOW SEINES



"COMMON SENSE"—Woven brown web, 3 ply, ¼ in. mesh. Complete with leads, floats and lines. 3 in pkg.

1K2404—Length 12 ft., depth 4 ft. . . . . Each $1.10
1K2405— " 6 " 4 " . . . . . Doz. Out
1K2881— " 6 " 4 " 2.60

LINEN GILL OR SET NETS



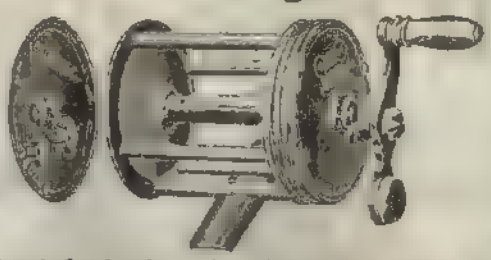
Very best linen cord except finally strong and well made. Wrapped. Complete net ready to set, in pkg.

	Length	Depth	Mesh	
1K2830—	30 ft.	6 ft.	1¼ in.	Each $2.60
1K2831—	"	5 "	1½ "	" 2.25

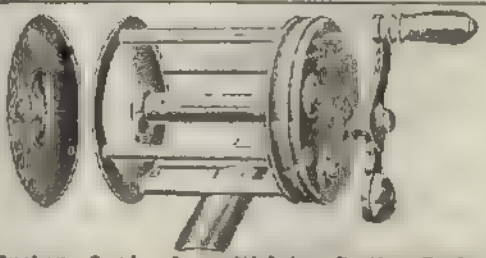
LANDING NET

1K2411—30 in. handle, 21 in. spring steel collapsible frame with brown net. Each in cloth bag. Each $1.35

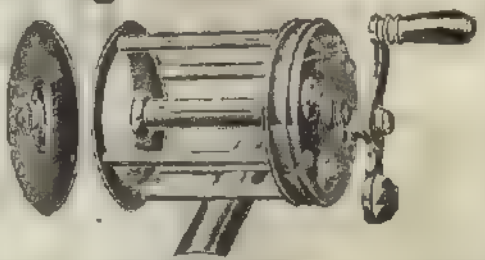
High Grade Fishing Reels



Regal Quadruple Multiplying Bait Casting Reel adjustable click and drag patented adjustable tension oil cups, pinion cover, steel pinion, steel pivots, end bearings, fancy bal ance crank, Pyralin ivory handle, satin finish. Silver plated with gilt finish. Width of spool 1⅝ inches. Each in box.
No. 16R37 Reel, with ball bearings, capacity 60 yards. Each 2.50
No. 16R11 Reel, full agate jeweled, capacity 60 yards. Each 3.10



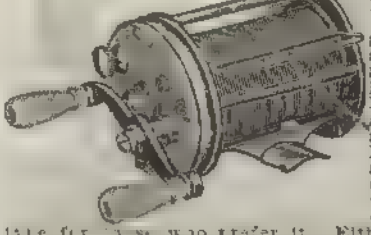
Buckeye Quadruple multiplying Casting Reel, adjustable front sliding click and drag, patented tension oil cups with agate bearings, pinion cover, steel pinion, steel pivots, end bearings, fancy balanced crank, Pyralin ivory handle, silverin finish treated to prevent tarnish. With of spool 1⅝ inches capacity, 60 yards. Each in box
No. 16R12 Reel. Each .....



Pflueger Worth Casting Reel, quadruple multiplying, adjustable front sliding click and drag patented adjustable tension oil cups with agate bearings, steel pinion steel pivots, end bearings, balanced crank, Pyralin ivory handle satin finish. Treated to prevent tarnish. With of spool 1⅝ inches, capacity 60 yards. Each in box
No. 16R38. Each 6.75

Pflueger Superex Automatic Reel, satin nickalum, gilt metal trade, ¾ inch pillar 3½ inch plate, swinging loop and guide of Tungsten steel. All gears machine cut, spool of rigid construction and closely fitting. Instructions for operating and care inclosed. Each in box
No. 16R40 Reel. Each 4.75

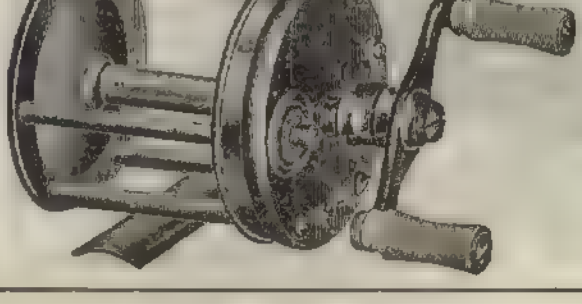
ORENO ANTI-BACK-LASH REEL



The Oreno Anti-Back-Lash Reel is of the same general design as the famous South Bend Anti-Back-Lash Reel. It is of dual use and can be operated as an Anti-Back-Lash, or by a simple adjustment it is converted into a reel of the ordinary type for those who prefer it. Either way it has a smooth, easy free-running action. Satin finish with double grip. Quadruple multiplying gear, capacity, 10 yards 16-to-20 pound test silk casting line. Spool diameter is 1⅝ inches and 1⅞ inches wide. Packed one in a box. Weight, 8 ounces.
No. 16R41. Each 4.24

SOUTH BEND ANTI-BACK-LASH CASTING REEL

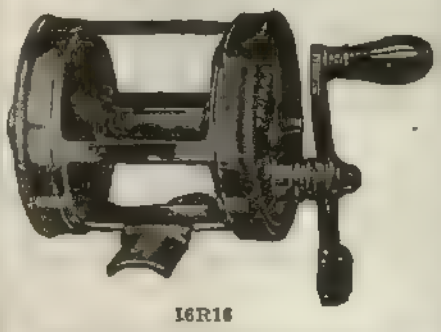
South Bend Anti-Back-Lash Casting Reel. Solid German silver, tvoroid grip, adjustable jeweled spool caps, quadruple multiplying worm side click and drag 100-yd. capacity. Absolutely guaranteed. Can be used with or without the anti back lash feature. Enables one to enjoy pleasures of night casting, which has always been so uncertain on account of inability to thumb properly in the dark. Strictly high grade and guaranteed indefinitely. Each in box, with full directions
No. 16R23. Each 6.54



HEDDON'S 3-15 CASTING REEL

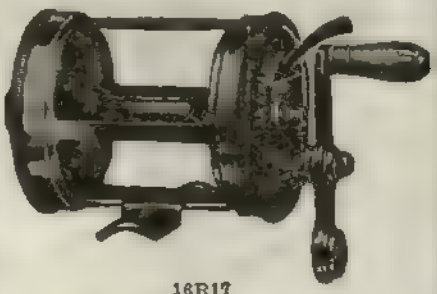
Heddon's 3-15 Casting Reel, is made of the best, tested, hard drawn, watch nickel; stud, shaft, pivots and pinion made of Stubbs drill rod, hardened, oil tempered, ground to size and highly polished. All gears made from special hard-drawn phosphor bronze. Has improved helical spiral gears, insuring strength, power and smoothness of action. Quadruple multiplier, outside diameter 2 inches, length of spool 1⅝ inches, weight 8 ounces, capacity 100 yards, 15 pound Heddon line. Equipped with Heddon design double handle with one inch radius, 2⅝ inches long, which insures better grasp in playing fish. Every part is easily oiled without taking apart. This is an individually built reel. Throughout its manufacture, the processes are in distinct contrast to the automatic production and a watch-like precision has been obtained in this hand made reel
No. 16R20. Each 13.06

MEISSELBACH FISHING REELS OF QUALITY



16R16

All Meisselbach Reels Are famous for their Patented Takapart Feature

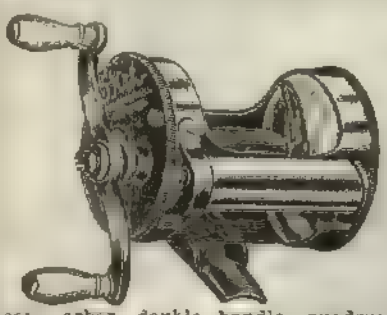


16R17

Meisselbach Takapart and Tripart Fishing Reels. The entire frame including the reel seat, is made of one piece tubing. There are no screws or rivets to work loose. Fitted with an adjusting cap on the left side with which a friction of almost imperceptible degrees of fineness can be applied to prevent backlashing in casting. All wearing parts are made of steel, can be taken apart instantly by unscrewing one of the knurled bands, very free and smooth running. Highly nickel finished with satin finished ends. Tripart Reels are 60 yards size with an 80 yard capacity. Takapart Reels are 80 yards size with 100 yard capacity. Quadruple Multiplying. Each in box.

No. 16R16.	**Tripart Reels.** Each	3.92
No. 16R21.	**Tripart Reels,** Free Spool. Each	5.22
No. 16R17.	**Takapart Reels.** Each	4.57
No. 16R22.	**Takapart Reels,** Free Spool. Each	5.83

MEISSELBACH'S LEVEL WIND REEL



A Meisselbach masterpiece to meet the demand of the expert and amateur fisherman who wants a high quality level wind reel with a loop line guide. Has cork arbor double handle, quadruple multiplying, phosphorous bronze bearings seamless brass tubing, nickel plated housing, nickeled silver spool flanges, chamois reel case. Meisselbach "Takapart" feature for cleaning and oiling. Each in box.

No. 16R33. Each 7.20

Rainbow Fly Reel

English Design of Narrow Spool, Giving Lightness, Strength and Added Capacity

Rigid frame, hardened and tempered steel click. Frame and spool of special alloy, black rubber-enamel finish, nickel Silver trimmings, Ivoroid handle. Each in box.

Has 2⅛-inch diameter and ⅝-inch width spool and will hold 35 yards D line. Weight, 3¼ oz.

No. 16R29. Each 3.26

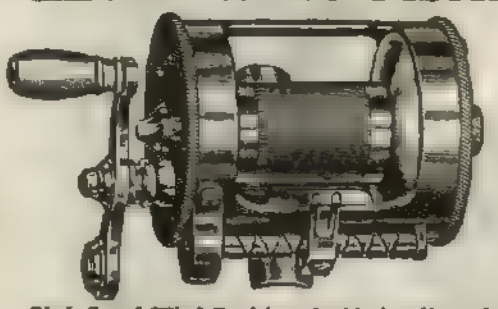
Has 3⅛-inch diameter and ¾ inch width spool and will hold 50 yards D line. Weight, 4 oz.

No. 16R30. Each 3.58

NO BETTER REEL FOR TROUT FISHING

"OKEH" LEVEL WIND FISHING REELS

The level wind mechanism only operates when winding in the line and when making a cast there is only the spool revolving. After the cast, the line guide automatically comes in position with just a slight turn of the handle, automatically catching the line and carrying it to and fro across the reel spool.



Okeh Level Wind Reel has double handle and cork arbor. Each in box.

No. 16R18. Each 7.84

Okeh Free Spool Level Wind Reel. Has single handle with cork arbor. Each in box

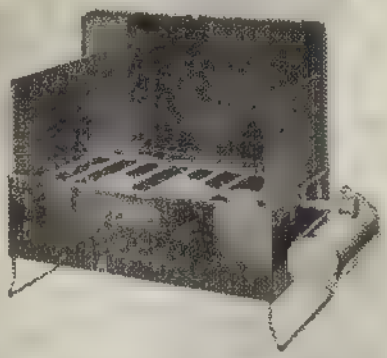
No. 16R19. Each 9.14

- Capacity—100 yards of 12 lb. test casting line
- Cork arbor
- Quadruple multiplying
- Nickeled silver spool flanges
- Seamless nickeled brass tubing housing
- Meisselbach "Takapart" feature for cleaning and oiling

KAMP KOOK KITS

Gasoline Syphon and Folding Stand

Prentiss Wabers Feature Stove No. 4

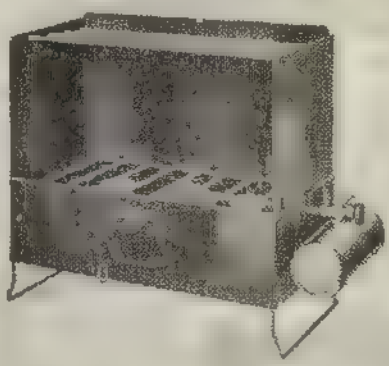


A moderateness of price distinguishes this two-burner stove as an exceptional value, for it embodies practically all the desirable features that would ordinarily be wanted in an efficient two-burner stove for camping and picnics.

It is built of 24-gauge sheet steel, with dark brown enamel baked on, has folding windshields and legs, strong hinged grate and tinplated steel tank. When not in use the tank packs inside and the legs fold over the cover, as illustrated below. Closed it measures 17x9x5 inches, and weighs approximately 12 pounds. A convenient funnel and brass pump are included in the equipment. For size, weight and all-round usefulness its value is unmatched. Each in carton

No. 23B1. Each **3.50**

Prentiss Wabers Feature Stove No. 5



This large two-burner stove of brown enameled 24-gauge sheet steel, has the unbreakable steel rod, hinged grate, and good sized tinplated steel tank, and a warming shelf attached to the cover strongly supported by the wind shields. A decided convenience to keep prepared foods warm while others are being cooked. Closes to compact size of 18½x10x5 inches, and weighs approximately 16 pounds. Priced complete with pump and funnel. Each in carton.

No. 23B2. Each..... **6.00**

Camp Stove Showing Case Closed

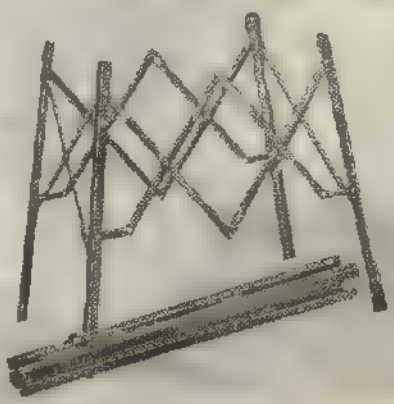
This illustration shows stoves Nos. 23R1 and 23R2 as they appear when closed

Gasoline Syphon

A most convenient adjunct to the equipment of the camper, as a slight pull on the plunger starts the gasoline flowing from your auto tank direct to the stove—simple, efficient and inexpensive.

No. 23R3. Each..... **.06**

Prentiss Wabers Folding Stand



Almost as great a convenience as the stove itself is the Folding Stand for Camp Kooking Kits. It raises the cooking surface to a height of 28½ inches, increasing the safety and comfort of camp cooking. It is strongly built and enameled to prevent rust and has riveted joints which extend to fit stoves No. 23R1 and No. 23R2 with equal satisfaction. It is exceptionally strong and rigid, and folds to the compact size of 21½x1½x1½ inches and weighs only 3½ pounds. Each in carton.

No. 23R4. Each..... **1.27**

FISHING TACKLE BOXES

Standard Tackle Box, size 11x5¼x2¼ inches, stamped from sheet steel with oval corners and edges. Easily carried in pocket of hunting coat. Box heavily galvanized and finished in hard baked, dull black enamel, thoroughly rust proof. One side fitted with 7 compartments including space for an 80 yd. reel. Centrally mounted partition prevents mixing of contents. Each in box. Two dozen in corrugated carton.

No. 19R75. Per dozen..... **10.00**
Each . . . . . **.85**

Enamel Tin Tackle Box, size 11½x8x1¼ inches. Well made with two main compartments; one large tray with six compartments, and two small trays each divided into three compartments. Inside finished in golden brown, outside in green. Wire handle with wood grip

No. 19R80.

Per dozen **16.80**
Each **1.45**

Enameled Tin Tackle Box, size 20x8x5½ inches. Divided into four compartments for reels and one long compartment extending full length of box for rod. One large tray with eight compartments for artificial baits and one small tray. Wire handle with wood grip. Inside finished in golden brown, outside in green with gold stripes.

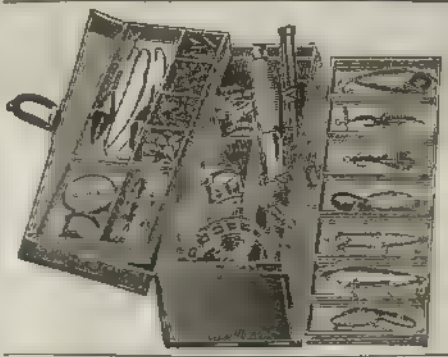
No. 19R81.
Per dozen **24.00**
Each **2.10**

(Mfg. No. 612)

Kennedy Tackle Box, size 12x6x6 inches. A strong durable water-proof box which is ideal for bait-casting equipment. Space in trays for six or more other plugs together with snelled hooks, reels, hooks, sinkers, lines, bottled bait, etc. Durable brown baked enamel finish

No. 19R71.

Each **2.45**



(Mfg. No. 616)

Kennedy Tackle Box, size 16x6x6 inches. This style is slightly larger than the style 19R71 and is designed to carry short jointed casting rods in addition to other equipment. Equipped with strong Corbin lock with catch which keeps box closed even when unlocked. Durable and water-proof.

No. 19R72. Each..... **3.11**

(Mfg. No. 614)

Kennedy Tackle Box, size 14x7x9 inches. Made in the shape of a traveling Bag. It is equipped with two trays which fit flush to the lid covering so that contents cannot spill. Partition in bottom of box large enough for quart vacuum bottle. Other partitions for reels, baits, etc. Plenty of room in top of bag for a man's size lunch. Handle is welded and fits the hand.

No. 19R73. Each..... **3.92**

(Mfg. No. 621)

Kennedy Tackle Box, size 21x6x6 inches. This style is designed to carry full casting equipment including rods. Equipped with two trays with eleven compartments for minnows in addition to snelled hooks, lures, reels, landing nets. Finished in brown baked enamel which is rust resistant. The double seamed ends make the case water-proof.

No. 19R74. Each..... **3.92**

(Mfg. No. 624)

Kennedy Tackle Box. Size 24½x6x6 inches, same as above except that it is larger. Has three compartments for reels, instead of two and eleven compartments for plugs

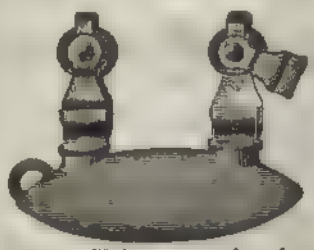
No. 19R82. Each **4.41**

Trolley Sinkers, Fish Scalers, Swivels, Etc.

Trolley Sinkers

Trolley Sinker, triangle shape, bronze shank and brass wheel and ring, 2¼x2 in. One dozen in box.
No. 19R38. Per dozen..... 1.00

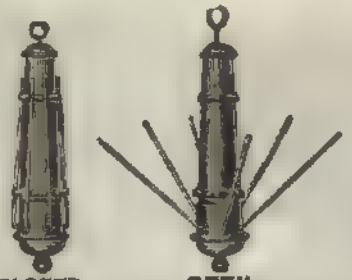
Trolley Sinker, rocker shape, 2 wheels, one at each end, bronze solid shanks, brass wheels, 2x3 in. One dozen in box.
No. 19R37. Per dozen..... 2.00



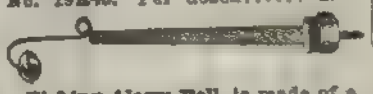
Trolley Sinker, torpedo shape, length 3 in., two brass hangers, sides open to admit line, brass wheel in each hanger. One dozen in box.
No. 19R44. Per dozen..... 2.65

Eagle Trolley Sinkers, lead base with three brass pulleys. The middle pulley catches the line below when pulling up which prevents line from being cut in corner of fork. One dozen in box
No. 19R39. Per dozen..... 3.45

Anchor

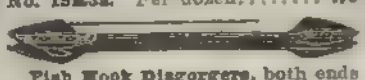


Automatic Anchor, for trolley fishing, made of cast iron, aluminum finish, with six wire prongs, length 6⅝ in., an indispensable article for trolley fishing, one dozen in box.
No. 19R40. Per dozen..... 2.65

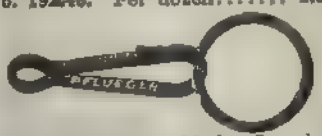


Fishing Alarm Bell, is made of a post of flat steel with chuck bottom with a screw for attaching, the top furnished with spiral spring with bell at end; slightest nibble of fish at other end sounds the signal. Two dozen in box.
No. 19R35. Gross 8.00 Dozen .70

Fish Scaler, stamped steel, does the work quickly and satisfactorily. Length 6¾ in. One dozen in box.
No. 19R32. Per dozen..... .75



Fish Hook Disgorgers, both ends shaped for disgorging of hooks, steel nickel plated. One dozen in box.
No. 19R45. Per dozen..... 1.60



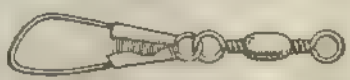
Set Line Snaps. Made of spring brass. Used for attaching hooks to trawl or set lines. One ring and one snap comprises a set. One gross in box.
No. 19R59. Per gross sets. 1.20

Utility Scale. A nickel plated, polished steel case, with black metal indicator, and white enameled graduating figures. Capacity ¼ to 15 pounds, practical for sportsmen, fishermen and others needing a small, accurate scale. Each in box. One dozen boxes in carton.
No. 19R60. Per dozen.... 4.00

Bronze Barrel Swivels

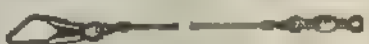
Bronze Barrel Swivels. Assorted sizes 6-1. Three dozen of one size in package.
No. 19R23.
Per gross, 1.20; per dozen, .12

Safety Snap Swivels

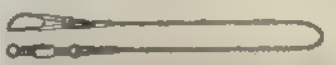


Safety Snap Swivels. Extra strong construction, easy working swivels. Will not catch weeds. Three dozen of one size in package.

No.	Size	Length	Per Gross	Per Doz.
19R56.	5	1⅝ in.	[illegible]	.25
19R57.	3	2 in.	2.50	.25
19R58.	1	2⅝ in.	2.50	.25



Phosphor Bronze Wire Leader. Length 6 inches. Safety snap at one end and bronze barrel swivel at other. Each carded, 6 cards connected
No. 19R24.
Per gross.. 6.00 | Per dozen. .55



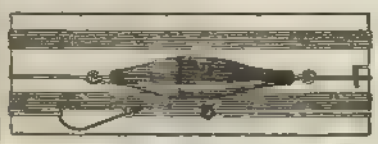
Finest Phosphor Bronze Cable Wire Leader. Kinks may be removed by pulling. No other leader will do this. Fitted with safety snap and bronze barrel swivel. Each carded, 6 cards connected. One gross in box.

No.	Length	Gross	Doz.
19R25	6 inches	9.25	[illegible]
19R61	9 inches	10.00	[illegible]

Emergency Tip. Large three-ring tip to be used in case of accident to regular tip joint. Packed two dozen in box
19R64. Per dozen..... .85

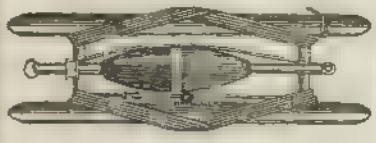
Rod Shortener. Made of brass, nickel plated. Fits into handle and receives second joint of rod, thus reducing length of rod. One dozen in box.
No. 19R65. Per dozen... 1.60

Furnished Lines and Floats



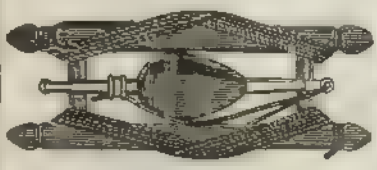
Furnished Line. Two colored 2 inch barrel shape wood float, shot sinker, white cable line, Kirby hook on flat, stained winder. Three dozen in box.

No. 19B110.
Per gross... 3.75 | Per doz.... .33



Furnished Line. 15 ft. green line, 1½ inch 3 colored egg shape wood float, split shot sinker, Kirby hook on plain winder. One dozen in box.

No. 19B112.
Per gross... 7.20 | Per doz.... .63

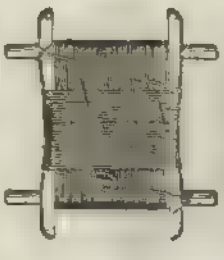


Furnished Line. 2-inch, 3 color barrel shape wood float with 15 ft. drab line and black enameled winder. One dozen in box.

No. 19B113.
Per gross... 8.00 | Per doz.... .70

Handy Furnished Line Assortment. Consists of 1 dozen furnished lines with 2 color wood floats mounted on display card.

No. 19B115. Per Assortment.. .85

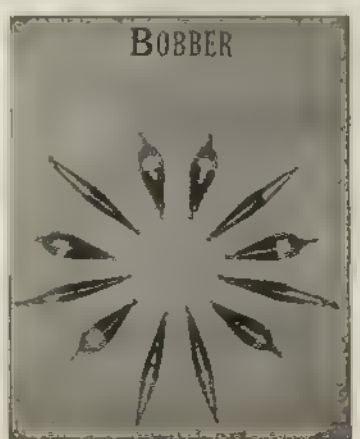


Furnished Line.
45 feet green line, 2 Kirby hooks, egg sinker, on four piece wood winder 1 dozen in box.

No. 19B114.
Gross, 10.00
Dozen, .85

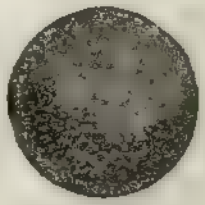
Idisco Furnished Line Assortment. 1 dozen assorted furnished lines with egg and barrel cork floats mounted on display card.

No. 19B116. Per assortment. 1.35



Bobber Assortment. Consists of 1 dozen assorted 2-color wood floats mounted n display card.

No. 19B106. Per assortment.. .40



Cork Balls. Natural color plain cork balls. Hole in center of ball for line. 1 doz. in box.

No.	Size	Dozen
19B107.	1¼ inch.....	.33
19B108.	1½ inch..	.45

Ideal Cork Egg Shape Floats. Are very popular. These are made of select grade cork in egg shape, nicely finished, two colors. One dozen in box.

No. 19B100.	1¼	in.....	.55
No. 19B101.	1½	in...	.68
No. 19B102.	2	in.....	1.00

Ideal Cork Barrel Shape Floats. Made of select grade cork in barrel shape. Finished in two colors. One dozen in box.

No.	Size	Dozen
19B103.	2½ in.....	.85
19B104.	3 in..	1.20

Floater Assortment. 1 dozen assorted egg and barrel shaped cork floats. Put up 12 on display card.

No. 19B105.
Per assortment..... .80

This Tire Dealer Has Proved That *It Pays to Concentrate on Fisk Tires*

The photo above shows the store of a tire dealer in Indiana who began in a small vulcanizing shop with about $75 capital. He decided to take on a line of tires and signed up as an ***exclusive*** Fisk Franchise account.

In 1925 he has a thriving business in the best vulcanizing and tire shop in the community, doing approximately $35,000 worth of business per year.

This dealer writes: "We believe that Fisk quality merchandise together with their methods of doing business is really what put our little vulcanizing shop where it is today."

Reference number 16, Indiana, original letter on file at
The Fisk Tire Company, Inc.
Chicopee Falls, Mass.

Fleming Electric Drill Tools now sold through BLACK & DECKER

The Fleming Electric Drill Tools have all been designed especially for operation with Black & Decker Portable Electric Drills

The Fleming Electric Drill Tools in the past have been sold only through jobbers who handle the Black & Decker line.

Because of the close association of the products, each supplementing the other, and because the channels of distribution coincide, arrangements have been made for consolidating the sale of Fleming Electric Drill Tools with the Black & Decker line.

Every Automotive Repair Shop should have at least one of these small drills for driving the Fleming Time Savers.

The following are just a few of the operations which can be performed with a Black & Decker Quarter-Inch Electric Drill in connection with the special Fleming Electric Drill Attachments.

Grinding valve seats.
Cleaning carbon from cylinders.
Cleaning valve stem guides.
Cleaning carbon from valves and valve stems.
Buffing tires and tubes
Cleaning cylinder head bolt holes and bushings.
Removing carbon from valve ports and tops of pistons.
Cleaning storage battery parts.
Cleaning welds.
Removing scale from forged and hardened parts.
Cleaning brass and copper before brazing and polishing.
Removing rust and paint from automobile bodies.
Cleaning rust and dirt from brake bands and other parts.
Removing file marks from aluminum bodies
Removing rust and dirt from tire rims, spring leaves, etc.
Roughing tires for vulcanizing (inside or out).
Drilling out storage battery connectors.
Sharpening drill bits and other tools.
Saw slotting storage battery plates.
Cleaning storage battery jar and cover for resealing.
Cleaning storage battery plate lugs, plate straps, plug terminals and cell connectors for lead burning.

Your Jobber can supply you

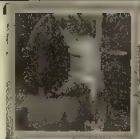
A new Catalog of Fleming Electric Drill Tools and many other useful accessories for Portable Electric Drills is now available.

Write to

The BLACK & DECKER MFG. CO.
Towson, Maryland, U. S. A. Toronto, Ont.

or to any of the Black & Decker Branch Offices listed below

BOSTON ST. LOUIS CHICAGO ATLANTA
NEW YORK BUFFALO MINNEAPOLIS DETROIT
PHILADELPHIA CLEVELAND KANSAS CITY DALLAS
SAN FRANCISCO



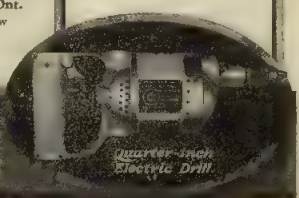
Grinding Valve Seats with Fleming Valve Seat Grinder.

Cleaning carbon from cylinder head with Fleming Carbon Removing Brush.

Cleaning valve stem guides with Fleming Valve Guide Cleaner

Buffing inner tube for patching with Fleming Wire Wheel Brush.

Cleaning carbon from valves and valve stems with Fleming Wire Wheel Brush



Quarter-inch Electric Drill.

BLACK & DECKER
"With the Pistol Grip and Trigger Switch"

DOLL CARTS

Semi-Collapsible.

Gears and frame are made from flat steel; baked black enameled finish; height of handle 22½ inches; frame 15 inches long, 8 inches wide; 6 inch wheel, double spokes and heavy rubber tires; three bow, leatherette hood and sides. Each

No. 329—Wt per carton 1[illegible] lbs .. $4 50

Four in carton.

Collapsible.

Gears and frame are made from flat steel; baked black enameled finish; height of handle 22½ inches, frame 15 inches long, 8 inches wide; 6 in. wheels, double spokes, rubber tires; leatherette covered top, size 7x7½ ins.

Per Doz

No. 325—Wt per carton 14 lbs $36 00

One-third doz in carton.

Collapsible.

Gears and frames are made from flat steel; baked black enamel finish; height of handle 21 inches; frame 12¼ inches long, 6⅜ inches wide; 5 inch all steel wheels, single spokes; leatherette covered auto top, size 7x7½ ins.

Per Doz

No. 202—Wt per carton 15 lbs $19 50

Half doz in carton.

Collapsible.

Gears and frame are made from flat steel; baked black enamel finish; height of handles 20 inches; frame, 11 inches long, 6 inches wide; 5 inch wheels, single spokes, leatherette covered frame.

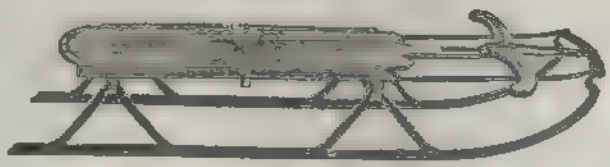
Per Doz

No. 190—Wt per carton 10 lbs $15 75

Half doz in carton.

STEERING SLEDS

FLEXIBLE FLYER



Top made of selected second growth straight grained ash; decorated and finished with three coats of varnish.

The improved all steel front construction and the high grade steel grooved runners with pressed steel japanned uprights, makes steering easier and more effective, greatly strengthening the sled and adding to its service and durability.

Nos.	1	2	3	4	5
Length, ins	38	42	47	52	63
Height, ins	6	6	7⅛	7⅛	8
Width, ins	12	13	14	14	16
Wt per doz, lbs	114	126	192	198	282
Per Doz	105 00	132 00	165 00	186 00	240 00
	$48 00	*60 00*	*75 00*	*84 00*	*111 00*

One-sixth doz in bdle.

RACER TYPE FLEXIBLE FLYER

Top made of second growth straight grained ash; decorated and finished with three coats of varnish. The improved all steel front construction and high grade steel grooved runners with pressed steel japanned uprights, makes steering easier and more effective, greatly strengthening the sled and adding to its service and durability.

Nos.	6	7
Length, ins	49	57
Height, rear, ins	5¼	5½
Height, front, ins	6½	7½
Width, ins	12	13
Wt per doz, lbs	126	186
Per Doz	143 50	180 00
	$66 00	*81 00*

One-sixth doz in bdle.

Runners are made of rolled T shaped steel of high carbon and the knees are pressed from sheet steel in a single piece. Steel parts are painted red, and the seat board is made of three pieces of selected ash, finished in natural wood finely scrolled and striped.

Per Doz

No. 120—Length 30 ins; width 10 ins; height 6 ins ... $36 00

One-sixth doz in bdle; wt per doz 72 lbs.

FLEETFOOT ROLLER BEARING COASTER

We will match "Fleetfoot" point for point and price for price with any coaster wagons made. Note the extra wide double disc wheels with self contained roller bearings.

Quantity prices apply on lots of 24 wagons, straight or assid. sizes

Distributed Exclusively by Butler Brothers

IMPORTANT FEATURES

1. Selected clear white ash throughout, natural varnished bodies, red trimmings.
2. Extra wide red enameled double disc steel wheels, nickel plated hub caps.
3. Improved roller brake.
4. All steel bolster construction.
5. One piece 5th wheel construction.
6. 15/16 in. corrugated balloon type rubber tires (commonly known in the trade as "1 in.").

1F119—Body 32x14 in., 10 in. double disc wheels with 15/16 in. rubber tires, self retained roller bearings, nickel plated hub caps, black enameled steel gear construction. 1 in dustproof carton, 35 lbs. Each **$5.25** Lots of 24, Each **$5.00**

1F121—Body 36x16 in., 10 in. double disc wheels with 15/16 in. rubber tires, self-retained roller bearings, nickel plated hub caps, black enameled steel gear construction. 1 in dustproof carton, 38 lbs. Each **$5.50** Lots of 24, Each **$5.25**

OLYMPIC ROLLER BEARING RACER

With Balloon Type Tires

In the Olympic Racer we offer a popular wagon with wonderful features of construction, and we call particular attention to the large "balloon type" rubber tires. This number is a leader not only in the construction features which give you talking points for selling, but it is PRICED TO BEAT COMPETITION.

SPECIFICATIONS

Body: Made of selected, well seasoned white ash with hickwyo sides, 4 heavy bottom cleats, varnished natural finish, red painted top rail, varnished wood handle and steel "D" grip.
Construction: All steel gear throughout, strongly braced, black enameled finish.
Wheels: Red enamel double disc wheels, self retained roller bearings, nickel plated hub caps.
Tires: Corrugated balloon type tires.
Brake: Improved roller type.
Finish: Black printed "Olympic Roller Bearing Racer"
Packing Each in dustproof carton.

1F81—32x14 in. body, 8 in. wheels, 1¾ in. rubber tires. Each in dustproof carton, 35 lbs.

Singly Each	Lots of 12 Each	Lots of 24 Each
$4.25	$4.10	$4.00

1F83—36x16 in. body, 9¾ in. wheels, 2½ in. rubber tires. Each in dustproof carton, 38 lbs.

Singly Each	Lots of 12 Each	Lots of 24 Each
$4.50	$4.35	$4.25

CYCLONE ALL STEEL FLYER

Our Cyclone all steel flyer is practically indestructible—yet it is the best looking coaster on the market. Note these features:

Tubular steel handle, curved to the most convenient position.

Body with hump roll on top and bottom, further reinforced with two beads on sides.
Body easily detached from 1 pc. steel platform.
Strong riveted construction all rattle eliminated.
Heavy duty double disc wheels—roller bearings.
Balloon type 1 in. corrugated cushion rubber tires.
Red gear gould baked enamel finish.

Singly Each **$6.00**

Lots of 6 Each **$5.80**

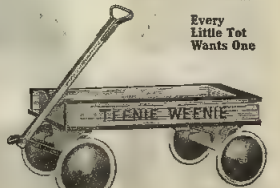
Lots of 12 Each **$5.75**

1F118—33½x14½ in. extra deep body. Indian red enameled. One piece steel platform, black enameled. Fifth wheel gear riveted to platform and black enameled. Steam steel braces with riveted non-rattling construction throughout. Heavy duty double disc steel wheels 9¾ in. diameter with self-retained roller bearings and each with hole for oiling. Balloon type 1 in. rubber tires. Curved handle. Each in extra heavy carton, L. d., 40 lbs.

"TEENIE WEENIE" COASTER WAGONS

There are large sales to be had on these sturdy little wagons. Well selected clean lumber, varnished and nicely finished throughout, double disc steel wheels with rubber tires.

Every Little Tot Wants One



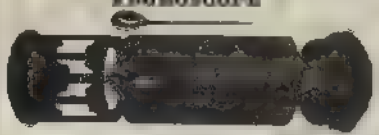
Well selected varnished hardwood bodies, red trim top and side rails and base boards, ¾ in hard maple bolsters, wood handle with "D" grip and heavy iron fenders. 5 in red enamel double disc wheels, ⅝ in rubber tires, ball bearings.

1F85—16½x30 in. wheels attached to bolsters with screws. 2 in carton, 14 lbs. Each **$1.90**

1F86—16½x36 in., ⅝ in iron axles, wheels attached with cotter pins. 2 in carton, 19 lbs. Each **2.50**

OPERA AND FIELD GLASSES

FLORASCOPE



No. 200J12. Genuine Brass Floroscope. This instrument possesses high magnifying power, the tube made of solid brass highly polished. Each floroscope is furnished with a steel pick for the handling of small insects, bugs, etc.

Per gross. 28.80 | Per dozen. 2.50

No. 200J38. Black leatherette, japanned barrels and eyepieces, fitted with 12 ligne, non-achromatic lenses, in a sliding black paper box

Per dozen. 2.00 | Per gross. 22.50

No. 200J16. Japanned steel bodies, pressed so as to closely resemble morocco leather, japanned mountings. Each in an imitation leather case with a snap button and handle

Per dozen. 3.45 | Per gross. 29.00

No. 200J1. 12 Ligne Opera Glass, black skiver leather body, with fine nickel trimmings, fitted with clear ground lenses. Furnished in plush bags. Each. 1.25

No. 200J2. Same as above; 14 Ligne lenses. Each 1.30

No. 200J27. 15 Ligne Colmont Opera Glass. Highest quality achromatic lenses. Black morosso leather covered body; japanned tubes, cross-bars and mounting Furnished in leather case.

Each 4.80

SPORT OPERA GLASS

"Sport" Opera Glasses. White metal body, oxidized silver finish, embossed in high-relief style with various pictures of flowers and birds. Black eye-cups, highly polished gold plated post and frame, 15 ligne. Each in drawstring fancy bag.

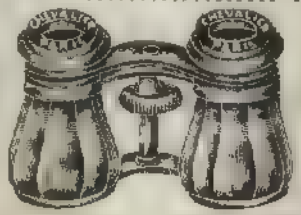
No. 200J40.
Size 15 ligne. Each..... 1.45

No. 200J41
Size 12 ligne. Each..... 1.25

PEARL OPERA GLASSES

No. 200J4. 12 Ligne Opera Glass. White or Oriental Pearl body Best quality gold plated trimmings. Furnished in a leather case. An excellent seller.

Each 7.00



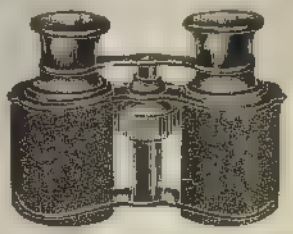
No. 200J5. 12 Ligne Opera Glass. Highest grade pearl, White or Oriental Best quality gold plated trimmings, fitted with a good quality, powerful lens. Furnished in a leather case. Each 7.50

No. 200J6. Same as above. 14 Ligne lenses. Each..... 8.00

No. 200J7. 19 Ligne Field Glass, with extra quality nickel plated trimmings, and cup shade eye pieces. Furnished in a stiff leather case with shoulder strap. A wonderful seller. Each... 2.50

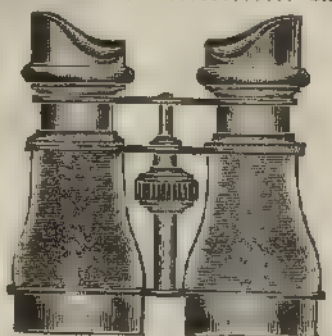
JOCKEY CLUB FIELD GLASS

No. 200J8. 19 Ligne Field Glass, marked "Jockey Club," covered with morocco leather. Furnished in stiff case with shoulder strap. Each 2.35



No. 200J10. 14 Ligne "Prisma" Binocular Field Glasses, high power extra strong first quality lenses, black leather covered. Furnished in leather case with shoulder strap. Each..... 2.50

No. 200J28. Prisma Binocular, non-achromatic, clear white crystal lenses, covered with black morocco leather; japanned and oxidized mountings. Cord for slinging glass over shoulder when out of case. Height 3¼ inches. Each 3.00



No. 200J9. 19 Ligne Field Glass, skiver leather body with extension base and cup shape eye pieces. Furnished in leather case with shoulder strap. Each.. 2.75

Eastman Box and Folding Cameras

Eastman Box Film Cameras

These Cameras are Exceptionally Low in Price

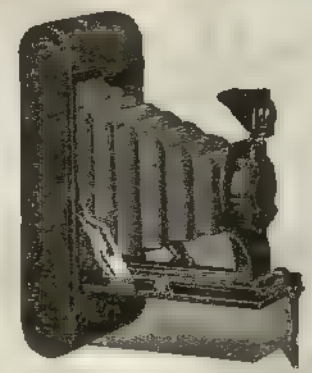
No. 2 Cartridge Hawk-Eye Model C. This Camera embodies the scientific principles that have made the Kodak products famous. It is compactly and durably constructed, is finished in seal-grain imitation leather and has neat fittings. It is equipped with view finder and automatic shutter, and makes the popular 2¼x3¼ in. picture. The loading is easily done in daylight with regular Eastman roll films that can be purchased anywhere in the world.
No. 99J38. Each.....$6.8[illegible]

No. 2 Hawk-Eye Cartridge Camera. Made of Imitation Leather. Size of pictures 2¼ x 3¼ in., 6 exposures. This camera is sturdily built and attractive in appearance. Equipment includes an automatic shutter, two finders, one for vertical and the other for horizontal views. Lenses are carefully tested before they leave the factory.
No. 99J40. Each 1.35

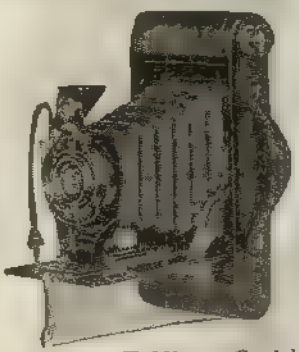
No. 2A Hawk-Eye Cartridge Camera. Made of imitation leather Size of picture, 2½x4¼ in., 12 exposures. This camera is sturdily built, and attractive in appearance. Equipment includes an automatic shutter, and two finders. Lenses are carefully tested before they leave the factory.
No. 99J41. Each . .. 1.85

Eastman Folding Cartridge Premo Cameras

No. 99J43.
Size of Picture,
2¼x3¼ in.
Six Exposures.



No. 99J44.
Size of Picture,
2½x4¼ in.
Twelve
Exposures.



Folding Cartridge Premo Camera No. 2. The body is made of steel covered with fine imitation leather Size of pictures, 2¼ x 3¼ in., 6 exposures. The focus is adjustable with a handy automatic focusing lock. Carefully tested lens and accurate Kodex Shutter assure good pictures. The finder is reversible, and two tripod sockets allow use of a tripod in either position.
No. 99J43. Each.....$4.80 4.50

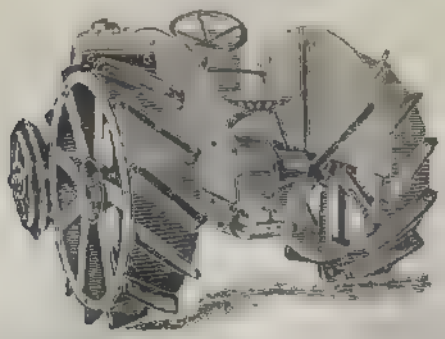
Folding Cartridge Premo Camera No. 2A. Takes pictures size 2½x4¼ in., 12 exposures. This camera has an adjustable focus with a handy automatic focusing lock and a reversible finder for horizontal and vertical views and two tripod sockets allow use of a tripod in either position The body is of steel covered with fine imitation leather. Carefully tested lens and accurate Kodex Shutter assure good pictures
No. 99J44. Each.....5.40 5.10

Eastman Folding Cartridge Premo Camera No. 3A. The body is of steel covered with fine imitation leather. Size of pictures 3¼x5½. The lens are carefully tested, and the accurate Kodex Shutter assures good pictures. The focus is adjustable with a handy automatic focusing lock The finder is reversible for horizontal or vertical views, and two tripod sockets allow use of a tripod in either position
No. 99J42. Each..... 7.80

TRACTOR EQUIPMENT

MOTOLINE JUNIOR FENDERS

For Fordson Tractor.



Made of heavy gauge sheet steel, edges rolled over heavy wire; rigidly trussed and braced. Covers the entire upper half of the drive wheel on the inside next to driver, protecting the driver against injury due to hasty careless move. Throws off dirt clots, dust, etc.

Sold Only In Full Crate Lots of Six Sets.

	Per Set
No. A-81MJF—Painted gray	✚23 25
Six sets in crate; wt per crate 350 lbs.	*$10 00*

MOTOLINE EXTENSION CLEATS

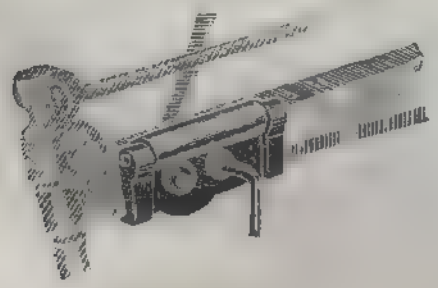
For Fordson Tractor.

They prevent drive wheels from digging in, thereby saving time, fuel, etc. Can not clog up as do drive wheel lugs and other non-slippage appliances, therefore traction always remains the same. They are particularly essential when listing as the cultipacker should be drawn immediately behind the disc harrow in order to entirely fit the soil, leaving the original moisture in it. Extension cleats are necessary when drawing these two implements at one time.

	Per Set
No. A-85MEC Set consists of 14 cleats with bolts nuts, etc.	✚60 00
	$25 00

Packed loose, wt per set 180 lbs.

MOTOLINE BELT ROLLERS



Prevents belt from scraping and wearing on the front axle. Specially treated and processed at the factory so that the roller needs no lubricating at all when in operation.

	Each
No. A-87MBR—Malleable iron frame; one solid piece hardwood roller, smooth finish; bearings run complete length of roller	✚7 95
	$3 50

One in carton; twenty-five in case; wt each 6 lbs.

✚F. O. B. New York Factory Only.

TRACTOR EQUIPMENT

MOTOLINE CLUTCH HOOKS

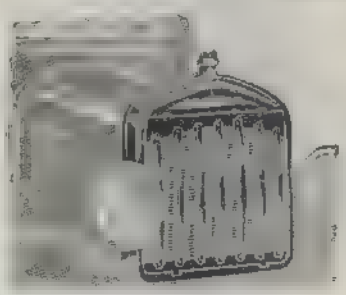
Used with or without pulley attachment. Operated entirely by foot, and acts as foot rest. Eases cranking as it holds the pulley disengaged. Acts as a brake on hill, in that the operator can leave tractor in gear without remaining in his seat. Holds clutch disengaged when hitching plow or other implements to tractor, eliminating the necessity of shifting gears to neutral, which always causes the tractor to lurch enough to throw the holes for the engaging pin out of line.

	Each
No. A-89MCH—Wt each 1¼ lbs.	✚5 70 *$2 75*

Packed loose

RADIATOR SHELL AND GUARDS

SPRAKER



For Ford Cars.

Made of steel, rust proof; udylite finish, highly polished. Guard is slightly bowed outward to protect the most sensitive and exposed parts of the car.

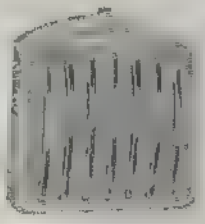
Extremely neat in appearance and adds much to the smartness and dressed up effect of the car.

	Each
No. A-123—For 1923 models	18 75 *$8 95*
No. A-124—For 1924 models	18 75 *8 95*

One in carton; wt each 15 lbs.

RADIATOR GUARDS

SPRAKER



Without Apron.

Steel, rust-proof udylite finish, highly polished. Guard slightly bowed outward to protect radiator. Neat in appearance and adds much to the dressed up effects of car.

For 1923 Ford Cars.

No.	**A-23G**
1 to 11, Each	7 95
12 or more, Each	7 50
List, Each	*$3 95*

For 1924 Ford Cars and 1923 and 1924 Superior Model Chevrolets.

No.	**A-24G**
1 to 11, Each	7 95
12 or more, Each	7 50
List, Each	*$3 95*

One in carton; wt each 4½ lbs.

✚F. O. B. New York Factory Only.

RADIATORS

PEERLESS, For 1909 to 1916 Ford Cars.

This is the same style radiator used on Ford cars for years, and will fit all models up to 1917.

The core is practically indestructible, as well as efficient. Has a large water capacity, and cooling surface is 33⅓% more than any ordinary type of core.

Has the same efficiency and capacity as No. A-11, which makes it of exceptional value on converted Ford truck units or tractors.

Capacity 11 pints; filler neck 2 inches in diameter.

Black enamel finish; honeycomb brass core, gray finish; heavily tinned malleable iron water connection; heavy wrought steel side brackets; parts coming into contact with water are brass.

Brass nickel plated radiator cap.

	Each
No. A-10-1—One in a crate	$31 05
No. A-10-3—Three in a crate	30 60
No. A-10-6—Six in a crate	30 30

Wt each 40 lbs.

PEERLESS, For Ford Cars.

On 1917 to 1924 Fords, this radiator will fit the hood that is furnished by the Ford Motor Co.

The core is practically indestructible, as well as efficient. Has a large water capacity, and cooling surface is 33⅓% more than any ordinary type of core.

It is also particularly efficient on converted truck units or tractors, which require an exceptional radiator to properly cool the engine under heavy load.

Capacity 11 pints; filler neck 2 inches in diameter.

Honeycomb brass core, gray finish; heavily tinned malleable iron water connection; heavy wrought steel side brackets; parts coming into contact with water are brass.

For 1917 to 1923 Models Inclusive.

Black enameled shell; complete with large nickel plated brass radiator cap.

	Each
No. A-11-1—One in a crate	$31 05
No. A-11-3—Three in a crate	30 60
No. A-11-6—Six in a crate	30 30
No. A-11NP—Nickel plated shell; complete with large nickel plated radiator cap	+39 00

For 1924 Models.

Black enameled shell; complete with large nickel plated, brass radiator cap.

	Each
No. A-24-1—One in a crate	$34 95
No. A-24-3—Three in a crate	34 50
No. A-24-6—Six in a crate	33 75

Wt each 50 lbs.

RADIATORS

PEERLESS

For 1918, 1919 and 1921 No. 490 Chevrolet Cars.

Shell is of heavy gauge cold rolled steel, finished in black enamel. All parts that come in contact with water are of brass. Top and bottom tanks are of one piece, eliminating soldered seams. The honeycomb brass core is practically indestructible. Has a large water capacity and cooling surface, is 33⅓% more than any ordinary type of core. Will keep the engine cool under the most severe conditions.

	Each
No. A-14—Capacity 11 pts; filler neck 2 ins in diam	+$47 40

+F. O. B. Ohio Factory Only.

RADIATORS

McCORD, For Ford Cars.

Tubular brass core, gray finish; malleable iron connection.

Wrought steel brackets; all parts coming in contact with water are brass. Large water capacity and cooling surface particularly efficient on converted truck or tractor units to cool engine under heavy loads.

Capacity 11 pints; 2 inch filler neck.

Models 1917 to 1923 Inclusive.

	Each
No. A-R117—Black enameled shell. Complete with shell and nickel plated brass radiator cap	$37 50
No. A-R118—(Old No. A-116) without shell	33 75

Model 1924.

No. A-R119—Without shell	40 50

One in wood box; wt each about 50 lbs.

SPIREX

For Ford Trucks.

Heavy cast iron top tank, with vertical ribs and an excess water capacity supported by heavy gauge, pressed steel side columns, finished in black enamel baked on at such high temperature that it unites with the metal.

Removable core which is an independent unit, secured to the head by two vertical bolts.

No.	**A-3STR**
1 to 5, Each	+$90 00
5 to 12, Each	+ 84 00
12 or more, Each	+ 80 01

One in wood box; wt each 60 lbs.

RADIATOR NECK WASHERS

For Ford Cars.

Red fibre.

No. A-1020—Diam 1⅛ ins	Per 100 $5 25	Per 1000 45 00

Packed loose, wt per hundred 2 lbs.

RADIATOR HOODS

For Ford Cars.

Sheet steel, black enamel finish; concealed hinges, waterproof.

Will fit all model cars from 1917 to 1920; will also fit the 1921 or 1916 model car when used with No. A-12 combination.

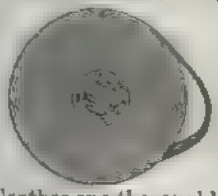
No.	**A-20PH**
Less than 5, Each	$11 25
Crates of 5, Each	10 50

Five in crate; wt each 27 lbs.

HOOD LACING

UNIFORM

Fender Strips, Body Cushion and Anti-Squeak Material.



Uniform hood lacing is a textile product of exceptional tensile strength and toughness. The exterior is treated with a special preparation, and is fireproof. The interior of the webbing forms an elastic, springy, anti-rattle material. Being so treated, it does not dry out quickly or pack down hard and develop a rattle like leather or a thoroughly permeated product. This lacing may be used wherever an anti-squeak or anti-rattle material is required.

Put up 100 feet in a roll.

Nos.	A-HL-¼	A-HL-⅜	A-HL-½	A-HL-⅝	A-HL-¾	A-HL-1
Width, ins.	¼	⅜	½	⅝	¾	1
Thickness, approx.	⅛	⅛	⅛	⅛	⅛	⅛
Wt per roll, lbs	½	¾	1	1¼	1½	2¼
Per Roll	6 75	8 25	9 00	11 25	13 50	15 75
	$4 00	*4 85*	*5 40*	*6 75*	*8 10*	*9 45*

(Sold in Full Rolls Only.)

Packed loose.

+F. O. B. Wisconsin Factory Only.

FORD ANTI-CARBON AUTO OIL

5 Gallon Can

Ford Anti-Carbon Auto Oil is refined from pure paraffine base petroleum. It is filtered extra light in color and contains practically no free carbon, and on account of its extra high fire test, combined with its highest gravity, it is specially adapted for use in Ford motor, which is of high speed and has close-fitting parts; as one oil lubricates the motor and transmission of Ford motors, a light, free-flowing oil is required which will splash and reach all moving parts. This oil will keep a lubricating film between all moving parts at all times, and on account of its high viscosity or body under heat, the motor will not lose compression, which will result in greater mileage per gallon of gasoline and smaller consumption of oil.

One trial of Ford Anti-Carbon Auto Oil will show you the difference between it and the cheaper oils refined from asphalt base crude. Economy in motor oils is not dependent on price difference. Cheap oils are far more expensive than good oils on account of the larger upkeep bills for repairs.

Drum

FORD ANTI-CARBON AUTO OIL
LIGHT WINTER BODY

In Cans

Size of can	½ Gal.	1 Gal.	5 Gal.
Contents of case	24	12	2
Weight of case, lbs.	148	125	90
Per gallon	$		

In Steel Drums

Approx. contents, gallons	15	30	55
Weights per drum, lbs.	130	240	410
Per gallon	$		

FORD ANTI-CARBON AUTO OIL
MEDIUM SUMMER BODY

In Cans

Size of can	½ Gal.	1 Gal.	5 Gal.
Contents of case	24	12	2
Weight of case, lbs.	148	125	90
Per gallon	$		

In Steel Drums

Approx. contents, gallons	15	30	55
Weights per drum, lbs.	130	240	410
Per gallon	$		

FORD CUP AND DIFFERENTIAL GREASE

Ford Cup and Differential Grease is a soft bodied, amber colored lubricant refined from highest quality neutral oils. It will work satisfactorily through Alemite grease guns and is long lasting in cups, differentials, etc.

In Cans

Size of containers	1 lb.	5 lb.	10 lb.	25 lb.
Contents of case, cans	24	12	6	2
Weight per case, lbs.	36	75	76	65
Per pound	$			

In Barrels

Size of barrel	½ Bbl.	Barrel
Contents of barrel	*240	*400
Weight per barrel, lbs.	260	430
Per pound	$	

*Approximate weights.

SOFT CUP GREASE

In Cans

Size of containers	1 Lb.	5 Lb.	10 Lb.	25 Lb.
Contents of case, cans	24	12	6	2
Weight per case, lbs.	36	75	76	65
Per pound	$			

NOTE: Owing to market changes in prices of oils, we do not print lists, best prices will be quoted on application. An extra charge will be made for steel drums which may be returned for credit when empty.

HERCULENE MOTOR OILS

5 Gallon Can

Herculene Motor Oils are refined from pure paraffine Pennsylvania Petroleum. Are made in three weights, light, medium and heavy. Each grade has especially high flash and fire tests which means that they will hold their lubricating body under the intense heat in a motor. The oil will not thin out rapidly, consequently a good seal of oil is kept between the cylinders and cylinder walls which assures maximum power, greater mileage on gasoline and lower upkeep cost on the saving of repair bills.

Drum

HERCULENE MOTOR OIL, LIGHT

	In Cans		
Size of Can	1 gal.		5 gal.
Contents of Case, cans	12		2
Weight per case, lbs.	125		90
Per gallon	$		
	In Steel Drums		
Approximate Contents, gal.	15	30	55
Weight per drum, lbs.	130	240	410
Per gallon	$		

HERCULENE MOTOR OIL, MEDIUM

	In Cans		
Size of Can	1 gal.		5 gal.
Contents of Case, cans	12		2
Weight per case, lbs.	125		90
Per gallon	$		
	In Steel Drums		
Approximate Contents, gal.	15	30	55
Weight per drum, lbs.	130	240	410
Per gallon	$		

HERCULENE MOTOR OIL, HEAVY

	In Cans		
Size of Can	1 gal.		5 gal.
Contents of Case, cans	12		2
Weight per case, lbs.	125		90
Per gallon	$		
	In Steel Drums		
Approximate Contents, gal.	15	30	55
Weight per drum, lbs.	130	240	410
Per gallon	$		

HERCULENE MOTOR OIL, EXTRA HEAVY

	In Cans		
Size of Can	1 gal.		5 gal.
Contents of Case, cans	12		2
Weight per case, lbs.	125		90
Per gallon	$		
	In Steel Drums		
Approximate Contents, gal.	15	30	55
Weight per drum, lbs.	130	240	410
Per gallon	$		

HERCULENE CUP GREASE

Light amber colored, refined from highest grade of neutral oils, supplied in four weights as follows

No. 1—Very soft.
No. 2 Soft
No. 3 Medium soft
No. 4 Hard

No better cup grease made.

	In Cans					
Size of container	1 lb	5 lb	10 lb	25 lb	½ Bbl	Barrel
Contents of case, cans	24	12	6	2	*240	*400
Weight per case, lbs.	26	75	76	65	260	430
Per pound	$					

*Note: Contents given are approximate weight.

HERCULENE GEAR COMPOUND

A dark green semi-fluid grease compounded from 600 steam cylinder oil and fibre grease. Has a high melting point and low cold test. Gears will not track in cold weather and grease will not thin out in hot weather. Unexcelled lubricant for transmission and differential lubrication as it keeps a cushion of grease between all moving gears.

	In Cans			
Size of container	5 lb	10 lb	25 lb	½ Drum
Per pound	$			

NOTE: Owing to market changes in prices of oil and grease we do not print lists, best prices quoted on request.

FORD ANTI-CARBON AUTO OIL

5 Gallon Can

Ford Anti-Carbon Auto Oil is refined from pure paraffine base petroleum. It is filtered extra light in color and contains practically no free carbon, and on account of its extra high fire test, combined with its highest gravity, it is specially adapted for use in Ford motor, which is of high speed and has close-fitting parts; as one oil lubricates the motor and transmission of Ford motors, a light, free-flowing oil is required which will splash and reach all moving parts. This oil will keep a lubricating film between all moving parts at all times, and on account of its high viscosity or body under heat, the motor will not lose compression, which will result in greater mileage per gallon of gasoline and smaller consumption of oil.

One trial of Ford Anti-Carbon Auto Oil will show you the difference between it and the cheaper oils refined from asphalt base crude. Economy in motor oils is not dependent on price difference. Cheap oils are far more expensive than good oils on account of the larger upkeep bills for repairs.

Drum

FORD ANTI-CARBON AUTO OIL
LIGHT WINTER BODY

In Cans

Size of can	½ Gal.	1 Gal.	5 Gal.
Contents of case	24	12	2
Weight of case, lbs.	148	125	90
Per gallon	$		

In Steel Drums

Approx. contents, gallons	15	30	55
Weights per drum, lbs.	130	240	410
Per gallon	$		

FORD ANTI-CARBON AUTO OIL
MEDIUM SUMMER BODY

In Cans

Size of can	½ Gal.	1 Gal.	5 Gal.
Contents of case	24	12	2
Weight of case, lbs.	148	125	90
Per gallon	$		

In Steel Drums

Approx. contents, gallons	15	30	55
Weights per drum, lbs.	130	240	410
Per gallon	$		

FORD CUP AND DIFFERENTIAL GREASE

Ford Cup and Differential Grease is a soft bodied, amber colored lubricant refined from highest quality neutral oils. It will work satisfactorily through Alemite grease guns and is long lasting in cups, differentials, etc.

In Cans

Size of containers	1 lb.	5 lb.	10 lb.	25 lb.
Contents of case, cans	24	12	6	2
Weight per case, lbs.	36	75	76	65
Per pound	$			

In Barrels

Size of barrel	½ Bbl.	Barrel
Contents of barrel	*240	*400
Weight per barrel, lbs.	260	430
Per pound	$	

*Approximate weights.

SOFT CUP GREASE

In Cans

Size of containers	1 Lb.	5 Lb.	10 Lb.	25 Lb.
Contents of case, cans.	24	12	6	2
Weight per case, lbs.	36	75	76	65
Per pound	$			

NOTE: Owing to market changes in prices of oils, we do not print lists, best prices will be quoted on application. An extra charge will be made for steel drums which may be returned for credit when empty.

HERCULENE MOTOR OILS

5 Gallon Can

Herculene Motor Oils are refined from pure paraffine Pennsylvania Petroleum. Are made in three weights, light, medium and heavy. Each grade has especially high flash and fire tests which means that they will hold their lubricating body under the intense heat in a motor. The oil will not thin out rapidly, consequently a good seal of oil is kept between the cylinders and cylinder walls which assures maximum power, greater mileage on gasoline and lower upkeep cost on the saving of repair bills.

Drum

HERCULENE MOTOR OIL, LIGHT

	In Cans	
Size of Can	1 gal.	5 gal.
Contents of Case, cans	12	2
Weight per case, lbs.	125	90
Per gallon	$	

	In Steel Drums		
Approximate Contents, gal.	15	30	55
Weight per drum, lbs.	130	240	410
Per gallon	$		

HERCULENE MOTOR OIL, HEAVY

	In Cans	
Size of Can	1 gal.	5 gal.
Contents of Case, cans	12	2
Weight per case, lbs.	125	90
Per gallon	$	

	In Steel Drums		
Approximate Contents, gal.	15	30	55
Weight per drum, lbs.	130	240	410
Per gallon	$		

HERCULENE MOTOR OIL, MEDIUM

	In Cans	
Size of Can	1 gal.	5 gal.
Contents of Case, cans	12	2
Weight per case, lbs.	125	90
Per gallon	$	

	In Steel Drums		
Approximate Contents, gal.	15	30	55
Weight per drum, lbs.	130	240	410
Per gallon	$		

HERCULENE MOTOR OIL, EXTRA HEAVY

	In Cans	
Size of Can	1 gal.	5 gal.
Contents of Case, cans	12	2
Weight per case, lbs.	125	90
Per gallon	$	

	In Steel Drums		
Approximate Contents, gal.	15	30	55
Weight per drum, lbs.	130	240	410
Per gallon	$		

HERCULENE CUP GREASE

Light amber colored, refined from highest grade of neutral oils, supplied in four weights as follows:

No. 1—Very soft.
No. 2 Soft
No. 3—Medium soft
No. 4—Hard

No better cup grease made.

	In Cans					
Size of container	1 lb	5 lb	10 lb	25 lb	½ Bbl	Barrel
Contents of case, cans	24	12	6	2	*240	*400
Weight per case, lbs	36	75	70	65	260	430
Per pound	$					

*Note: Contents given are approximate weight.

HERCULENE GEAR COMPOUND

A dark green semi fluid grease compounded from 600 steam cylinder oil and fibre grease. Has a high melting point and low cold test. Gears will not track in cold weather and grease will not thin out in hot weather. Unexcelled lubricant for transmission and differential lubrication as it keeps a cushion of grease between all moving gears.

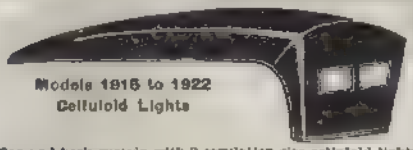
	In Cans			
Size of container	5 lb	10 lb	25 lb	½ Drum
Per pound	$			

NOTE: Owing to market changes in prices of oil and grease we do not print lists, best prices quoted on request.

FOR FORD CARS

TOP COVERS

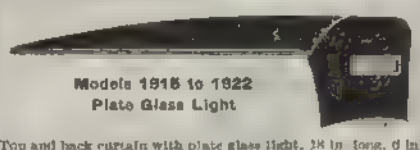
All made of 34 oz. fine grain waterproof material, black back on 1 65 drill. Material and workmanship guaranteed in every way. Complete with tacks, welts, fasteners and instruction sheet, ready to attach to old frame.



Models 1915 to 1922 Celluloid Lights

Top and back curtain with 2 regulation size celluloid lights 1 in fiber carton.

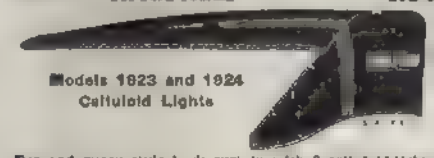
4K8730—For Ford Roadsters..... Each **$3.50**
4K8731—For Ford Touring " **4.50**



Models 1915 to 1922 Plate Glass Light

Top and back curtain with plate glass light, 18 in. long, 6 in. wide, set in japanned frame. 1 in heavy fiber carton.

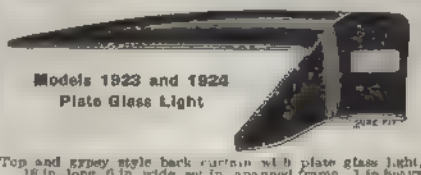
4K8734—For Ford Roadsters..... Each $ Out
4K8735—For Ford Touring " **5.60**



Models 1923 and 1924 Celluloid Lights

Top and gypsy style back curtain with 2 celluloid lights 10½ in. long, 7 in. high. 1 in heavy fiber carton.

4K8736—For Ford Roadsters..... Each **$4.00**
4K8737—For Ford Touring " **5.60**



Models 1923 and 1924 Plate Glass Light

Top and gypsy style back curtain with plate glass light, 18 in. long, 6 in. wide, set in japanned frame. 1 in heavy fiber carton.

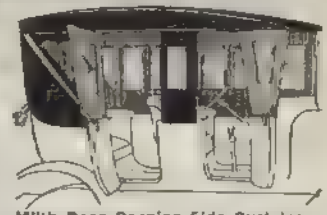
4K8738—For Ford Roadsters..... Each Out
4K8787—For Ford Touring " Out

ONE MAN TOPS

Well made throughout, fits perfectly. Made of 34 oz. long grain drab back material, perfectly tailored. Back curtain is of heavy vitrolized pyroxylin, with clear plate glass light, 6x18 in., set in oblong japanned frame. Complete with bows, sockets, fasteners and instruction sheet. 1 in crate.

Regular Side Curtains

For Ford Roadsters—
4K8784—Models 1915 to 1922 } Each
4K8789—Models 1923 and 1924 } Out
For Ford Touring—
4K8780—Models 1915 to 1922 } Each
4K8781—Models 1923 and 1924 } Out



With Door Opening Side Curtains

34 oz. long grain drab back material, perfectly tailored. Back curtain is of heavy vitrolized pyroxylin, with clear plate glass light, 6x18 in., set in oblong japanned frame. Complete with curtains, to have, sockets, fasteners and instruction sheet.

For Ford Touring—
4K8275—Models 1915 to 1922 } Each
4K8279—Models 1923 and 1924 } Out

FLOOR CARPETS

Heavy first quality carpet, wool and dur[illegible] all wool and same color combination as regular rug furnished as factory equipment. 1 in box.

4K7324—Coupe, 1923 } Each
4K7325—Touring car, 1923 } $2.50
4K7326—Fordor sedan, 1923 } Each
4K7327—Coupe, 1924 } $5.00

TOP PADS

Good quality bow drill, filled with long fluted wadding, making a much smoother job than ordinary excelsior pads. 1 pair in pkg.

For Ford Roadsters—
4K8762—Drab—Models 1915 to 1924, inclusive... Each $2.50

For Ford Touring—
4K8764—Drab—Models 1915 to 1924, inclusive } Each
4K8765—Black—Models 1923 to 1926, inclusive } $5.00

DOOR OPENING SIDE CURTAINS

Latest type curtains, heavy first quality drab cloth material, furnished complete with rods and sockets for curtains, also straps and hooks to swing curtains with the doors. Directions for installing. 1 set in carton.

For Ford Roadsters—
4K8754—Models 1915 to 1923 inclusive. Set **$5.25**
4K8755—Models 1923 and 1924 " **5.25**
For Ford Touring—
4K8758—Models 1915 to 1923 inclusive Set **$7.30**
4K8757—Models 1923 and 1924 " **7.30**

BACK CURTAINS

Models 1915 to 1922

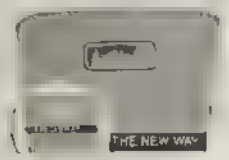
34 oz. fine set in waterproof material, back curtain equipped with plate glass light size 6x18, set in japanned frame, which is rigidly held by wide panel of regular top material. Complete with welts and tacks for attaching.

4K8746—For Roadsters } Each
4K8747—For Touring Car } Out

Models 1923 and 1924

4K8748—For Ford Roadsters } Each
4K8749—For Ford Touring } Out

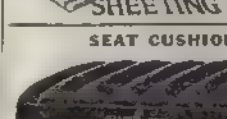
"HASTINGS" REAL GLASS WINDOW



1 Window

4K8922—For 1915 to 1923 Ford 1 Window Curtain, made of heavy duck. Fastens to metal strip at rear only, too prevent rattling. 1 in carton. Each **60c**

CURTAIN CELLULOID



4K8977—Material for repairing curtains. Size 18x24 in. 1 sheet in roll. Sheet **$1.25**

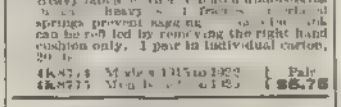
SEAT CUSHIONS

One Piece

Made of heavy fabric to match upholstering, with heavy steel frame, reinforced springs to prevent sagging. 1 in individual carton.

For Roadster and Front Seat of Touring—
4K8770—Models 1915 to 1922 } Each
4K8771—Models 1923 to 1925 } **$4.95**

For Rear Seat of Touring—
4K8772—Models 1915 to 1922 } Each
4K8773—Models 1923 to 1925 } **$5.25**



Divided

For Roadster and Front Seat Touring—Heavy fabric to match upholstering, heavy steel frame, reinforced springs prevent sagging. Cushion can be rolled by removing the right hand cushion only. 1 pair in individual carton, 20 lbs.

4K8774—Models 1915 to 1923 } Pair
4K8775—Models 1923 to 1925 } **$8.75**

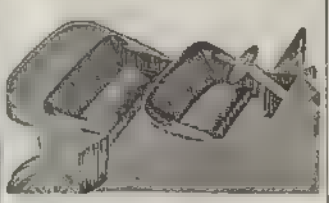
UPHOLSTERING SETS

Models 1915 to 1924 heavy fabric leather upholstered with soft pliable cotton felt, all with tacks, gimp and binding to match. 1 set in carton.

4K8789—For rear seat touring " Out

SEAT COVERS FOR FORDS

Complete For All Parts



Long grain staple cotton material, dark tan leather trim with scroll design. All trimmings and snaps included. Easily detachable for cleaning. Each set complete with fasteners in carton.

Coupe,
4K7505—" 1923..... } Set
4K7502—" 1924..... } Out

4K7508—" " " 1920-23 } Set
4K7510—" " " 1922 } Out

4K7513—Fordor sedan, 1923... Set Out

DOOR AND BODY EQUIPMENT

Compressed fiber, imitation leather finish, ready to install. 1 set in package.

4K8786—For Roadsters, models 1915 to 1924 SET 3 pcs. Out
4K8787—For Touring Cars, models 1915 to 1924 " SET 6 pcs. Out

"A C" SPEEDOMETER

4K8675—A high grade magnetic instrument, fully jeweled, registers 70 miles per hour, 100,000 mile total and 100 mile trip, 6 in. dial face, nickel finish with white figures, black enamel bezel, with drive, long shaft, gears and attachments. 1 in pkg., shipping weight 11 lbs. Each **$8.75**

"A C" SPEEDOMETER

Latest model, having colored numerals, which appear when car needs to be greased or oil replaced.

4K8674—Model 100R1, 3 in. dial face 75 mile rotating speed dial, 100,000 mile season registor, 100 mile trip odometer. Complete with driving shaft, gears and attachments. 1 in pkg., shipping weight 11 lbs. Each Out

"A C" SPEEDOMETER

Latest model, having colored numerals, which appear when car needs to be greased or oil replaced.

4K8674—Model 100R1, 3 in. dial face 75 mile rotating speed dial, 100,000 mile season registor, 100 mile trip odometer. Complete with driving shaft, gears and attachments. 1 in pkg., shipping weight 11 lbs. Each Out

Our Terms

2% 10 DAYS
1% 30 DAYS
NET 60 DAYS

FOR FORD CARS

ELECTRIC HEAD LAMPS

For 1915 and later Fords

Parabola Shape—Drawn steel body, 9¼ in. long. Black enamel inside and nickel plated outside. Reflector and lens 6 volt 21 c. p. Mazda bulb.

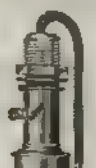
4K8323—1 pair in box. Pair **$3.50**

4K8324—**Drum shape,** drawn steel body, 9¼ in. diam., nickel plated brass door silvered reflector, complete with 6 volt 21 c. p. Mazda bulb. Furnished with Anti-Glare Lens. 1 pair in carton. Pair **$4.95**

ELECTRIC TAIL LAMP

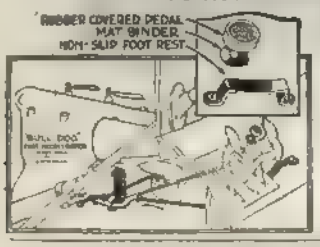
4K8320—For 1915 and later Fords, 3½ inch diameter steel body black enamel finish, 8 candle power ruby lens, offset on bracket for license plate. Mazda bulb, white lens. 1 in box. Each **$1.00**

DASH LAMP



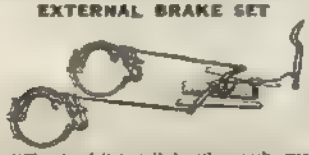
4K8994—"Pronto"—2¼ in. long, brass nickeled and polished, long threaded neck makes it suitable for either wood or steel dash. Furnished complete with 6-8 volt 2 c. p. single contact bulb, with wire. 1 in carton. Each **40c**

BULL DOG ACCELERATOR



4K8353—Best materials throughout—easily installed and works independently of hand throttle. Gives positive smooth and quick control over throttle. Each accelerator with foot and all parts attaching in carton. Each **85c**

EXTERNAL BRAKE SET



4K8217—"Cleveland," installed with wrench, guaranteed against imperfections, lined with "Lumco" brake lining steel rods, attached to brake pedal, delivers braking power direct to wheels, same as all larger cars. 1 set in carton with directions. Set **$8.50**

FOR FORD CARS

"K-W" COIL CONTACTS

THE K-W IGNITION CO. CLEVELAND, OHIO, U.S.A.

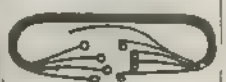
4K8740—**Contacts,** equipped with Tungsten points and springs. 1 upper and 1 lower in box. 4 pairs in pkg. Pair **12c**

WIRING OUTFITS

Soldered Terminals

Spark Plug Set—Copper wire, beaded cover copper terminals, cut to correct lengths. 1 set in pkg.

4K8380—4 wire set. Set **16c**



Ignition Harness, Braided Cover—18 gauge copper wire, rubber insulated, braided cover varicolored, copper terminals, oil and waterproof. 1 set in pkg.

4K8389—5 wires, for Fords with electric lights. Set **28c**

4K8392—8 wires, for Fords with electric lights and starter. Set **36c**

4K8394—7 wire set, for all Fords equipped with starter. Set **50c**

10 sets or more Set **48c**

SUPERIOR GASOLINE GAUGE

Replaces gas tank cap, float rod shows quantity of gas in tank. Window advertising pocket included with dash, lists ½ lot in carton.

4K8947—For square tanks coupes and sedans up to 1923.

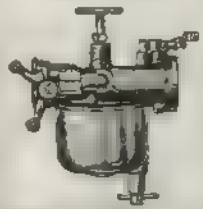
4K8948—For touring and roadsters from 1911 to 1923 inc. 1923 sedans.

Doz **$8.00**

"DELTA" TIMER

4K9052—"Delta," practically a duplicate of regular Ford timer and only in very rare instances will cost as to need replacing. Is guaranteed in every respect. 1 in carton. Each **48c**

CARBURETORS



"Holley"—Model 1N-H made with very few moving parts results in a rich mixture gives quick acceleration and saves in fuel consumption.

4K9247—1 in box. Each **$3.25**

"Kingston Deluxe"—Two ways it saves—better vaporized fuel cleaner produces phenomenal results. Gives more mileage, quicker get-away, power on hills and instant starting. 1 in box.

4K9248—... Each **$8.00**

WINDOW ANTI-RATTLER

4K8328—Brass, highly nickel plated and polished, universal model with lock nut. 4 in pkg. Each **15c**

"ACCO" CORK GASKET SET

4K8582—Pressed cork practical, durable, extensively advertised, 4 pieces in set. 1 set in box. ... Set **42c**

"MILWAUKEE" TIMER

Asked for whenever a good timer is wanted by the buyer who knows timers. The added feature of the bakelite short-circuit-proof shell will make it, beyond a doubt, the best selling timer on the market.

4K9053—"Milwaukee," Bakelite short circuit proof shell, polished parts—all machined, ground and polished and carefully assembled, is one of the most reliable timers on the market. 1 in box.

Each **$1.38**

10 or more, Each **$1.34**

TRANSMISSION LINING SETS

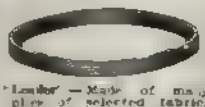
4K8219—"White Stripe," a specially woven heavy wear resisting material of uniform texture throughout, is not affected by heat, oil and unharmed by ... 1 set in box. SET 18 pcs. **$1.65**

"Cork Feltbak," Interwoven cotton reed cork inserts, felt backing acts as oil reservoir. 1 set in box.

4K8124—... Set.

12 sets or more Set Out

FAN BELTS

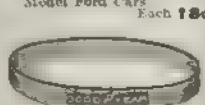


"Leader"—Made of many plies of selected fabric, treated with special compound to resist water, oil, heat and wear. This belt will stretch or break and is guaranteed in every respect.

4K8570—For 1917 & later Model Ford Cars.

4K8571—For 1921 to 1924 Model Ford Cars.

Each **18c**



"Goodyear" Fabric—28½ in. long, rubber cord fabric, stitched at splice, a belt that will give unusual wear. 1 in pkg.

4K8572—For 1917 and later Fords. ... Each **24c**

STEERING WHEELS

"Tiltlok"

17 in. tilting lock wheel, genuine walnut rim, hardened steel spider, heavily nickeled cast-in lock for which two keys are furnished. Tilting feature enables driver to slide steering wheel out of position when entering or departing from driver's seat. This wheel is approved by Underwriters' Laboratories, which will reduce theft insurance from 15% to 5%.

4K7551—For Chevrolet

4K7552—For Dodge

Each **$9.95**

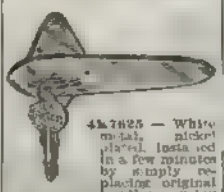
Approved by Underwriters' Laboratories

4K8581—17 in., walnut laminated wood spider for spoke, 4 pin tumbler "Russwin" lock, 2 keys, ball bearing, case hardened, nickel plated bonding hexagon shape approved by Underwriters' Laboratories, electric horn button on top of the wheel, all wires concealed.

1 in carton

Each Out

"ADVANCE" DOOR LOCKING HANDLE



4K7625—White metal, nickel plated. Installed in a few minutes by simply replacing original handles, using same screw holes, no screws exposed after installation, same size and design as regular Ford handles, but with locking feature. Set consists of 1 key locking handle with screws and one non-locking handle. 1 in box with instructions for installing.

Set Out

"BIMEL" DEMOUNTABLE RIMS

For all Ford, Chevrolet and Overland cars

4K8213—Extra quality hickory wheel, painted and varnished black, with 3 in. rim to be mounted on the wheel without alterations or drilling. 1 in carton

Each **$2.98**

REPLACEMENT WHEELS

Clincher type, selected hickory, painted black, guaranteed perfect construction. 1 in pkg.

4K8207—Size 30x3.

4K8206—30x3½

Each **$2.56**

STEP PLATE

4K7953—8¼ in. long, 7 in. wide, for all light cars with narrow running boards, including 1924 model Fords, stamped from high polished. 1 in pkg.

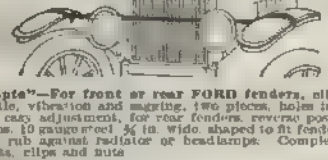
Each **88c**

RUBBER PEDAL PAD SET

4K8839—Extension steel with rubber inserts, rigidly attached to pedal by screw. Extension, pedal and 1 plate pad for reverse pedal. 1 set in box.

Set **35c**

"EQUIPTO" FENDER BRACES



"Equipto"—For front or rear FORD fenders, eliminates rattle, vibration and sagging, two pieces, holes in center for easy adjustment, for rear fenders, reverse position of ribs. 10 gauge steel ⅝ in. wide, shaped to fit fenders, will not rub against radiator or headlamps. Complete with bolts, clips and nuts

4K7754—1 in carton

Each **35c**

"K-W" COIL

THE K-W IGNITION CO. CLEVELAND, OHIO, U.S.A.

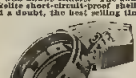
4K8751—Coil, for all Fords or Fordson tractors, hardwood brass connections, "K-W" tungsten points and springs. 1 in pkg. Each **$1.15**

For contacts only see top of second column.

FOR FORD CARS

"MILWAUKEE" TIMER

Asked for wherever a good timer is wanted by the buyer who knows timers. The added features of the bakelite sheet-circuit-proof shell will make it, beyond a doubt, the best selling timer on the market.



4K8933—"Milwaukee," bakelite sheet circuit proof shell, polished parts are machined, greased and polished and carefully assembled is one of the most reliable timers on the market. 1 in box
Each **$1.58**
10 in display carton. Each **1.34**
In lots of 50 Each **1.30**

"K-W" IGNITION FOR BATTERY EQUIPPED FORD CARS

4K8929 Eliminates all timer trouble and brings ignition parts away from all grease and dirt, accurate timing by positive mechanical contact, bakelite insulation throughout. 1 in carton
Each **$6.25**

TRANSMISSION LINING SETS

3 strips cut to correct lengths, complete with brass rivets.

"Russ-I" Long cotton interwoven fabric treated to resist burning and glazing. Made according to Ford specifications
4K8915—1 set in box
SET (5 pcs) **45c**

CONNECTING ROD

4K8905—2 piece forging. 30 to 40 carbon steel babbit analysis, S. A. E. specifications, mech. Each **84c**

"SUPERIOR" GASOLINE GAUGE

Replaces gas tube cap. Read and shows quantity of gas in tank, durable construction. Window protects mechanism, with dust tube 3/8 ODS. In carton.
4K8981—Color of brass, with copper & nickel trim
Each **$4.00**
4K8918—For Ford Coupe, Sedan & roadster 1921 to 1923 and 1924 sedan..... Each **$6.00**

RUBBER PEDAL PAD SETS

4K8934 Pedal pads of heavy rubber, 2-piece style for perfect and private fit. Applied from pedal. 1 set in carton
Set **15c**

4K8919 Extension, steel with pad for heel, rigidly attached by one screw to accelerator pedals and 1 plain pad for reverse pedal. 1 set in box.
Set **25c**

TIMERS

"Delta"—Practically a duplicate of regular Ford timer, and only the very best materials are used in its manufacture. Fully guaranteed in every respect. Each
4K8954—1 in carton **45c**

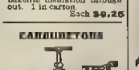
"Goodrich"—Ignition steel case, polished, perfect construction and adjustment, quick hot sparks. Each
4K8952—1 in box **65c**

ELECTRIC HEAD LAMPS

For 1915 and later Fords

Parabola Shape—Brass, nickel body 9 inches in dia. and 10 inches deep, mounted on silvered reflector, complete with 6 volt, 21 c.p. Mazda bulb.
4K8932—1 pair in box
Pair **$2.95**

CARBURETORS



"Holley"—Model N II, mass with very few moving parts resulting in minimum wear, gives quick acceleration and saves in fuel consumption
4K8767—1 in box
Each **$3.25**

"Kingston"—New model L-24, with fuel strainer and separate throttle adjusting pins, for raising and lowering engine idling speed when throttle is closed, down to walk or service speed to highest speed
4K8962—1 in pkg
Each **$3.00**

"White Stripe"

"White Stripe" a special made to wear" weave unsurpassed amount of cotton to the inch, through special treatment is not affected by heat, oil and unburned fuel. 1 set in box.
4K8938—SET (5 pcs) **$1.38**

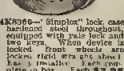
"SIMPLEX" RIGID STEERING WHEEL LOCK

For Ford Cars

Approved by Underwriters Laboratories.

4K8966—"Simplex" lock case hardened steel throughout, equipped with pair keys and 2 extra keys, no device to injure. Furnished with 2 locks. Field wrs get about 1 day's trouble to convert plate to fit
Each **$2.95**

"ADVANCE" DOOR LOCKING HANDLE



Nickel Plated

4K8925—White metal nickel plated, installed in window glass, handle operates window crank, no drilling necessary, fits all Ford handles. Complete with locking feature. Set consists of 2 lock locking handle with keys and 1 automatic handle. 1 pair in box with instructions for installing
Pair **$1.65**

5 PC. WRENCH SET

4K8975—5 piece set, roofing wrenches made especially for Ford cars. Type of set is 5 in one and has 1 socket 1 of 1 screw driver handle reversed for transmission hand. All made of white nickel and fully guaranteed. 1 set in box
SET (5 pcs) **$1.45**

BLACK ENAMELED STEEL TOOL BOX

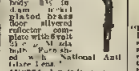
4K8995—22x8x7, heavy sheet steel, black enameled (baked on), electrically welded seams and hinges, strong lock, 2 safe cabinet keys. 1 in carton. Each **$1.35**

WIRING OUTFITS

Spark Plug Set—Copper wire, braided cover, copper terminals, and to correct length for 1 set in pkg.
4K8965—4 wrench. Set **14c**

Ignition Harness—18 gauge copper wire, rubber insulated, wrapped in colors, copper terminals, oil and water-proof. 1 set in pkg
SHIELDED COVER—
4K8968 — 7 wires, for conducting electric lights, starter and dome light
Set **$2.25**
4K8939—5 wires, for Ford With electric lights
Set **2.25**
4K8972 6 wires, for Ford with electric lights and starter
Set **2.90**
METALLIC COVER—
4K8970—5 wires for Ford with electric lights
Set **2.45c**

"PRESTO" DASHLAMP



4K8926—3 in. bone, heavy brass, nickeled and polished, long threaded shank makes it suitable for either wood or steel mounting. Furnished complete with extra set screw, 2 extra contact leads with wire 1 in. long. Each **38c**

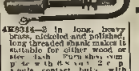
"K-W" COIL AND CONTACTS

4K8931 Coil, for all Fords or Fords with 6 volt system, with 3 terminals, 1 for battery, 1 for switch, 1 for ground
Set **$1.15**
4K8924 Contacts complete with 3 screws, points and springs. 1 set and screws in envelope. Each
Per pkg **12c**

ELECTRIC TAIL LAMP

4K8936—For 1 in. and later Fords. With inch glass steel body, black enameled 1 in. mounting bracket with ruby lens for use on switch, 3c, P. Tung-sten bulbs, white side lens 1 in box.
Each **38c**

"TROJAN" HORN



4K8938—11¾ in., baked enameled steel shell, exterior nickel plated, perfected air pulp, guarantee universal make, fits any car using 6 volt battery. 1 in box
Ideal for Fords
Each **$2.48**

"Russ-I" Long cotton interwoven fabric treated to resist burning and glazing. Made according to Ford specifications

4K8915—1 set in box
SET (5 pcs) **45c**

"White Stripe" a special made to wear" weave unsurpassed amount of cotton to the inch, through special treatment is not affected by heat, oil and unburned fuel. 1 set in box.

4K8938—SET (5 pcs) **$1.38**

"Cork Feltbak" interwoven cotton packing and cork felt backing acts as oil reservoir. 1 set in box.

4K8128—SET (5 pcs) **$1.05**

FAN BELTS

"Hardrast" Made of many plies of selected fabric, treated with a special compound to resist water, oil, heat and wear. This belt grips the pulley and will not flavel slipping or break. Guaranteed in every respect.

4K8370—For 1917 to 1920 Model Ford Cars.
Each **1.60**
4K8371—For 1921 to 1924 Model Ford Cars.
Each **1.60**

"Goodyear" Fabric—2½x64 in. in rubberized friction, stitched all around. 1 in pkg
4K8373—For 1917 and later Fords.....Each **24c**

VICTOR GASKETS

Made of copper, brass and asbestos composition with washers

4K8728 Cyl other head gaskets only 1 in pkg Each **20c**

4K8729 Cylinder head gasket only 1 in pkg Each **20c**

4K8730 Cylinder head gasket and manifold pipe gaskets and tank sending unit plate gaskets 1 in pkg Set **30c**

"ACCO" CORK GASKET SET

4K8964 Pressed cork gaskets fitted to fit any car using 6 cylinder Ford engine. 1 set in box
Set **28c**

SPARK PLUG & CYLINDER HEAD WRENCH

4K8826 — Drop forge steel, ends accurately proportioned black enameled finish. 1 in pkg
Each **20c**

BULL DOG ACCELERATOR

Makes driving of Ford a real pleasure—gives smooth riding and easy economical control of gas.

4K8335—Best material throughout—easily installed and works perfectly—if hand throttle is not desired, the rod connected with foot pedal can be removed. Complete with all parts of attaching device. Each **85c**

FOR FORD CARS

FENDERS

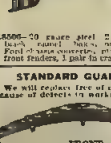
20 gauge steel, 2 coats lustrous black enamel baked on).

Front Only
2 fenders, 1 pair in crate, 43 lbs.
4X8501 — For 1917 and later Fords
Per pair $5.00
Rear Only
2 fenders, 1 pair in crate, 75 lbs.
4X8502 — For all Fords
Per pair $4.00

Complete Set—Front and rear, 4 in set, 1 set in crate, 75 lbs.
4X8504 —For 1917 and later Fords
Set 1 pair $8.75

"PEERLESS" COMMERCIAL REAR FENDER

The well known and big selling "Peerless" fender for Ford trucks.



4X8505—20 gauge steel, 2 coats lustrous black enamel baked on). Use 2 pair of Ford open car fenders, put two on for front fenders, 1 pair in crate. Pair $3.50

"PEERLESS" Honeycomb Radiators

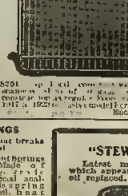
Honeycomb core practically indestructible, black enameled. Large water capacity, reading surface 3 times larger than type of core now used as standard equipment, guaranteed to keep engine cool under the most severe conditions, all parts in contact with water are brass, freezing will not burst it. 1 in crate.

4X8493—For 1916 and earlier Fords
Each **$11.50**

4X8496—For 1917 to 1923 inclusive 40 Ho.
Each **$10.50**

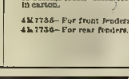
4X8497—For 1924 models 21 Ho.
Each **$11.50**

BRASS TUBULAR RADIATOR



4X8201—Special core, vertical back construction, has extra large cooling surface. Sheet copper for 1917 to 1923 inclusive (extra quality) core in box. Each **$10.50**

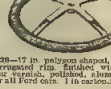
"STAR" FENDER BRACE



Holds fender rigid and in proper position. Can be attached in few minutes without tools. There are no holes to drill or bolts or rivets to become loose. Each brace enameled and in carton.

4X7735—For front fenders. Each **80c**
4X7736—For rear fenders. " **80c**

WALNUT STEERING WHEEL



4X8538—17 in. polygon shaped, solid walnut, corrugated rim, finished with two coats spar varnish, polished, aluminum spider, for all Ford cars. 1 in carton. Each **$1.95**

ALL WOOD LOCKING STEERING WHEEL

4X8531—17 in. walnut, laminated wood spider for spoke end, 4 bolt fumbler "Hyatt" roller bearings, 2 ball bearings, cam-lock spark and throttle levers, 3 spokes drilled for horn button, 1 in. long, 3/8 in. wide, 3 spokes drilled for horn button, top of the wheel all wires concealed, all electrical equipment completely covered. 1 in carton. Each **$10.50**

APRIL 1st DATING

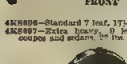
On any general bill of Sporting Goods (including Footwear), amounting to $50 or more, Auto Tires and Accessories, amounting to $50 or more, or a combination order of $75 from these departments, we will allow the following terms:

INVOICE TO DATE AS APRIL 1

2% 10 days, 1% 30 days, net 60 days

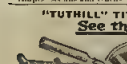
STANDARD GUARANTEED SPRINGS

We will replace free of charge any spring that breaks because of defects in material or workmanship.



FRONT

Front Springs—Made of high grade special analysis spring steel, heat treated oil tempered 1 in pkg.
4X8496—Standard 7 leaf, 37½ lbs. Each **$1.15**
4X8497—Extra heavy, 9 leaf, for Ford commercials, cars, coupes and sedans, 39 lbs. Each **$1.90**



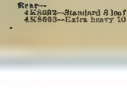
REAR

Rear Springs—Made of high grade special analysis spring steel, heat treated oil tempered 1 pair.
4X8695—8 andard 8 leaf, 41½ lbs. Each **$3.75**
4X8696—Extra heavy, 10 leaf, for Ford commercial cars, coupes, sedans and trucks, 57 lbs. Each **$4.75**

"TUTHILL" TITANIC SPRINGS See that Arch

For all Model Ford Cars. These are springs of the highest quality obtainable, scientifically tempered alloy steels, reinforced against center breakings.

Front—
4X8690—Standard 7 leaf ..... Each **$3.40**
4X8691—Extra heavy 9 leaf **4.00**



Rear—
4X8692—Standard 8 leaf ..... Each **$6.80**
4X8693—Extra heavy 10 leaf **7.75**

"STEWART" SPEEDOMETER

Latest model, having colored numerals, which appear when car is ready to be greased or oil replaced.

4X8674—(Model 100B) 3 in. dial face, 75 mile speed (but can be used on cars that will go faster), 1 in. diameter, 2 in. long, 3/8 in. thread, 1 in. long, 3/8 in. thread, 1 in. long, 3/8 in. thread, 1

SPORT BODIES

GREYHOUND, For Ford Cars

Body, hood and shell made of 20 gauge cold rolled auto steel; wood frame; finished in glossy sunset red and Atlantic green; back tilted seat upholstered; cushion upholstered over coil springs and French plaited; full length ash sill wood floor over full length of body, rabbetted into sills; hardwood support carries steering post in lower position; metal wear plates installed on pedal and brake lever openings. Body is so constructed that it can be easily attached and will fit any Ford chassis and enable buyer to use old radiator, dash and gasoline tank. Cowl is very high so the driver crouching behind the steering wheel is out of the wind. Length 133 inches; from dash to back seat 56 inches: height of cowl from floor 25 inches; height of back 23 inches; width of seat 35 inches; size of door in boat 35x13 inches; Floor opening provided to give easy access to battery, which must be located in rear of chassis.

Radiator, Gasoline Tank, Body Brackets and Disc Wheels not Furnished.

	Each
No. A-33G—Body complete as illustrated with hood and shell painted. (State color wanted)	✚255 00 *$107 00*
No. A-34P—Body in primer	✚240 00

Crated; ship wt each 337 lbs

EXTRAS FOR ABOVE BODY

	Each
No. A-46W—One-piece windshield	✚31 50 *$13 00*
No. A-60T—Bow and socket style top with side curtains	✚72 00 *30 00*
No. A-1—No. 1 underslung parts	✚48 00 *20 00*
No. A-57S—Military steel steps	✚7 35 *3 10*
	Per Set of 8
No. A-61SD—Steel discs for inside and outside of wheels (State if demountable rims with 4 or 5 lugs)	✚36 00 *$15 00*

✚F. O. B. Illinois Factory Only.

SPORT BODIES

ARISTOCRAT, For Ford Cars

Body, hood and shell made of 20 gauge cold rolled auto steel with hardwood and steel reinforced frame; finished in glossy sunset red or Atlantic green; back tilted seat softly padded; cushion built with spiral steel springs padded. Commodious space gives ample seat room and convenient leg room to enable persons of any size to ride and drive with perfect ease; high grade imitation leather is used throughout; one piece ventilating type windshield, with rubber weather flap. Frame well built of auto body lumber, ash sill 6x2 inches; hardwood supports carries steering post in its position; wood floor; metal wear plates installed on pedal and brake lever openings; ventilating louvres decorate both sides of hood and enhance air circulation; Instrument board accomodates speedometer, clock, gauges, starter and lighting instruments; bow and socket type top covered with rubberized tapping material; oval glass in back; large window in side curtains, (military square top furnished at same price) The body can be easily attached and is so constructed that it will fit the Ford chassis perfectly and securely, using old fenders, running board, dash and radiator. Length 122 inches; from dash to back seat 56 inches; height of cowl from floor 24 inches; height of back 22 inches; width of seat 34 inches; door 15x18 inches. Floor opening provided to give easy access to battery.

Radiator, fenders, dash, body brackets, wheels and tires not furnished.

	Each
No. A-39A—Body complete as illustrated with shell hood and top windshield, painted. (State color wanted)	✚366 00 *$155 00*
No. A-48P—Body in primer	✚351 00

Crated; ship wt each about 400 lbs.

EXTRAS FOR ABOVE BODY

	Per Set
No. A-49F Individual fenders complete with aprons and dust shields	✚96 00 *$41 10*
	Each
No. A-57S—Military steel steps	✚7 35 *$3 10*
No. A-1—No. 1 underslung parts	✚48 00 *20 00*

✚F. O. B. Illinois Factory Only.

SPORT BODIES

FLEETWING, For Ford Cars.

Body, hood and shell made from 20 gauge cold rolled auto steel, heavy wood frame; finished royal red, winton green or battleship gray; well padded spiral spring seat and back upholstered with high grade imitation leather; wood floor with metal wear plates installed on pedal and brake-lever openings; ventilating turrets decorate both sides of hood and helps air circulation. Length 118 in from dash to back of seat 55 ins; height of cowl from floor 25 ins; height sides from floor 9 ins; width seat 35 ins; size door on rear of body 14x31 ins.

RADIATOR, GASOLINE TANK, FENDERS, DASH BODY-BRACKETS, TOP AND WINDSHIELD NOT FURNISHED

	Each
No. A-43KS—Body complete with high hood and shell, painted. (State color wanted)	+156 00
	$56 00
No. A-44P—In Primer	+147 00
	61 00

Crated; ship wt each 265 lbs

EXTRA FOR ABOVE BODY

	Each
No. A-62W—1 piece windshield	+31 50
	$1 [illegible]
No. A-63T—Bow top complete with side curtains	+63 00
	2[illegible]
	Per Set
No. A-49F Individual fenders complete with aprons and dust shields	+96 00
	$10 00
	Each
No. A-57S—Military step-plates	+7 35
	$3 10
	Per Set of 8
No. A-61SD—Steel discs for inside and outside of wheels, (State if demountable with rims 4 or 5 legs).	+36 00
	$15 00

Cold rolled auto steel; finished with brackets and bolts at every possible point to insure ample factor of strength and free from rattling

	Per Set
No. A-49F—Fenders with aprons and dust shields	+96 00
Crated; wt each 120 lbs.	*$40 00*
	Each
No. A-53C—Carrier for spare tire or wheel	+17 25
	$7 00
	Each
No. A-57S—Individual steps	+7 35
	$3 1[illegible]

+F. O. B. Illinois Factory Only.

UNDERSLUNG PARTS

EQUIPTO, For Ford Cars

Parts made of steel and malleable iron. Easy to install as no cutting is required. Lowers the Ford frame about four inches which permits high speed and safety.

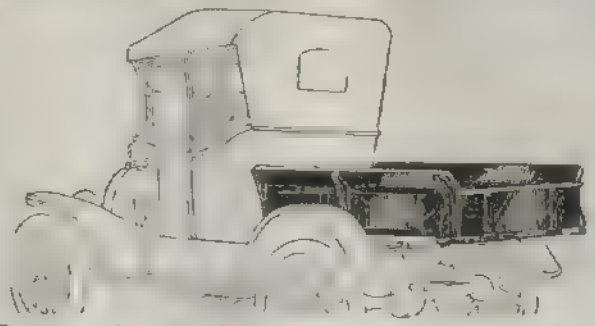
	Per Set
No. A-UP9—Complete instructions furnished for installing	+25 50
	$10 80

One set in carton, wt per set 30 lbs

EXPRESS BODIES

FOR ORDINARY FORD CHASSIS, EITHER ROADSTER OR TOURING CARS

Painted black; flare boards and cross rails are of hardwood; three double steel braces on either side. Equipped with a drop tail gate and good substantial fasteners. Width 33 inches; height over all 12 inches; 4½ inch flare boards.

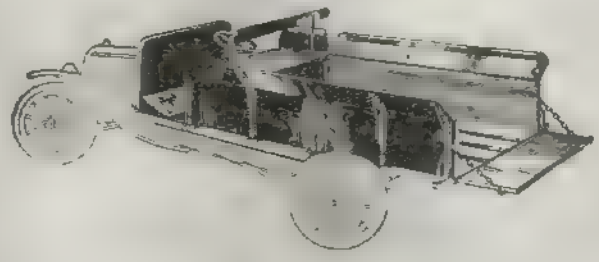


Bottom and cross rails put together ready to receive sides and ends. Sides and flare rails packed flat, which takes a low rate of freight and is easily bolted together.

	Each
No. A-14-48 48 in; shipping wt 95 lbs	$30 00
No. A-14-60—60 in; shipping wt 118 lbs	31 50

Crated; K. D. flat.

FOR ORDINARY FORD CHASSIS, EITHER ROADSTER OR TOURING CARS



Flare boards and cross rails of hardwood; balance of body selected material; body throughout is well ironed; flare boards and bottom stripped with wear plates, chain end gate adjustable to any load. Painted black.

Loading space 43x63 inches; height over all 15 inches.

Base is put together ready to receive sides and ends, which are packed flat to insure a low rate of freight. Easily set up.

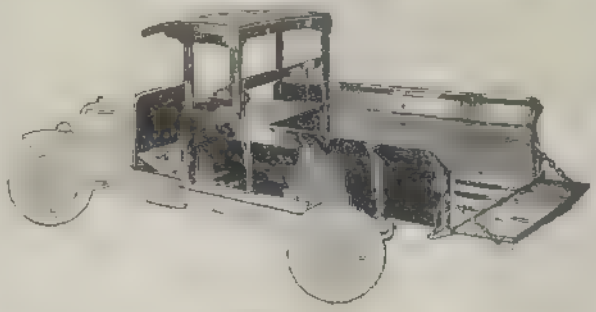
	Each
No. A-15—Furnished complete with foot boards and full length lazy back (**Dash not included**); shipping wt 400 lbs	$114 00

Crated; K. D. flat.

+F. O. B. Illinois Factory Only.

EXPRESS BODIES

FOR ORDINARY FORD CHASSIS, EITHER ROADSTER OR TOURING CARS



With Cab.

Flare boards and cross rails of hardwood. Balance of body selected material, well ironed throughout. Flare boards and bottom stripped with wear plates. Chain end gate adjustable to any load. Deck of cab covered with oil drill; has hardwood posts and substantially bolted together. Painted black.

Loading space 43x63 inches; height over all 15 inches.

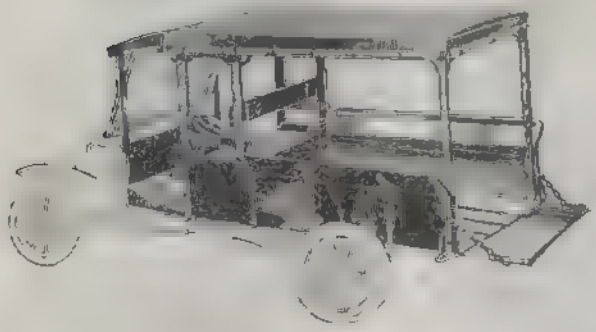
Base is put together ready to receive sides and ends, which are packed flat to insure a low rate of freight. Easily set up.

Each

No. A-19—Furnished complete with foot boards and full length lazy back. **(Dash not included)**; shipping wt 550 lbs $156 00

Crated, K. D. flat.

FOR ANY MODEL T FORD CARS



With Top.

Flare boards and cross rails of hardwood. Balance of body selected material, well ironed throughout. Flare boards and bottom stripped with wear plates. Chain end gate adjustable to any load. Top has six hardwood posts, braced both ways with steel braces, which insures a rigid top. Deck covered with black oil drill. Painted black.

Loading space 43x63 inches; height of body 15 inches.

Furnished with five curtains. One small curtain on each side of driver's seat with celluloid lights. Two full length side curtains, and one rear curtain with celluloid lights. All curtains black oiled drill, with straps and buttons for fastening to flare boards and end gate.

Each

No. A-18—Body complete, except windshield and dash; shipping wt 650 lbs ..... +$204 00

Crated; K. D. flat.

+F. O. B. Illinois Factory Only.

WINDSHIELDS

Fits Nos. 15,18,19 and 20 Express Bodies.

Frame made of hardwood and well ironed. Adjustable sash.

Each

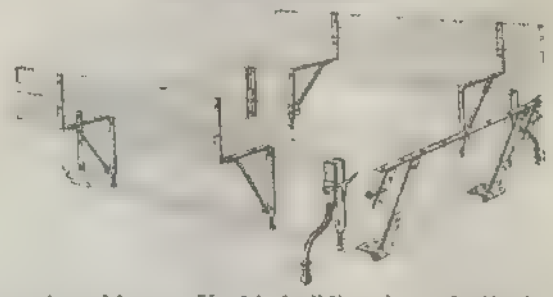
No. A-21—Height 54 ins; width 40 ins; glass 20x3[illegible] ins $54 00

Crated; ship wt each 90 lbs.

BODY IRONS

BILD-YUR-OWN,

For Ford Roadsters.



Drop forged irons. Used in building slip-on bodies for Ford Roadsters.

This set is known as the extension flare board set. Note the additional capacity due to this style of flare board and the additional strength given by the extra flare board brace. This set will make an ideal body for the truck-garden farmer, small fruit grower, plumber, painter or a contractor needing a light truck for carrying tools to a job.

Each set packed in individual box with patterns for cutting out the wood, and full instructions for building bodies.

Set No. A-3B, For 9 Inch Panel Body.

Consists of the following:

4—Flare Board Irons	2—End Gate Hinges
4—Flare Board Braces	2—End Gate Fasteners
2 Rear Outside Braces	2—Pivot Plates
3 Rear Inside Straps	1—Tail Gate Edge Irons
2 Front Corner Irons	Bolts, Nuts, Screws, etc.

Per Set

No. A-3B—Complete as described above ..... +15 00

One set in box; wt per set about 28¾ lbs. $6 00

+ F. O. B. Ohio Factory Only.

Our Crusader Paints are universally known. Compare the formula with other brands. It's as good as paint can be made.

BODY IRONS

BILD-YUR-OWN,
For Ford Roadster.

Drop-forged irons. Used in building slip-on bodies for Ford Roadsters. Each set is packed in individual box with patterns for cutting out the wood, and full instructions for building bodies.

Set No. A-1B For 9 inch Panel Body.

Set consists of the following:

4—Flare Board Irons	2—End Gate Fasteners
2 Rear Outside Braces	2 Pivot Plates
2 Rear Inside Straps	1—Tail Gate Edge Iron
2—Front Corner Irons	Bolts, Nuts, Screws, etc.
2 End Gate Hinges	

Per Set

No. A-1B—Complete as described above..... **+12 00**
One set in box; wt per set about 19 lbs. *$4 60*

Set No. A-2B For 9 inch Panel Body.

Same as No. A-1B set, except with rear inside braces instead of straps.

Set consists of the following:

4—Flare Board Irons	2—End Gate Fasteners
2 Rear Outside Braces	2—Pivot Plates
2 Rear Inside Braces	1—Tail Gate Edge Iron
2 Front Corner Irons	Bolts, Nuts, Screws, etc.
2—End Gate Hinges	

Per Set

No. A-2B—Complete as described above..... **+9 45**
One set in box; wt per set about 17¼ lbs. *$3 60*

AUTOMOBILE BEDS

UNIVERSAL

Selected hardwood, well seasoned frame; malleable iron rustproof fittings; olive drab, heavy woven, canvas bed mat. Quickly erected and taken down. Packs like an umbrella when not in use. (see illustration).

Designed to fit Fords and all other touring cars.

Each

No. A-46CB—Size bed mat 46x84 inches. Complete with all necessary parts for attaching..... **+$45 75**
One in cardboard box, wt each 11 lbs.

+Body Irons—F. O. B. Ohio Factory Only.

+Automobile Beds—F. O. B. Missouri Factory Only.

TOURING TENTS

BAKER "SPECIAL"

Especially designed for automobilists who would get the maximum of comfort, convenience and pleasure from motoring either on the day's trip or the extended tour. Give ample room for two or three. Standard weight material, has khaki waterproofed top and side wall, balance of tent is white; tent is fastened to car by two bands thrown over the top and tied on opposite sides, three guy ropes when tightened spread the tent making it ready to enter; no poles needed.

Nos.	A5477	A5479
Size	7x7 ft	7x9 ft 4 ins
Wt each, lbs	18	22
Each	**+45 00**	**+52 50**
List, Each	*$17 35*	*20 00*

Packed loose.

Each

No. A-79B Carrying bag for above tents **+4 20** *$1 60*

PALMETTO

Standard duck waterproof top sides and awning. Awning may be lowered, completely closing door opening. Center pole has four jointed arms extended to four corners of top, so that top goes up just like raising an umbrella. Center pole and awning poles are jointed so that no peice is over 4 ft long.

With 12 oz Khaki Army Floor and Threshold Sewed In, with Bobbinet Door Curtains, but without windows.

Nos.	A-5470B	A-5488B	A-5480B	A-5400B
Size, ft	7x7	8x8	10x8	10x10
Wt each	41	46	50	56
Each	**+96 00**	**+102 00**	**+129 00**	**+142 50**
List, Each	*$36 50*	*39 57*	*49 23*	*55 80*

Without Floor, Curtains or Windows.

Nos.	A-5470W	A-5488W	A-5480W	A-5400W
Size, ft	7x7	8x8	10x8	10x10
Wt, each	35	37	40	45
Each	**+69 00**	**+72 00**	**+97 50**	**+108 00**
List, Each	*$26 40*	*27 34*	*38 50*	*42 50*

Packed loose.

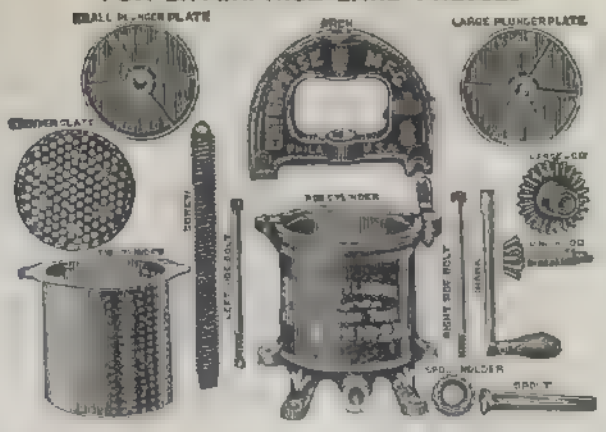
Carrying Bag for above Tents.

Each

No. A-70B—For Nos. A-5470B or A-5470W	**+6 45**	*$2 45*
No. A-88B—For Nos. A-5488B or A-5488W	**+6 90**	*2 60*
No. A-80B—For Nos. A-5480B or A-5480W	**+6 90**	*2 68*
No. A-00B—For Nos. A-5400B or A-5400W	**+7 50**	*2 84*

+F. O. B. Missouri Factory Only.

REPAIR PARTS
FOR ENTERPRISE LARD PRESSES



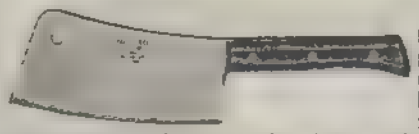
For Press, Nos.	5	10	15	20	25
Arch, Each	+5 04	+5 70	+5 70	+8 34	+8 34
	$2 40	*2 75*	*2 75*	*4 00*	*4 00*
Iron cylinder, Each	+6 78	+8 85	+6 78	+8 85	+8 85
	3 25	*4 25*	*3 25*	*4 25*	*4 25*
Rack or screw, Each	+2 28	+2 52	+5 76	+5 76	+5 76
	1 10	*1 20*	*2 75*	*2 75*	*2 75*
Large or small, Each	+1 92	+2 28	+1 92	+2 28	2 28
Plunger plate	*90*	*1 10*	*90*	*1 10*	*1 10*
Strainer plate, Each	+1 92	+2 28	+1 92	+2 28	2 28
	90	*1 10*	*90*	*1 10*	*1 10*
Tin cylinder, Each	+4 20	+4 20	+4 20	+4 20	5 22
	2 00	*2 00*	*2 00*	*2 00*	*2 50*
Cranks, Each	+1 50	+1 68	+1 50	+1 68	1 74
	70	*80*	*70*	*80*	*90*
Cogs, Each	+2 10	+2 28	+2 28	+3 60	4 50
	1 00	*1 10*	*1 10*	*1 70*	*2 15*
Spouts, ¾ in., Each	+1 92	+1 92	+1 92	+1 92	1 92
	90	*90*	*90*	*90*	*90*
Spout holders, Each	1 05	+1 26	+1 05	+1 26	1 05
	50	*60*	*50*	*60*	*50*
Side bolts, Each	+1 50	+1 68	+1 50	+1 68	+1 92
	70	*80*	*70*	*80*	*90*
Screw and washer for crank, Each	+24	+24	+24	+24	+24
	10	*10*	*10*	*10*	*10*
Latch, Each	+54	+60	+54	+60	+54
	25	*30*	*25*	*30*	*25*

For Press, Nos.	30	31	35	40
Arch, Each	+9 90	+9 42	+9 42	+11 40
	$4 75	*4 50*	*4 50*	*5 50*
Iron cylinder, Each	+11 40	+11 40	+13 05	+15 60
	5 50	*5 50*	*6 25*	*7 50*
Rack or screw, Each	+7 26	+7 26	+7 80	+7 80
	3 50	*3 50*	*3 75*	*3 75*
Large or small, Each	+3 15	+3 66	3 66	+4 74
Plunger Plate	*1 50*	*1 75*	*1 75*	*2 25*
Strainer plate, Each	+3 15	+3 66	3 66	+4 74
	1 50	*1 75*	*1 75*	*2 25*
Tin cylinder	+5 25	6 30	7 26	7 26
	2 50	*3 00*	*3 50*	*3 50*
Cranks, Each	+2 10	1 74	1 74	+2 10
	1 00	*90*	*90*	*1 00*
Cogs, Each	+5 64	4 50	4 50	+5 64
	2 70	*2 15*	*2 15*	*2 70*
Spouts, ¾ in., Each	+1 92	1 92	1 92	+1 92
	90	*90*	*90*	*90*
Spout holder, Each	+1 26	1 05	1 05	+1 26
	60	*50*	*50*	*60*
Side bolts, Each	+2 10	+1 92	+1 92	+2 10
	1 00	*90*	*90*	*1 00*
Screw and washer for crank, Each	+ 24	+ 24	+ 24	+ 24
	10	*10*	*10*	*10*
Latch, Each	+ 60	+ 54	+ 54	+ 60
	30	*25*	*25*	*30*

Packed loose.

+F. O. B. Pennsylvania Factory Only.

BUTCHERS' CLEAVERS



FOSTER'S

Solid steel blade full polished; carefully ground and sharpened, with tang entire length of handle, varnished applewood handle securely fastened with three steel rivets.

Nos.	80	90
Length cut, inches	8	9
Length handle, inches	7	7
Front width of blade, inches	3¾	4
Wt per doz, lbs	30	36
Per doz	$100 80	107 25

Wrapped in heavy paper.

Extra heavy crucible steel, full polished; carefully ground and sharpened, with tang entire length of handle, two piece, flat maple handle, nicely varnished, and fastened with two strong rivets; heavy steel ferrule.

Nos.	047	048	049	050
Length cut, ins	7	8	9	10
Length handle, ins	7	8	8	9
Front width of blade, ins	5½	6	6¼	6¾
Wt per doz, lbs	28	33	37	41
Per Doz	$96 00	105 00	117 00	127 50

Halfdoz in wood box.

LAMB CLEAVERS

Extra heavy crucible steel, full polished, carefully ground and sharpened with tang entire length of handle; two piece, flat, maple handle, nicely varnished, and fastened with two strong rivets; heavy steel ferrule.

Nos.	068	070
Length cut, ins	8	10
Length handle, ins	6	6
Front width of blade, ins	4¼	4½
Wt per doz, lbs	24	29
Per Doz	$82 50	99 00

Half doz in wood box.

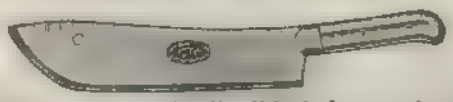
FAMILY CLEAVERS

Per Doz

No. 85—Solid steel blade, tempered, ground and sharpened, tang inclosed in hardwood handle nicely painted and securely fastened; steel ferrule. Length cut 6½ ins; length handle 6 ins; front width of blade 4 ins $30 30

One doz in cardboard box; wt per doz 10½ lbs.

LAMB SPLITTERS



Extra heavy crucible steel, full polished, sharpened and ground; tang entire length of handle; two piece, flat, maple handle, nicely varnished and fastened with two strong rivets; heavy steel ferrule.

Nos.	075	076
Length cut, ins	10	12
Length handle, ins	6	6
Front, width of blade, ins	2½	2¾
Wt per doz, lbs	20½	25
Per Doz	$84 00	94 50

One doz in wood box.

MINCING KNIVES

Stamped cast steel blade, tempered and polished, malleable iron shank and tangs, blade riveted to tangs, shank screwed in plain hardwood handle.

Per Doz

No. 3—Length of blade 6 ins; width 2 ins . $3 60

One doz in cardboard box; wt per doz 3 lbs.

Stamped cast steel blades, tempered and polished, malleable iron shank and tangs; blades riveted to tangs, shank screwed in polished enameled hardwood handle.

Per Doz

No. 4—Length of blades 5½ ins; width 1⅛ ins . $4 50

One doz in cardboard box; wt per doz 3¾ lbs.

MEAT HOOKS

Screw wrought iron, tinned.

No.	3$
Length, ins	2¼
Length screw, ins	1¾
Diam, ins	5/16
Wt per gro, lbs	14
Per Gro	$25 20

Six doz in cardboard box.

Bar wrought iron, tinned; for 2 in. bar.

Nos.	24	22
Length, ins	3½	4¼
Length heel, ins	1⅜	1⅞
Diam, ins	5/16	3/16
Wt per gro, lbs	87½	84
Per Gro	$37 80	57 00

One doz in cardboard box

BUTCHER BLOCK PINS

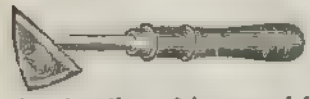
Forged from tool steel, heavily tinned, without head; ⅜ in. in diam, with ¼ in. hole in shank.

Per Doz

No. 14—Length 14 ins . $9 75

One doz in cardboard box; wt per doz 6 lbs.

BUTCHER BLOCK SCRAPERS



Triangular blade of extra warranted steel with polished finish bevels. Heavy steel ferrule. Shank extends halfway thru handle and is secured by rivet passing thru handle and shank. Blade is held in place by nut screwed on end of shank. Rosewood finish handle.

Per Doz

No. 6 Width of cutting edge 2¾ ins; length of handle 7¼ ins; length over all 12 ins . $32 25

Half doz in cardboard box; wt per doz 8 lbs.

HOG SCRAPERS

FARMERS'

20 gauge sheet iron; natural finish hardwood handle, bolted on.

Per Doz

No. 8—Diam of cup 4 ins; length of handle 5¼ ins . $2 40

Half doz in cardboard box; wt doz 5 lbs.

BUTCHERS'

18 gauge sheet iron; ebonized hardwood handle, bolted on.

Per Doz

No. 4½—Diam of cup 4½ ins; length of handle 5¼ ins . $9 75

Half doz in cardboard box; wt per doz 6 lbs.

CHEESE CUTTERS

Equipped with gauge which permits cheese to be accurately cut into any size slice desired; can be regulated to measure the cheese in weight or money value.

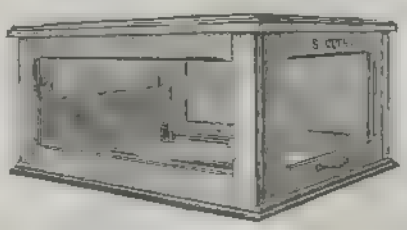
Each

No. 5CC—Malleable iron, black enameled frame, nickel trimmed; hardwood disc for holding cheese 15½ in. in diam; height over all 10¾ ins . $72 00

One in wood box; wt each 45 lbs.

CHEESE CUTTER CABINETS

SUCCESS



For any style cutter.

Solid oak frame, varnished natural finish; wood panel top; glass panel sides and front. The top has a patent hinge allowing the handle of cutter to raise within. Equipped with two brass stops that prevent opening to far.

Each

No. 13C—Length 26⅞ ins; width 21⅝ ins; depth 12 ins $41 25

Crated K. D ; wt each 48 lbs.

BREAD SLICERS

BUFFALO, Hand Power.

Cast iron, enameled frame, nickel plated steel pan, tray and working parts. Automatically cuts 175 to 200 slices per minute. Cuts any thickness automatically from ⅛ to ¼ inch and stacks at the same time.

Each

No. 1—Takes loaf 4½x4½x22 ins . ✦$285 00

One in box; ship wt each 180 lbs.

✦F. O. B. New York Factory Only.

SHOT GUNS

DOUBLE BARREL, HAMMERLESS
A. H. FOX

No. "CE" Grade, Breech Loading.

This is the grade that is making good everywhere. In every respect it is unusual, a high grade gun at a very moderate price. Its a beauty in looks and finish, no gun will stand up better in hard work.

Engraving—Is the work of an artist, scroll and picture work stands out clear and beautiful in design.

Barrels—Best quality Krupp fluid steel; cylinder, modified and full choke bored.

Stock—Choice selection of dark, curly English walnut, the grain is beautifully brought out in the finish, straight, half or full pistol grip; rubber butt plate; checkering is of a fine diamond pattern, on grip, panels and fore-end.

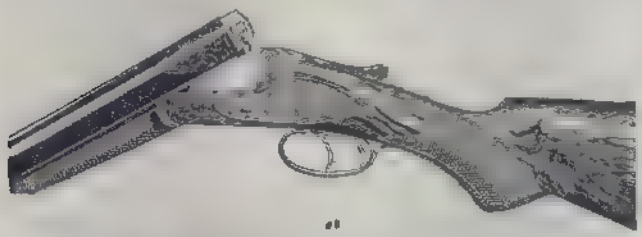
Weights—12 gauge, 6½ to 8 lbs.; 16 gauge, 5¾ to 7 lbs.; 20 gauge, 5¼ to 6¾ lbs.

When ordering, specify length of barrel, weight, style of grip and boring wanted.

With Automatic Ejector.

	Each
No. CEF12—12 gauge, 26, 28, 30 or 32 in. barrels	✚$303 00
No. CEF16—16 gauge, 26, 28, 30 or 32 in. barrels	✚ 303 00
No. CEF20—20 gauge, 26, 28, 30 or 32 in. barrels	✚ 303 00

One in cardboard box; ten in wood case.



No. "XE" Grade, Breech Loading.

This grade is the result of the increasing demand for a trap gun which shall be as nearly perfect for the purpose as it is possible to be made. Each gun receives an elaborate amount of hand work, which in spite of the number of cheap machine made guns built, is still the only way to produce a really accurate and high grade gun.

Engraving—A new design conforms to the artistic standard of the other high grade Fox guns. It has never been equalled before in a gun under $200.00.

Barrels—Krupp fluid steel; cylinder, modified or full choke bored.

Stock—Beautifully marked Circassian walnut, straight, half or full pistol grip, or in the Monte Carlo type; rubber butt plate; grip, panels and fore-end beautifully checkered.

Weight—12 gauge, 6¼ to 8 lbs.; 16 gauge 5¾ to 7 lbs.; 20 gauge, 5¼ to 6¾ lbs.

When ordering, specify length of barrel, weight, style of grip and boring wanted.

With Automatic Ejector.

	Each
No. XEF12—12 gauge, 26, 28, 30 or 32 in. barrels	✚$503 25
No. XEF16—16 gauge, 26, 28, 30 or 32 in. barrels	✚ 503 25
No. XEF20—20 gauge, 26, 28, 30 or 32 in. barrels	✚ 503 25

One in cardboard box; ten in wood case.

Note—From Factory can furnish higher priced Fox Guns. Write for catalog and prices.

✚F. O. B. Pennsylvania Factory Only.

SHOT GUNS

THE FOX-KAUTZKY SINGLE TRIGGER
FOR THE A. H. FOX GUNS

This single trigger is recommended and guaranteed by the A. H. Fox Gun Company. It is exceedingly simple and is operated by the locks of the gun. No matter how heavy the recoil, the trigger will not engage the locks of the second barrel until you release it. It cannot double and will never balk. When only one barrel is fired and gun reloaded, trigger returns to original barrel without attention from the shooter. The only trigger with automatic safety. This trigger fitted to any A. H. Fox hammerless gun, new or old, at an extra charge.

For Any A. H. Fox Hammerless Guns.	Each
Single trigger	✚$87 00

Note—To have single trigger fitted to guns already in use, the entire gun must be returned to factory, shipping charges prepaid.

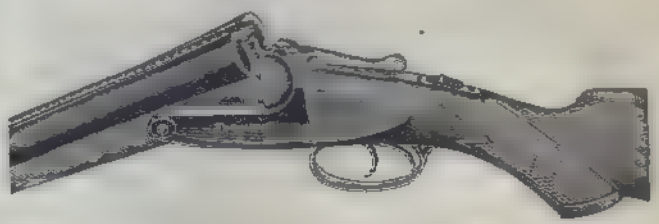
DOUBLE BARREL, HAMMERLESS
PARKER

The mechanical construction of all Parker hammerless shot guns is the same. A special feature is the coil main spring, which the manufacturers guarantee for twenty-five years against breakage. Parker guns are bored on the latest improved system for shooting nitro or smokeless powder. All guns are tested before they leave the factory.

Regular dimensions carried in stock; length of stock about 14 inches; drop measures about 3 inches.

By shipping from factory, we can supply Parker guns (except 12VH Grade), with stocks 13½ to 14½ inches long, with drop 2 to 3¼ inch without extra charge. Extra charge for dimensions varying from above. If 12VH grade with 14¼ inch stock or longer and special drop is wanted, same will involve additional charge. Six to eight weeks are required to make Parker guns to order.

Pistol grip guns sent unless otherwise specified. No extra charge for straight grip except on 12VH.



Trojan Grade, Breech Loading.

A most excellent well proportioned gun at a very low price

Barrels—Imported Trojan steel, matted top rib; cylinder modified or full choke bored.

Stock—American black walnut, of good color and finish; made only with full pistol grip; hard rubber butt plate, fore-end and grip neatly checkered.

Weights—12 gauge, 7½ to 8 lbs.; 16 gauge, 6½ to 7 lbs.; 20 gauge, 6¼ to 6¾ lbs.

Automatic ejectors will not be furnished on Trojan grade guns.

Without Automatic Ejector.

	Each
No. TP12—12 gauge, 28 or 30 in. barrels	$150 00
No. TP16—16 gauge, 26 or 28 in. barrels	150 00
No. TP20—20 gauge, 26 or 28 in. barrels	150 00

One in cardboard box; ten in wood case.

✚F. O. B. Pennsylvania Factory Only.

D 9

SHOT GUNS

DOUBLE BARREL, HAMMERLESS

PARKER

VH Grade, Breech Loading.

Barrels—Vulcan steel (black); cylinder, modified or full choke bored.

Stock—American walnut; checkered and engraved, with pistol grip; checkered rubber cap; hard rubber butt plate.

Weights—12 gauge, 7 to 9 lbs.; 16 gauge, 6 to 8 lbs.; 20 gauge, 5¾ to 7½ lbs.

Without Automatic Ejector.	Each
No. VH12—12 gauge, 28 or 30 in. barrels	✦$187 50
No. VH16—16 ga., 26, 28, 30 or 32 in. barrels	✦ 187 50
No. VH20—20 ga., 26, 28, 30 or 32 in. barrels	✦ 187 50

With Automatic Ejector.	Each
No. VHE12—12 ga., 28 or 30 in. barrels	✦$247 50
No. VHE16—16 ga., 26, 28, 30 or 32 in. barrels	✦ 247 50
No. VHE20—20 ga., 26, 28, 30 or 32 in. barrels	✦ 247 50

One in cardboard box; ten in wood case

PH Grade, Breech Loading.

Barrels—English twist; cylinder, modified or full choke bored.

Stock—Fine American walnut, with straight, half or pistol grip, checkered rubber cap and engraved, hard rubber butt plate.

Weights—12 gauge, 7 to 9 lbs.; 14 gauge, 6¾ to 8¼ lbs.; 16 gauge, 6 to 8 lbs.; 20 gauge, 5¾ to 7½ lbs.

When ordering, specify length of barrel, weight, style of grip and boring wanted.

Without Automatic Ejector.	Each
No. PH12—12 ga., 26, 28, 30 or 32 in. barrels	✦$228 00
No. PH16—16 ga., 26, 28, 30 or 32 in. barrels	✦ 228 00
No. PH20—20 ga., 26, 28, 30 or 32 in. barrels	✦ 228 00

With Automatic Ejector.	Each
No. PHE12—12 ga., 26, 28, 30 or 32 in. barrels	✦$288 00
No. PHE16—16 ga., 26, 28, 30 or 32 in. barrels	✦ 288 00
No. PHE20—20 ga., 26, 28, 30 or 32 in. barrels	✦ 288 00

One in cardboard box; ten in wood case.

✦F. O. B. Connecticut Factory Only.

SHOT GUNS

DOUBLE BARREL, HAMMERLESS

PARKER

GH Grade, Breech Loading.

Barrels—Fine three-blade Damascus steel; cylinder, modified or full choke bored.

Stock—Fine figured American or imported walnut; straight half or pistol grip, neatly checkered and engraved; hard rubber butt plate.

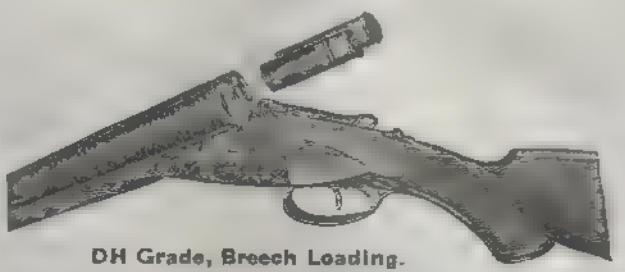
Weights—12 gauge, 7 to 9 lbs.; 14 gauge, 6¾ to 8¾ lbs.; 16 gauge, 6 to 8 lbs.; 20 gauge, 5¾ to 7½ lbs.

When ordering, specify length of barrel, weight, style of grip and boring wanted.

Without Automatic Ejector.	Each
No. GH12—12 ga., 26, 28, 30 or 32 in. barrels	✦$282 00
No. GH16—16 ga., 26, 28, 30 or 32 in. barrels	✦ 282 00
No. GH20—20 ga., 26, 28, 30 or 32 in. barrels	✦ 282 00

With Automatic Ejector.	Each
No. GHE12—12 ga., 26, 28, 30 or 32 in. barrels	✦$330 00
No. GHE16—16 ga., 26, 28, 30 or 32 in. barrels	✦ 330 00
No. GHE20—20 ga., 26, 28, 30 or 32 in. barrels	✦ 330 00

One in cardboard box; ten in wood case.



DH Grade, Breech Loading.

Barrels—Fine Damascus steel, finely figured, or Titanic steel (without figure); cylinder, modified or full choke bored.

Stock—Fine imported walnut, with straight, half or pistol grip; rubber cap, silver shield, fine checkering and engraving; skeleton butt plate.

Weights—10 gauge, 7¾ to 10 lbs.; 12 gauge, 7 to 9 lbs.; 16 gauge, 6 to 8 lbs.; 20 gauge, 5¾ to 7½ lbs.

When ordering, specify length of barrel, weight, style of grip and boring wanted.

Without Automatic Ejector.	Each
No. DH12—12 ga., 26, 28, 30 or 32 in. barrels	✦$381 00
No. DH16—16 ga., 26, 28, 30 or 32 in. barrels	✦ 381 00
No. DH20—20 ga., 26, 28, 30 or 32 in. barrels	✦ 381 00

With Automatic Ejector.	Each
No. DHE12—12 ga., 26, 28, 30 or 32 in. barrels	✦$448 50
No. DHE16—16 ga., 26, 28, 30 or 32 in. barrels	✦ 448 50
No. DHE20—20 ga., 26, 28, 30 or 32 in. barrels	✦ 448 50

Note—From factory can furnish higher price Parker guns. Write for catalog and prices.

One in cardboard box; ten in wood case.

✦F. O. B. Connecticut Factory Only.

THE CRAZY KITCHEN

Francisco Perezoff and Co.

FAMOUS EUROPEAN PANTOMIMISTS

A Classic In Tomfoolery

ECCENTRIC JUGGLING KNOCKABOUTS

Special Properties Carried Complete

ONE LONG, SATISFYING LAUGH

ACTS 2 and 3 ON OPPOSITE PAGE ☛

VALENTINO'S
THREE ACT COMBINATION

Act 1. FLYING VALENTINO'S COMEDY CASTING ACT
Replete With Laughs and Thrills

PHENOMENAL SOMERSAULTING AERIALISTS in the MOST SENSATIONAL and RISKY PERFORMANCE EVER PRESENTED to HUMAN EYES

For 12 Years Our Most Satisfying Combination

GUARANTEED
FRY
VISIBLE
FRY
Visible Pump
Profits!
This pump has many outstanding features—the most prominent of which, is the extra profits which it unfailingly returns to its owner.
May we give you more information?
DEPT. A.T.J.
Guarantee Liquid Measure Co.
Rochester, Pennsylvania
PHILIP GIES PUMP COMPANY, Limited
Canadian Manufacturers and Distributors
KITCHENER, ONTARIO
Made in five and ten gallon capacities
—both labeled by the Underwriters' Laboratories
"Always Accurate"
FRY

Character

¶ It has been said that the word "Uneeda" is worth, to its owners, one million dollars per letter.

¶ Character in merchandise is responsible for such a high valuation and fine standing.

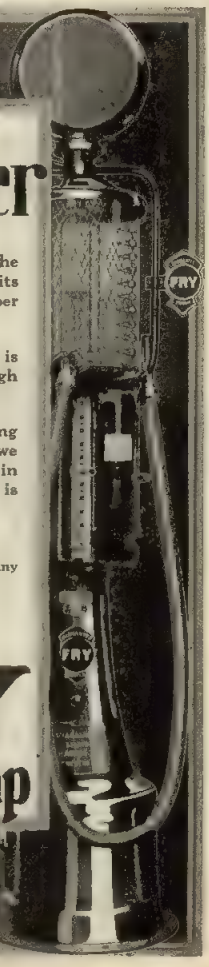
¶ The character and standing of the Fry Visible Pump is, we believe, just as outstanding in this industry as "Uneeda" is in the biscuit field.

Dept. A. T. J.

Guarantee Liquid Measure Company
Rochester, Pennsylvania

Made in five and ten gallon capacities—both labeled by the Underwriters' Laboratories.

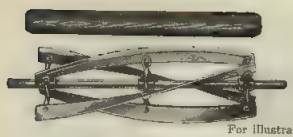
FRY
Visible Pump

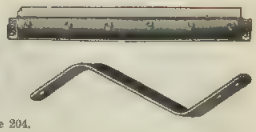


GUARANTEE FRY VISIBLE

"Always Accurate"

LAWN MOWER REPAIR PARTS
FOR GALCO MOWER





For illustration of other repair parts, see page 204.

Always give NUMBER or LETTER with description of parts wanted. **Be Sure and Give Diameter of Drive Wheel.**

Always give SIZE and NAME of machine.
If broken part is lost, give number of corresponding part and complete description.
The terms "Right" and "Left" are used with relation to the position of the operator when using mower.

	Weight	
Drive wheel, No. 34—9 letter cast in wheel is B	5¼ lbs., each	$1.60
Right hand side plate, No. 441	4½ lbs., each	2.00
Left hand side plate, No. 442	4½ lbs., each	2.00
Reel, 4 blades, complete, all sizes (state size of mower, number of blades and cutter bar number), express only	each	5.50
Cutter bar, complete, with steel blade (state size wanted, give number appearing on cutter bar) A 512	3½ lbs., each	2.00
Cutter bar, complete, with steel blade (state size wanted, give number appearing on cutter bar) A 514	3¾ lbs., each	2.00
Cutter bar, complete, with steel blade (state size wanted, give number appearing on cutter bar) A 516	4 lbs., each	2.00
Cutter bar, complete, with steel blade (state size wanted, give number appearing on cutter bar) A 518	4½ lbs., each	2 00
Cutter bar, complete, with steel blade (state size wanted, give number appearing on cutter bar) A 520	4½ lbs., each	2 00
Handle irons, both sides alike (state size of mower and cutter bar number)	3½ lbs., pair	.60
Shrub rod (state cutter bar number)	.5 lbs., each	1.00
Extra reel blade (state cutter bar number)	.3 lbs., each	1.00
Wood roller, all sizes (state size wanted and cutter bar number)	.2 lbs., each	.50
Wrench	.7 oz., each	.10
Wood handle, complete, express only	each	1.60

Prior to 1916 the following numbers were used..... 41 Right hand side plate; 42 Left hand side plate; Cutter bars. B 512, B 514, B 516, B 518, B 520

Prior to 1915 Pawl No. 0 was used

Prior to 1922 the following numbers were used: 411 Right side plate; 422 Left side plate

	Weight	
Pinion, right 55, left 66	4 oz., each	$0.25
Roller arms, No. 4, both sides alike	4 oz., each	.20
Cones, No. 2, both sides alike	2 oz., each	.50
Wheel washers, No. A, both sides alike	1 oz., each	.10
Pinion cap, No. 3, both sides alike	2 oz., each	.15
Hardened steel pawls, No. 916, both sides alike (state side plate number)	1 oz., each	.10
Ball bearing case, No. 1, both sides alike	1 oz., each	.40
Ball retainer, No. 27, both sides alike, with balls (Extra balls, 5c each)	2 oz., each	.50
Cutter bar adjusting screws	1 oz., each	.05
Cutter bar pivotal screws	1 oz., each	.05
Roller arm bolts, with nuts	1 oz., each	.05
Pinion cap machine screws, with nuts	1 oz., each	.05
Set screws for fastening side plate to axle rod	1 oz., each	.05
Handle iron bolts, with nuts	2 oz., each	.05
Handle grip joint bolt, with nut	2 oz., each	.10
Upper handle cap	2 oz., each	.10
Lower handle cap	4 oz., each	.20
Springs for ball bearing device	1 oz., each	.20
Metallic sleeve for ball bearing device	1 oz., each	.30

Prior to 1912 the following numbers applied ... No. 5 Right hand cone; No. 6 Left hand cone

Prior to 1911 the following cutter bars were used: 512, 514, 516, 518, 520

B 5 Right pinion; B 6 Left pinion — No. 15 pawl

FOR SIGNET MOWER

	Weight	
Drive wheel, No. 20	4½ lbs., each	$1.60
Right side plate, No. 103	4 lbs., each	1 60
Left side plate, No. 104	4 lbs., each	1.60
Reel, 4 blades, complete, all sizes (state size of mower, number of blades, and cutter bar number), express only	each	5 50
Cutter bar, complete, with steel blade (state size wanted, give number appearing on cutter bar) A 508	2½ lbs., each	2.00
Cutter bar, complete, with steel blade (state size wanted, give number appearing on cutter bar) A 510	3 lbs., each	2.00
Cutter bar, complete, with steel blade (state size wanted, give number appearing on cutter bar) A 512	3½ lbs., each	2.00
Cutter bar, complete, with steel blade (state size wanted, give number appearing on cutter bar) A 514	3½ lbs., each	2.00
Cutter bar, complete, with steel blade (state size wanted, give number appearing on cutter bar) A 516	4 lbs., each	2.00
Cutter bar, complete, with steel blade (state size wanted, give number appearing on cutter bar) A 518	4½ lbs., each	2.00
Cutter bar, complete, with steel blade (state size wanted, give number appearing on cutter bar) A 520	4½ lbs., each	2.00
Handle irons, both sides alike (state size of mower and cutter bar number)	3½ lbs., pair	.60
Shrub rod (state cutter bar number)	5 lbs., each	1.00
Extra reel blade (state cutter bar number)	3 lbs., each	1.00
Wood roller, all sizes (state size wanted and cutter bar number)	.2 lbs., each	.50

Prior to 1916 the following numbers were used..... 11 Right hand side plate; 12 Left hand side plate; Cutter Bars B 508, B 510, B 512, B 514, B 516, B 518

Prior to 1915 Pawl No. 0 was used

Prior to 1922 the following numbers were used: 111 Right side plate; 122 Left side plate

	Weight	
Wood handle, complete, express only	each	1 60
Wrench	.7 oz., each	.10
Pinion, right 55, left 66	4 oz., each	.25
Roller arms, No. 4, both sides alike	4 oz., each	.20
Wheel washers, No. L. W., both sides alike	1 oz., each	.10
Hardened steel pawls, No. 916 (both sides alike (state side plate number)	1 oz., each	.10
Cutter bar adjusting screws	1 oz., each	.05
Cutter bar pivotal screws	1 oz., each	.05
Machine screws, with lock nuts for reel bearing adjustment	1 oz., each	.05
Roller arm bolts, with nuts	1 oz., each	.05
Handle iron bolts, with nuts	2 oz., each	.05
Handle grip joint bolt, with nut	2 oz., each	.10
Wheel bolts	1 oz., each	.05
Shrub rod nuts	1 oz., each	.05
Bronze bearings	1 oz., each	.10
Upper handle cap	2 oz., each	.10
Lower handle cap	4 oz., each	.20

Prior to 1911 the following cutter bars were used: 508, 510, 512, 514, 516, 518

B 5 Right pinion; B 6 Left pinion — No. 15 pawl

STEEL EXPRESS WAGONS

Finished red outside, green inside, black enameled gears and wheels. Nos. 1 and 3 have 2 wood bottom cleats and are beaded top and bottom, stenciled in gold.

Nos.	06	04	02	1	3
Body, in	6x12	8x18	10x22	12x26	14x30
Wheels, in.	5	6	8	10	11
Weight dozen, lbs.	40	60	84	132	186
Dozen in carton	½	⅓	1/6	1/6	1/6
Per dozen	$17.00	25.00	32.00	46.00	56 00

STEEL TOY EXPRESS WAGONS

Steel bodies, enameled green, decorated in bronze, all steel gear, natural wood handles, double disc wheels, enameled red.

Steel Tired Wheels

Nos.	9S	8S	7S
Body, in.	6x12	7½x15	9x18
Rear wheels, in.	4½	6	8
Front wheels, in.	4½	4½	6
Weight dozen, lbs.	30	50	68
Per dozen	$19.50	25.00	26.00

Per Dozen

No. 9X—Same as No. 9S, but with twisted wire handle. $17.50

Rubber Tired Wheels

Nos.	9R	8R	7R
Body, in.	6x12	7½x15	9x18
Rear wheels, in.	4½	6	6
Front wheels, in.	4½	4½	6
Weight dozen, lbs.	37	58	76
Per dozen	$26.50	32.00	37.00

Nos. 9S and 9R, One Dozen, Nos. 8S, 7S, 8R and 7R, One-half Dozen in a Carton.

COASTER WAGONS

BLUE STREAK, JR.

Disc Wheels, Rubber Tires

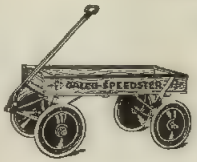
Selected hardwood body, front and rear boards mortised into sides, selected hardwood bolsters, double disc wheels, rubber tired, finished in bright Indian red, natural finish body.

Nos.	27	28	29	30
Body, in.	8x16	10x20	11x24	12x28
Wheels, in.	4⅝	4¾	5⅝	7
Rubber tire, in.	½	⅝	⅝	⅝
Weight dozen, lbs.	90	120	150	240
Per dozen	$3 60	4.40	5.40	7.00

One-sixth Dozen in a Carton.

COASTER WAGONS

GALCO SPEEDSTER



All Steel Gear

Body—Made of selected, well seasoned wood, glued and reinforced with four heavy cleats, top rails.

Gear—Front gear one piece fifth wheel construction with tongue and gear braces, rear gear made of extra heavy channel steel, reinforced with two steel braces.

Wheels—Steel, double disc, self-retained roller bearings, enameled bright red, nickel plated hub caps, rubber tired.

Finish—Natural varnish finish, artistically decorated and lettered by machine.

Rubber Tired Wheels

Each

No. 137—16x36 in. body, 2½ in. wheels, ⅜ in. tires, weight each 35 lbs. $10.00

One in a Carton.

BLUE STREAK

All Steel Gear

Body—Box, bottom and top made of selected ash hardwood, beautifully grained, bed reinforced with four hardwood cleats, front and rear boards mortised into sides.

Gear—Front gear heavy steel fifth wheel construction with tongue and gear braces, rear gear made of extra heavy channel steel, reinforced with two steel braces.

Wheels—Steel, double disc, self-retained roller bearings, enameled bright red, striped in yellow, nickel plated hub caps, heavy corrugated rubber tires.

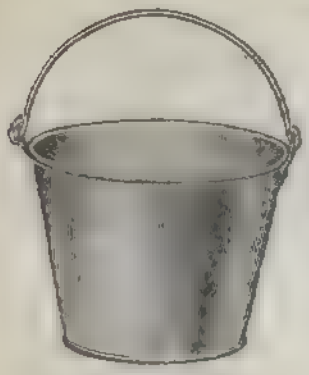
Finish—Natural varnish finish, artistically lettered and decorat- decorated by machine, top rails and edge of bottom finished in red.

Improved steel roller brake furnished regularly with all numbers.

Nos.	35	36	37
Body, in.	14x32	14x32	16x36
Wheels, in.	8	10	10
Rubber tires, in.	⅝	¾	¾
Weight each, lbs.	30	35	38
Each	$9.50	10.00	11.00

One in a Carton

GALVANIZED WARE



STOCK PAILS

Standard grade; top rim rolled over wire; strong ears; heavy wire bail.

	Per Doz
No. 14—Capacity 14 qts; wt per doz 28 lbs	$12 60

One doz in bdle, wired.

FIRE PAILS

Standard grade; seamed body; top rim rolled over wire; strong ears; heavy wire bail; round bottom. Stenciled "Fire" in red letters.

Nos.	212	214
Capacity, qts	12	14
Height, ins	10¾	11¼
Diam, ins	9½	10½
Wt doz, lbs	26	29
Per Doz	$10 80	12 00

Half doz in bdle, wired.

Painted Red, Stenciled "Fire" in Black Letters.

No	312
Capacity, qts	12
Height, ins	10¾
Diam, ins	9½
Wt doz, lbs	26
Per doz	$12 00

Half doz in bdle, wired.

CONICAL FIRE PAILS

Galvanized; rolled rim; heavy wire bail, ears securely riveted.

	Per Doz
No. 014—Trade capacity 14 qts	$15 75

One doz in bdle; nested; wt per doz 26 lbs.

BORED WELL BUCKETS
STAR—Crimped Top.

For bored wells; Acme valves; half oval bails; riveted.

Nos.	3P	3½P	4P
Size, ins	3x60	3½x48	4x36
Wt doz, lbs	41	40	40
Per Doz	$23 55	23 55	23 55
Nos.	4½P	5P	6P
Size, ins	4½x30	5x28	6x24
Wt doz, lbs	36	40	40
Per Doz	$23 55	23 55	23 55

Shipped in bdles.

GALVANIZED WARE

STAR—Cone Top.

For bored wells; Acme valves; half oval iron bails; riveted.

Nos.	3½C	4C
Size, ins	3½x48	4x36
Wt doz, lbs	40	40
Per Doz	$25 20	25 20
Nos.	4½C	5C
Size, ins	4½x30	5x28
Wt doz, lbs	36	40
Per Doz	$25 20	25 20

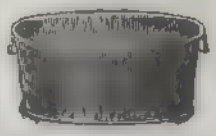
Shipped in bdles.

REFRIGERATOR PANS

Seamed; straight sides; wired top; riveted side handles.

Nos.	2	3
Capacity, qts	11	18
Size, ins	14x4	16x5
Wt doz, lbs	27	32
Per Doz	$13 20	16 50

Packed loose.



FOOT TUBS

Seamed body; wired top; riveted handles.

Nos.	15	16	18
Capacity, qts	12	15	21
Length, ins	16	17	18
Width, ins	12¼	13	14
Wt doz, lbs	26	28	32
Per Doz	$14 25	17 25	19 95

Half doz in bdle, wired.

CHAMBER PAILS

Seamed body, footed; steel wire bail with wood grip; stamped cover.

Nos.	210	212
Capacity, qts	10	12
Size, ins	10x10½	11x10¾
Wt doz, lbs	24	27
Per Doz	$18 75	20 55

Half doz in crate.

SAP SPOUTS
ANCHOR

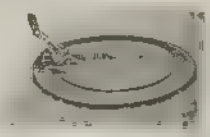
Two thicknesses of steel, well tinned and soldered; spur at point catches in wood and anchors spout; projection at top for hanging bucket.

	Per 100	Per 1000
No. A—Length over all 2⅜ ins; diam at point 7/16 in; wt per 100 about 5 lbs	$6 00	$57 00

100 in cardboard box.

GALVANIZED WARE

UNDERGROUND GARBAGE CANS
MAJESTIC



Buried under ground with only the top exposed, garbage deposited as shown by simply stepping upon a lever arrangement which raises the lid. To empty the contents the garbage man has only to remove top and lift out the can; top chained to the shell to prevent being carried away.

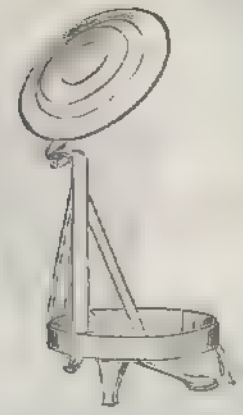
Comes in three sections, a rust proof receptacle for the can, the galvanized can and a cast iron top and lid. Easily installed by digging a hole the size of the receiver and placing in the ground.

Nos.	8	12	15	20
Diam, shell, ins	16	16	16	19
Depth, shell, ins	18	22	26	2×
Capacity can, gals	9	11	15	20
Wt each, lbs	45	50	55	90
Each	$21 00	22 80	24 00	30 90

Packed loose.

WASTE RECEPTACLES

QUALITY CANS



Especially designed for use in hospitals, offices etc.

Galvanized sheet steel, white enameled; conclave shape handle securely fastened to can.

To deposit waste simply step upon a lever arrangement which raises the lid; to empty contents it is only necessary to raise top and lift out can; top securely fastened to frame.

Per Doz

No. HCL—Capacity 4 gals; height of can from floor, 3 ins; height over all 16½ ins; depth 12¼ ins; diam, 10 ins **$120 00**

One in carton; wt each 9 lbs.

GALVANIZED WARE

—CYCLONE—

WELL BUCKETS

Designed to supply the demand for a competitive grade. Made up in light black sheets galvanized after making. Substantial ears riveted low to make bucket self-tilting. Steel bail galvanized with loop. Attractively labeled.

Nos.	C-8	C-10	C-12
Qts	8	10	12
Height, ins	8½	9½	9¾
Diam, ins	7½	7½	7½
Wt doz, lbs	23	26	29
Per Doz	$11 10	12 60	13 95

Half doz in bdle, wired.

WASH TUBS

Standard grade; beaded and seamed body; corrugated bottom; top rim rolled over wire; patent clip ears and drop handles.

Note—The weights are materially heavier than most tubs of standard grades.

Nos.	A	B	0	1	2	3
Diam top, ins	14⅛	15½	18½	20	22½	24
Depth, ins	8⅛	8⅝	9¾	10	10¼	10½
Wt doz, lbs	34	40	50	70	80	100
Per Doz	Prices on application.					

Half doz in bdle, wired.

WATER PAILS

Standard grade; seamed body; top rim rolled over wire; strong ears; heavy wire bail.

Nos.	82	102	122	142	162
Capacity, qts	8	10	12	14	16
Height, ins	9⅛	10	10	10⅛	11
Diam, ins	8¼	8¾	9⅛	10½	12
Wt doz, lbs	19	23	25	28	31
Per Doz	Prices on application.				

One doz in bdle, wired.

Gardner Turmo Portable Air Compressor

These portable outfits consists of the well known **Turmo** four-cylinder engine and the Gardner Duplex Vertical XH type compressor, mounted on a heavy steel frame as shown, with hood covering both engine and compressor.

Steel sides are furnished which incloses the entire outfit except the air tank. Standard wheels furnished are steel. Rubber tired wheels with roller bearings can be furnished and can be mounted without any change in the axles.

The engine and compressor are cooled by the same radiator, which is of ample size to take care of both units. The water is circulated by pump.

Each outfit is furnished with automatic unloader and a pressure safety valve set at 100 lbs. pressure.

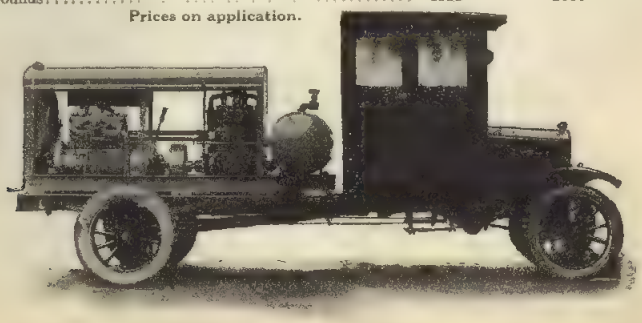
The air tank is mounted on the rear as shown, and is furnished with drain valve on bottom side and 2 service valves on the top. Has a hand hole large enough for inspection purposes and will meet the requirements of any state.

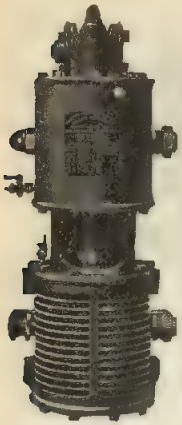
All unnecessary weight has been eliminated, making a well balanced and easily handled outfit.

Specifications

Piston Displacement—Cu Ft. free air per minute	96	118	160
Bore x Stroke of Compressor	6″ x 4½″	6″ x 4½″	7″ x 6″
Air Pressure—Pounds per square inch	100	100	100
Turmo 4 Cylinder Gasoline Power Plant Bore x Stroke of Cylinder	3″ x 5″	3½″ x 5″	3¾″ x 5″
Speed R. P. M. of Air Compressor	650	800	600
Air Tank—Cubic Feet	5	5	9
Diameter of Steel Wheel—Front	22	22	24
Diameter of Steel Wheel—Rear	26	26	28
Length over all—Inches	8′-4″	8′-4″	9 Ft.
Width at Axles—Inches	54″	54″	58″
Height from Floor—Inches	4′-6½″	4′-6½″	5 Ft.
Weight in pounds	1900	2000	2200

Prices on application.





Westinghouse, Vertical, Steam Driven, Locomotive Type Air Compressors

For General Industrial Purposes

The constantly increasing demand for these compressors in all classes of industrial work is, in a large measure, due to their simplicity, neatness and compactness. They are attachable to wall, column, or can be mounted on floor, requiring no foundation. The fact that they are the recognized standard air compressors for railroads is, we believe, a sufficient guarantee of their reliability.

In point of design, it will be readily seen that the compressor is arranged vertically and consists of a steam and air cylinder joined together by a centerpiece. The main stream piston and air piston are both fastened to the same rod and move together as one piece. The supply and exhaust of steam to and from the steam cylinder is controlled by a distribution slide valve in conjunction with a main valve by which it is operated. The movements of the main valve are governed by a reversing valve which is actuated by the main piston. The valve motion is compact, being entirely within the top head, and all its parts are so arranged as to readily permit of their examination or replacement.

Automatic Governors keep the air pressure in receiver at any predetermined point by automatically shutting off the steam supply when the desired pressure is attained in tank.

When in operation over 50 per cent of the time or where required for continuous service at pressures exceeding 100 pounds water jacketed machines are to be used. We can also furnish other sizes to meet special conditions.

Standard Sizes and Capacities

No.	Diam Steam Cyl Inches	Diam Air Cyl. Inches	Lgth. of Stroke Inches	Single Strokes per Minute	Capacity, Cubic Feet Free Air per Minute Compressed to 100 Pounds	Steam Pipe, Inches	Exhaust Pipe, Inches	Air Discharge Inches	H.P. of Boiler Required	Wgt., Lbs.	Price Air Cooled	Price Water Cooled
8	8	8	10	120	20	1	1¼	1¼	10	560	$291.60	$405.00
9½	9½	9½	10	120	28	1	1¼	1¼	15	630	324.00	437.40
11	11	11	12	100	45	1	1½	1¼	20-25	960	486.00	604.80

Automatic Compressor Governors, 1-inch Single **$42.00**; 1¼-in. **$54.00**

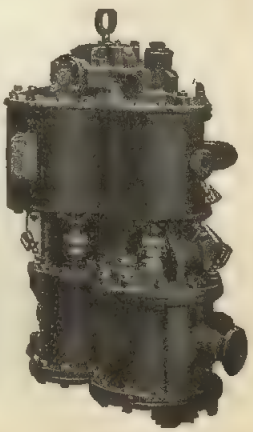
Westinghouse 10½ inch, Cross Compound, Vertical Steam Driven Air Compressor

Capacity 150 cubic feet of free air per minute at normal speed of 131 single strokes per minute, with 100 pounds steam pressure against 80 pounds air pressure.

This Compressor is a serial arrangement of two standard single stage machines, actuated by the same controlling mechanism and with pistons moving uniformly in opposite directions.

Only a few moving parts are employed, comprising, first, the high pressure steam, low pressure air pistons, connected by a vanadium steel piston rod drilled for the reversing valve rod which operates the reversing valve, and which in turn moves the main piston valve, controlling the admission of steam to and the exhaust from both the high and low pressure steam cylinders, and, second, the low pressure steam and high pressure air pistons connected by a piston rod having no mechanical connection with the valve gear.

The air cylinders are not water jacketed and no intercooler is required.



Dimensions

Diameter of High Pressure Steam Cylinder	10½ in.
Diameter of Low Pressure Steam Cylinder	16¾ in.
Diameter of High Pressure Air Cylinder	9½ in.
Diameter of Low Pressure Air Cylinder	14½ in.
Length of Stroke	12 in.
Governor	1½ in.
Diameter of Steam Admission Pipe	1½ in.
Diameter of Steam Exhaust Pipe	2½ in.
Diameter of Air Admission Pipe	2½ in.
Diameter of Air Delivery Pipe	1½ in.

Overall dimensions, approximate 52x42x21 inches in depth.
Net 1,800 pounds. Boxed for shipment 2,150 pounds.
Price ..... **$1,074.60** 1½ Auto Governor **$82.00**

Air Receivers, Lubricators, Valve, Piping and Hose are listed in other sections of Catalog.

"Gardner" Air Cooled Air Compressors

Enclosed—Self-Oiling

High grade machine —accurately made and good for any pressure up to 200 lbs. for intermittent service, or 125 lbs. continuous service.

The air cooled compressor has been found thoroly satisfactory for garage work, operating small air tools, vulcanizing work, blowing dust, and other work within its capacity. Crank case is enclosed for automatic splash lubrication. The trunk style of piston is used with split metallic packing rings. The mushroom suction and ball discharge valves assure maximum efficiency and the machine is practically noiseless in operation. Crank shaft is drop forging working in renewable die cast bearings. Connecting rods are also drop forgings.

Diam. Cyl. and Stroke	Cap. Cu. Ft. per Min.	Speed R. P. M.		H. P. For 100 lbs. Press.	Size Pulley In.	Weights		Pressure		Price With	
		Max	Min			Tight Pulley lbs.	T & L Pulley lbs.	Max	Min	Tight Pulley	T & L Pulley
2 x1¼	1 8	600	500	½	7x1½	38	45	200	125	**$30.00**	**$34.00**
2 x2½	2½	600	400	½	8x2	50	60	200	150	**42.50**	**46.50**
2½x3	5	600	400	1	10x2½	80	90	200	150	**53.00**	**57.00**
3x3	7 3	600	400	2	12x3	117	135	300	150	**51.00**	**55.50**
3 x3½	8½	600	400	2	14x3	150	170	200	150	**66.00**	**69.50**
4½x3½	19 3	600	400	3½	14x3	220	270	75	75	**109.00**	**118.00**
4½x4½	21	500	300	5	20x4½	410	450	150	100	**147.00**	**157.00**

2 x ¼ and 3 x 3 compressors are of one bearing type construction.

Gardner Motor Driven Air Cooled Compressors

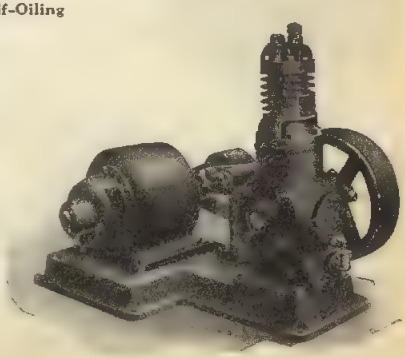
Enclosed—Self-Oiling

For the kind of reliability that is alone worth the initial cost of the outfit these motor-driven air compressor outfits are unequalled. Under the most trying, constant, hard usage they more than fulfill expectations of the highest order.

They are equipped with motors of recognized make.

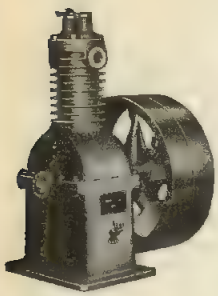
Compressor and motor are mounted on a sturdy cast-iron sub-base that guarantees perfect alignment of compressor and motor.

Prices on application



Curtis Air Compressors

Air Free From Oil



1—Controlled-splash self-oiling system, no excess in cylinder, no external leakage nor waste, no oil gets to tires. Closed crank case, keeps out dust.

2—One-half pint of oil ample for 100 hours.

3—High and low level oil filling gauge.

4—Fan fly-wheel assists in cooling.

5—Valves of light weight, large area.

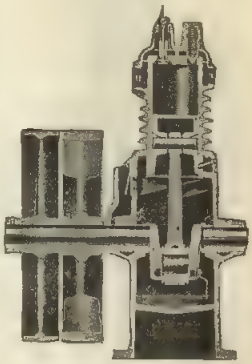
6—Safety cage under valves.

7—Hand unloader permits starting against pressure.

8—Adjustable renewable die cast bearings.

9—Dropped forged steel crank shaft.

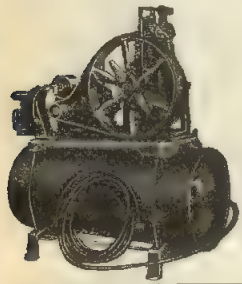
10—Head removable without breaking pipe connections or bending pipe. Only one gasket.



Size	1	2	3	4	5
Bore and stroke	1⅝x2	2¼x2½	2½x3	3x3½	4½x4½
Standard speed	450	350	300	250	200
Cu. Ft. capacity	1.2	1.8	2.55	3.58	8.28
H. P. at 100 lbs.	.24	.36	.60	.87	2.09
H. P. at 200 lbs.	.31	.47	.78	1.14	2.75
Maximum speed	700	600	550	500	400
Cu. Ft. capacity	1.68	2.70	4.7	7.20	16.5
H. P. at 100 lbs.	.34	.54	.95	1.45	3.34
Size pulley	9x1¾	11x2½	12x2½	14x2¾	23x4½
Shipping weight	40	60	100	120	385
With tight pulley only	$46.40	$60.50	$76.30	$80.60	$173.80
With T. & L. pulley	52.20	66.20	82.10	86.40	201.60
Automatic unloader	64.00	64.00	73.00	80.00	120.00

Style "V" Two Stage Stationary Curtis Compressor Outfit

Belted Only



Controlled-splash oiled, air cooled with belt fan flywheel, self adjusting self oiling belt tightener and endless leather drive belt.

200 lb. steel tank, gauge, pop safety valve and drain cock.

Piping between compressor and tank of seamless copper tubing with dash pot check valve. 20 feet special oil-proof air hose with outlet cock and tire chuck.

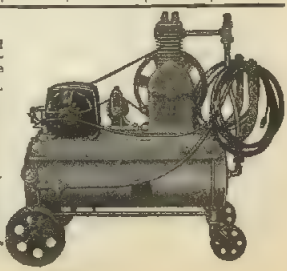
Compressor and motor mounted on cast iron base and the whole outfit carried on malleable iron bunks. Holes provided for bolting to floor.

Maximum pressure with standard motors, 175 lbs.

Style and No.	Cu. Ft. Displacement	Motor H. P.	Size Tank, Inches	D. C. 110-220 Volts	A. C. Sg. Ph. 60 Cycle 110-220 Volts	A. C. 2 or 3 Phase 60 Cycle 110-220 Volts	Approx. Shipping Weight	Extra for Automatic Starting and Stopping Device
*V-20	2.6	¾	16x36	$441.80	$456.00	$427.50	540	$ 57.00
V-20a	2.6	¾	20x48	477.40	490.30	461.70	600	57.00
V-40	3.4	1	16x36	456.00	468.80	441.50	565	71.30
V-40a	3.4	1	20x48	513.00	527.30	484.50	625	71.30
V-60	5.0	1½	20x48	567.20	582.70	545.80	675	106.90
V-80	6.6	2	20x48	638.40	588.30	668.80	700	106.90

Style "X" Single Stage Belted or Geared

These outfits combine the advantages of storage and portability — Sizes X-1-A and X-2-A are the most popular. Either can be plugged in on a lamp socket, which is usually not permitted on the larger sizes and will be furnished for 32 Volt D. C. at same price as 110 or 220 D.C.



Style and No.	Size Compressor	Motor H. P.	Size Tank, Inches	Complete, with Motor				Extra for Automatic Starting and Stopping Device
				D. C. 110-220 Volts *	A. C. 60 Cycle Sg. Ph. 110-220 Volts	A. C. 60 Cycle 2 or 3 Phase 110-220 Volts	Approx. Shipping Weight	
X-1a	1½x2	¼	12x36	$286.30	$315.90	$315.90	320	$ 60.00
X-2a	2⅛x2½	½	16x36	348.30	375.30	375.30	390	60.00
X-3a	2½x3	¾	16x36	382.30	456.30	440.70	440	67.50
X-4	3 x3½	1	16x36	459.00	504.90	450.80	500	75.00
X-5	4½x4½	3	18x48	861.00	823.90	716.30	900	112.50

*The tanks listed are not suitable for use in California, Chicago, Detroit or Canada. Tanks for use at those points quoted on application.

SCALES

DORMANT WAREHOUSE

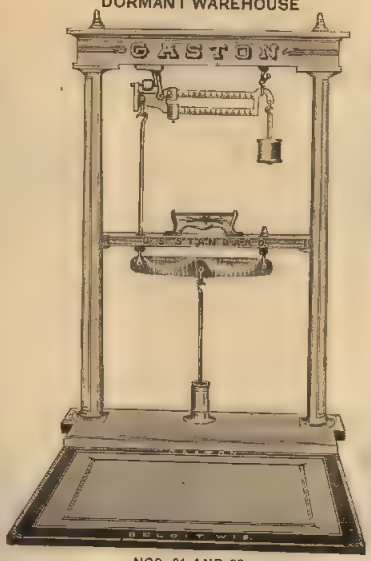
Gaston Scales have some patented features which causes them to be known as leaders in scale manufacturing.

No. 1—Ball bearing construction, which positively eliminates any platform binding, also preserves life of pivot bearings by absorbing shock of load, and eliminating scraping across the knife edges.

No. 2—Self-aligning bearings assure a line contact between pivots and bearings. The load is thus distributed over the entire length of the pivot, reducing wear to a minimum.

No. 3—All pivots lie in parallel planes. The load is not transmitted through an angle.

No. 4—Corner loops are easily removed yet applied to the scale in such a manner as to make accidental disengagement impossible. The above reasons are vital because the accuracy and sensitiveness of a scale depend wholly upon the condition of its pivot bearings.



NOS. 91 AND 92

No. 5—The sturdy construction of this scale eliminates distortion and probability of breakage.

No. 6—Heavy solid brass arrow tip beam is given best possible action by suspension from accurately processed hardened loops.

No. 7—Special construction permits that scale may be out of lever and still weigh correctly.

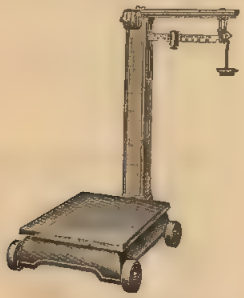
No. 8—Scale is supported by continuous axles

No. 9—The superiority of these scales is accomplished by its unique design accompanied by absolute accuracy of all its parts.

With two iron pillars and graduated counter poise platform set level with floor, making an ideal scale where considerable weighing is done in one spot.

No.	Capacity	Size platform	Wt. each	Each
91	2500 lbs.	36x37 in.	775 lbs.	**$224.00**
92	3500 lbs.	42x44 in.	800 lbs.	**260.00**

PORTABLE SINGLE BEAM



NOS. 601 AND 1001

A general purpose scale that will weigh accurately from no load to full capacity. Beam graduated in quarter pounds on 600-lb. size and in half pounds on 1000-lb. size.

No.	Capacity	Size platform	Wt each	Each
601	600 lbs.	17x23 in.	150 lbs.	**$42.50**
1001	1000 lbs.	18x26 in.	180 lbs.	**51.00**

One in a case.

PORTABLE DOUBLE BEAM

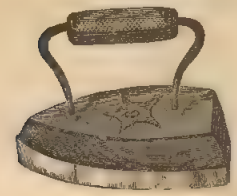
NOS. 602 AND 1002

Scale especially adapted to take care of tare weight. Will weigh accurately from no load to full capacity. Beam graduated in quarter pounds on 600-lb. size and in half pounds on 1000-lb. size.

No	Capacity	Size platform	Wt. each	Each
602	600 lbs.	17x23 in.	175 lbs.	**$62.00**
1002	1000 lbs.	18x26 in.	185 lbs.	**75.00**

SAD IRONS

COMMON

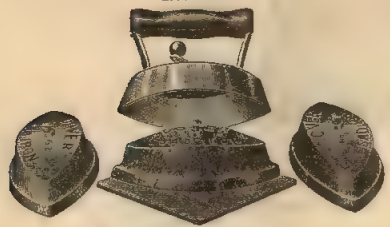


Sharp or round point.

		Per 100 lbs.
Common	4 to 6 lbs.	$21.00
	7 to 10 lbs.	20.50

Weights 4, 5, 6, 7, 8, 9 and 10 lbs.
Approximately 700 lbs. in a barrel.
Loose.

DOVER
LAUNDRY



No. 60

Same general description as No. 70 set, except is not asbestos lined.

No.	Wt. per set	Per set
60	15 lbs.	$3.20

Three sets in a carton.

CHARCOAL

No. 4

Best cast iron, polished. Removable. Cast iron top piece and chimney combined. Adjustable draft-hole cover. Hardwood handle, with tin heat shield.

No.	Wt. each	Each
4	7 lbs.	$3.35

Six in a box.

MRS. POTTS

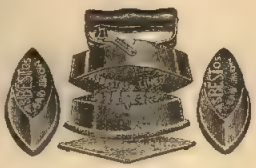
NOS. 50 AND 550

Set consists of three irons, handle and stand. Made in two weights. Nickel plated, tops finished in aluminum.

No.	Wt. per set	Per set
50	16 lbs.	$3.20
550	12 lbs	2.80

Six sets in a case

ASBESTOS
LAUNDRY



No. 70

Solid cast cores, asbestos lined. Nickel plated hood. Black enameled handle. Patent lock. Stamped steel stand, asbestos covered.

No.	Wt per set	Per set
70	17 lbs.	$4.10

One set in a wooden box; six sets in a case.

	Each
Extra Hoods	$1.60

SAD IRON HANDLES

For Mrs. Potts' Irons

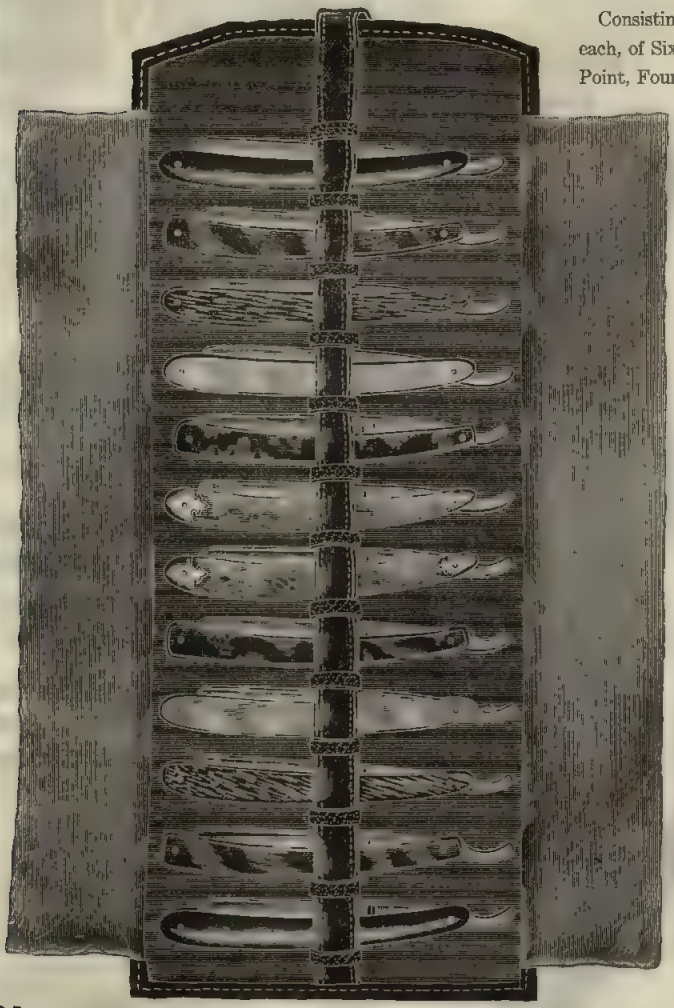
No. 20

Hazelwood handle, cast iron stretcher.

No.	Wt. per 100	Per 100
20	58 lbs.	$24.00

Twelve in a carton.

"GENCO" RAZOR ASSORTMENT



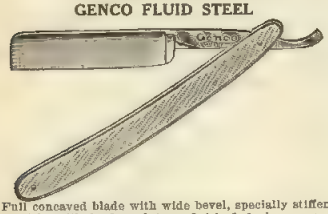
Consisting of Two Genco Razors each, of Six Patterns, Eight Square Point, Four Round Point.

	Retail Value Each
617—Henry X, Black Handle, 5/8 Rd. Pt.	$2.00
600 Henry XXX, Smoked Pearl Handle, 5/8 Sq. Pt.	$3.00
604—Vanadium Tortoise Shell, 5/8 Square Point	$3.00
615—Vanadium Tortoise Shell, 5/8 Round Point	$3.00
621—Head Barber, Imitation Oak, 5/8 Sq. Point	$3.00
612—DeRoma, White Handle, 5/8 Sq. Point	$3.50
Total Retail Value	$35.00

One Dozen in a Leather Back, Flannel Lined Roll.

No. 1000 One dozen razors in a roll . . . . Per Roll **$10.00**

RAZORS
GENCO FLUID STEEL

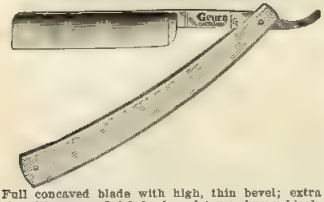


Full concaved blade with wide bevel, specially stiffened; fine polish, with back and tang finished dark gun metal; celluloid handle with flat sides.
Fluid Steel—⅝ in., honed point .. ....Per dozen $60 00

GENCO BULL DOG

Half concaved ground blade, round back, extra fine finish, specially attractive handle, with flat sides.
Bulldog—⅝ in., round point .....Per dozen $50.00

GENCO MASTER BARBER

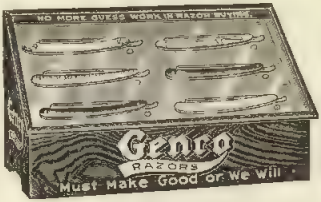


Full concaved blade with high, thin bevel; extra fine polish, with crocus finish back and tang; heavy black rubber handle with flat sides
Master Barber ⅛ in., round or square point.....
.....Per dozen $50.00

GENCO HENRY'S X

Concaved blade, finely polished, oval black handles.
Henry's X—⅝ in., round point .. .. Per dozen $32 00
One in a case, six in a box, weight each 3 oz.

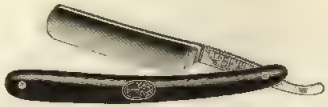
RAZORS
GENCO ASSORTMENT



This assortment consists of twelve genuine Genco razors in seven different patterns and grades ranging from the highest to the medium and are the most popular sellers of the Genco line.
"A Genco must make good or we will" is the manufacturer's guarantee with each razor.

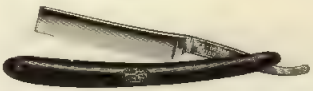
No. 1—Assortment (12 razors) .....Per asst. **$36.00**
Each assortment is furnished packed in a glass top Circassian walnut case with purple plush lining

RED INJUN RAZORS



Hollow ground blue glaze finish blade, black hard rubber handle.
Particularly adapted to expert professional work.
Red Injun—⅝ in., round point.....Per dozen **$99.00**

One in a case, six in a box, weight each 3 oz.



Hollow ground blue glaze finish blades, black hard rubber handle.
Red Injun—½ in. square point .....Per dozen **$99.00**

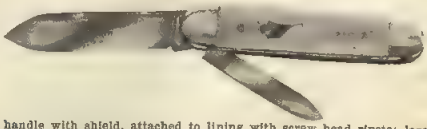
One in a case, six in a box, weight each 3 oz.

Special hollow ground blade with front side crocus polished and etched, black hard rubber handle.
No. 1101—⅝ in. blade, round point...Per dozen **$54.00**

One in a case, six in a box, weight each 3 oz.

POCKET KNIVES

CRANBERRY



Fine flat white bone handle with shield, attached to lining with screw head rivets; large spear point blade, etched; small pen blade, glazed; brass lining; nickel silver bolster and cap.
No. 267—White bone handle, length 4 5/8 inches, weight per dozen 3 1/2 lbs .... Per dozen **$31 50**
One half dozen in a box.

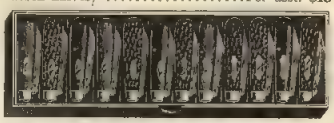
KNIFE ASSORTMENTS

A free display case with each assortment. Each assortment contains three trays—one consisting of two patterns of jack knives with stag and rosewood handles, brass lined to sell at 50 cents each one consisting of twelve patterns assorted stag and celluloid handles; brass lined with nickel silver bolsters and caps to sell at 75 cents each—one consisting of twelve different styles jack knives with assorted stag and celluloid handles, brass lined with nickel silver bolsters and caps, the large blades polished to sell at $1.00 each
No. 50 Crown Asst.—3 dozen knives. .Per asst **$40.50**
One assortment in a box

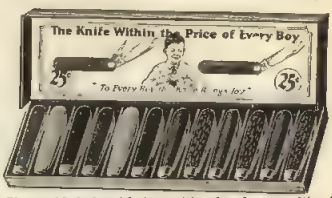
One dozen pen knives attractively assorted colored composition handles, each with two blades, brass lining and nickel silver bolsters and tips.
No. 800—Pen knife assortment (one dozen knives)
. . . . . .Per asst. **$24 00**
One assortment in a display box

KNIFE ASSORTMENTS

A popular jack knife assortment containing six stag and six fancy celluloid handled knives, brass lined with nickel silver bolster and caps.
No. 600—3 3/8 in. jack knife assortments (one dozen knives) .....Per asst. **$18.00**



Stag handle jack knives assorted large clip and spear point blades, brass lined; nickel silver bolsters and shields.
No. 400—3 1/4 in. jack knife assortments (one dozen knives) .....Per dozen **$12.00**



Six one blade boys' knives with colored composition handles and six two blade with stag and rosewood handles, steel lined and with metal bolsters.
No. 200—3 1/4 in. boys' assortments (one dozen knives) .....Per asst **$6 00**
One assortment in a display box

HUNTING KNIVES

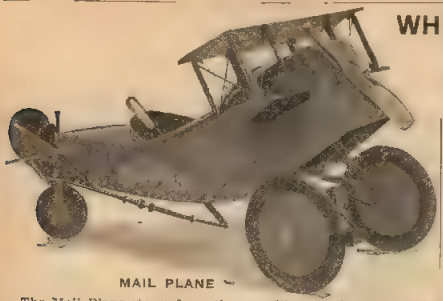
Stag handle; nickel silver guard; high grade clip point sabre blade, tempered and ground to a keen cutting edge; length of blade 6 inches.
No. 150—Stag handle with guard.....Per dozen **$36 00**
Each knife in a genuine leather sheath

Stag handle; nickel silver guard, scimeter blade with file back, ground and tempered, specially designed for skinning; 5 inch blade.
No. 154—Stag handle with guard.....Per dozen **$36 00**
Each knife in a genuine leather sheath

WHEEL GOODS

GENDRON

AUTOMOBILES



MAIL PLANE

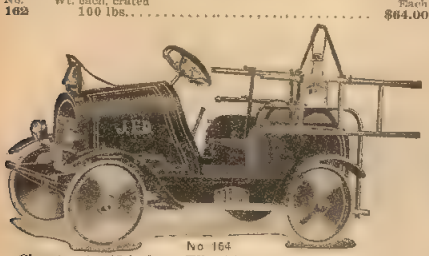
The Mail Plane steers from the rear like a real mail plane. The lever handle operates rudder and rear wheel and straightens automatically after turn is made. Staunchly constructed. Metal throughout. Body of 24-gauge sheet steel. Ball bearing front wheels; roller bearing rear wheels. All wheels rubber tired, disc steel. Front wheel drive. Adjustable seat.

	Weight	Each
Mail Plane	50 lbs	$40.00

No. 162

Chassis: 13x47 inches. Wheel base, 37 inches.
Finish: Red, striped and decorated in black and yellow. Black fenders. Wheels, red with blue centers and striping.
Equipment: Cast steering wheel, instrument board, license plates, oil can, front bumper, scuff plates, bell as shown, nickeled sheet steel boiler with water gauge, tubing side rails, rear step, 12-inch disc steel wheels with 1-inch non-skid rubber tires. The new emergency brake, an exclusive Gendron feature, is lever-operated, hand and drum type; adjustable for wear.

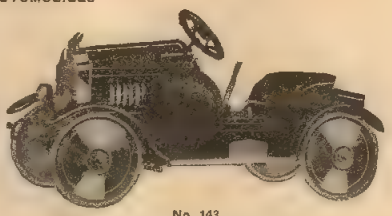
No.	Wt. each, crated	Each
162	100 lbs.	$64.00



No. 164

Chassis: 13x47 inches. Wheel base, 37 inches.
Finish: Red, striped and decorated in black and yellow. Black fenders. Red wheels with blue trim.
Equipment: Cast steering wheel, instrument board, road lamps, license plates, oil can, bumpers, scuff plates, bell as shown, hose reel, two ladders, step on rear, tubing side rails, lantern, 12-inch disc steel wheels, 1-inch non skid rubber tires. New design lever-operated emergency brake for safety.

No.	Wt. each, crated	Each
164	112 lbs.	$50.00



No. 143

Chassis: 13x45 inches. Wheelbase, 35 inches.
Finish: Light blue, striped and decorated in red and yellow. Fenders red. Wheels red with blue trim.
Equipment: Wood rim steering wheel, instrument board, horn, road lamps, license plates, imitation motor exhaust, tool box with tools, oil can, scuff plates, front bumper, nickel radiator shell; new lever-operated, full drum and band type emergency brake; adjustable for wear. "Just like dad's." 12-inch disc wheels, 1-inch non-skid tires. Spare wheel and tire, with cover, mounted on left running board.

No.	Wt. each, crated	Each
143	85 lbs.	$46.00

No. 165

Chassis: 13x56 inches. Wheelbase, 45 inches.
Finish: Red, with decorations and striping in white and yellow. Wheels red with blue trim.
Equipment: Cast steering wheel, instrument board, horn, road lamps, license plate, oil can, imitation motor exhaust, four-gallon water tank with sprinkler attachment operated by lever beside driver; 12-inch disc wheels with 1-inch non-skid tires.

No.	Wt. each, crated	Each
165	95 lbs.	$45.00

No. 167

Chassis: 13x56 inches. Wheelbase, 45 inches.
Finish: Red, striped and decorated in royal blue and white. Wheels red with blue trim.
Equipment: Cast steering wheel, instrument board, horn, front bumper, road lamps, oil can, license plates, imitation motor exhaust, gear shift, dump bed operated by lever beside driver's seat; 12-inch disc wheels; 1-inch non-skid tires.

No.	Wt. each, crated	Each
167	95 lbs.	$40.00

All above automobiles packed one in crate, knocked down.

WHEEL GOODS

MURRAY STEELCRAFT

AUTOMOBILES

DODGE

Similar in construction, spring suspension, etc., to the more expensive Chandler, Nash and Cleveland models, but without fenders, running boards and dust aprons.

The Dodge has the same high grade baked enamel finish in a light green with contrasting striping. Pedals adjustable for children 3 to 6 years. Fully equipped. Radiator conforms to latest Dodge design.

Dimensions: Over all, 48x24½ inches; 10-inch disc wheels, contained roller bearings, ¾-inch rubber tires.

	Shipping wt.	Each
Dodge	81 lbs.	**$38.00**

DURANT

"Just a real good car."

Durant's famous slogan certainly fits this little prototype.

Embodying all of the famous Steelcraft features of all-steel construction, special spring suspension and full equipment; with pedals adjustable for children 3 to 10 years. All these features at such moderate cost is bound to make this a seller. Finished in fawn color enamel.

Dimensions: Over all, 48x24½ inches, 10 inch roller bearing disc wheels, ¾ inch rubber tires.

	Shipping wt.	Each
Durant	86 lbs.	**$38.00**

STAR

Built to please and priced to sell.

No quality has been sacrificed in making this little car so inexpensive. It is smaller, plainer, but what there is in this car is up to Steelcraft's highest standard. All-steel body. Special spring suspension. Full equipment. Finished in light blue enamel. For children 3 to 6 years.

Dimensions: Over all, 48x24 inches; 10-inch roller bearing disc wheels, ½-inch rubber tires.

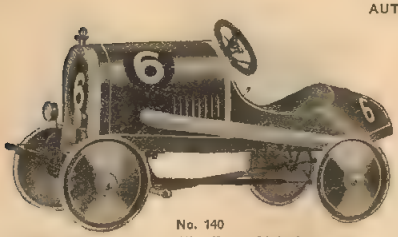
	Shipping wt.	Each
Star	80 lbs.	**$32.00**

All the above shipped one in a box, completely assembled except for wheels, steering wheels and windshields.

WHEEL GOODS

GENDRON

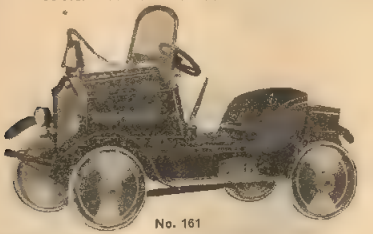
AUTOMOBILES



No. 140

Chassis: 13x44 inches. Wheelbase, 36 inches.
Finish: Tangerine, striped and decorated in blue and black Wheels, red, with blue trim.
Equipment: Wood rim steering wheel, horn, instrument board, road lamps, license plates, oil can, gear shift, imitation motor exhaust, front bumper, 12-inch disc wheels with 1-inch non skid tires.

No.	Wt. each, crated	Each
140	80 lbs.	$38.00



No. 161

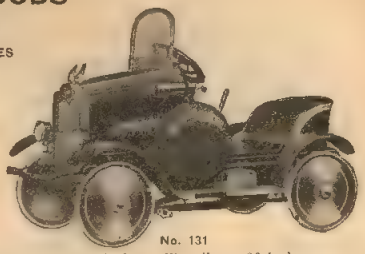
Chassis: 12x59 inches. Wheelbase, 31 inches.
Finish: Red, striped and decorated in black and yellow. Fenders black. Wheels red.
Equipment: Cast steering wheel, instrument board, road lamps, license plates, gear shift, imitation motor exhaust, tool box with tools, oil can, front bumper, scuff plates bell and windshield as shown; 10-inch disc wheels, ⅝-inch non-skid tires

No.	Wt each, crated	Each
161	67 lbs	$35.00

No. 138

Chassis: 12x41 inches. Wheelbase, 34 inches
Finish: Light buff, striped and decorated in Portland amber and red. Fenders red. Wheels red with blue trim
Equipment: Cast steering wheel, instrument board, horn, road lamps, license plates, gear shift, imitation motor exhaust, tool box with tools, oil can, front bumper, scuff plates, 10-inch disc wheels with 1-inch non-skid tires

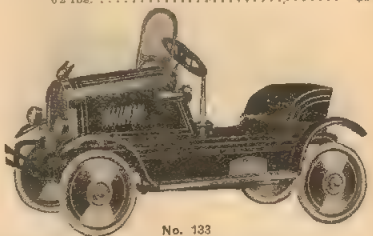
No.	Wt. each, crated	Each
138	75 lbs	$37.00



No. 131

Chassis: 12x36 inches. Wheelbase, 28 inches
Finish: Light straw, striped and decorated in red and black. Fenders and wheels, red.
Equipment: Cast steering wheel, instrument board, road lamps, license plates, horn, oil can, front bumper, scuff plates, imitation motor exhaust. Features the new Gendron lever-operated, band and drum type emergency brake, "Just like dad's." Ten-inch disc wheels; ⅝-inch non-skid tires. Spare wheel and tire, with cover, mounted on left running board.

No.	Wt. each crated	Each
131	62 lbs.	$35.00



No. 133

Chassis: 13x41 inches. Wheelbase, 34 inches.
Finish: Red, striped and decorated in orange and white, with black fenders and red wheels
Equipment: Cast steering wheel, instrument board, horn, road lamps, license plates, gear shift, front bumper, scuff plates, windshield, oil can, imitation motor exhaust, 10-inch disc wheels with ⅝-inch non-skid tires.

No.	Wt each, crated	Each
133	66 lbs.	$33.00

No. 132

Chassis: 12x38 inches Wheelbase, 30 inches.
Finish: Light buff, striped and decorated in blue and black. Red wheels.
Equipment: Cast steering wheel, instrument board, horn, road lamps, front bumper, license plates, gear shift, imitation motor exhaust, oil can, nickel "radiator shell," 10-inch disc wheels with ⅝-inch non skid tires.

No	Wt. each, crated	Each
132	63 lbs.	$28.00

All the above, packed one in a crate, knocked down

WHEEL GOODS

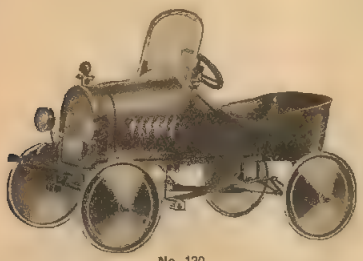
GENDRON

AUTOMOBILES

No. 129

Chassis: 12x34 inches. Wheelbase, 28 inches
Finish: Tangerine, striped and decorated in light blue and yellow, with black fenders and red wheels.
Equipment: Cast steering wheel, windshield, oil can, front bumper, 10-inch disc wheels, ½-inch tires.

No.	Wt. each, crated	Each
129	60 lbs.	$26.00



No. 120

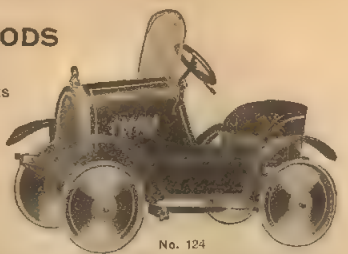
Chassis: 12x32 inches. Wheelbase, 26 inches
Finish: Napier green, striped and decorated in red and black. Red wheels.
Equipment: Cast steering wheel, road lamps, license plates, horn, windshield, oil can, front bumper, 10 inch disc wheels, ½-inch tires.

No.	Wt. each, in carton	Each
120	40 lbs.	$21.00

No. 160

Chassis: 12x31 inches. Wheelbase, 25 inches.
Finish: Red, striped and decorated in yellow and black. Red wheels.
Equipment: Cast steering wheel, road lamps, license plates, bell as shown, gear shift, front bumper, 10-inch disc wheels, ½-inch tires

No.	Wt. each, in carton	Each
160	40 lbs.	$19.00



No. 124

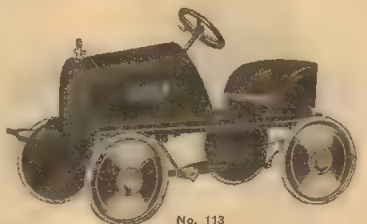
Chassis: 12x30 inches. Wheelbase, 24 inches.
Finish: Royal blue, striped and decorated in red and white. Fenders and wheels, red.
Equipment: Cast steering wheel, windshield, front bumper, 10-inch disc wheels, ½-inch tires.

No.	Wt. each, in carton	Each
124	40 lbs	$23.00

No. 118 AS No. 124, BUT WITHOUT FENDERS

Chassis: 12x31 inches. Wheelbase, 25 inches.
Finish: Red, striped and decorated in blue, yellow and green. Red wheels.
Equipment: Cast steering wheel, horn, license tag, windshield, front bumper, 10 inch disc wheels, ½-inch tires.

No.	Wt. each, in carton	Each
118	40 lbs.	$18.50



No. 113

Chassis: 12x30 inches. Wheelbase, 24 inches
Finish: Tangerine, striped and decorated in yellow and black. Red wheels.
Equipment: Cast steering wheel. Front bumper, 10-inch disc wheels, ½-inch tires.

No.	Wt. each, in carton	Each
113	29 lbs.	$15.00

No. 111

Chassis: 12x30 inches. Wheelbase, 24 inches
Finish: Light blue, decorated in red and yellow. Wheels red
Equipment: Cast steering wheel, 10 inch wire wheels with ⅜ inch tires

No.	Wt. each, in carton	Each
111	26 lbs.	$12.00

All the above packed one in a carton knocked down

CHRISTMAS TREE LIGHTING OUTFITS "See Dept. 5."

GENERAL ELECTRIC CO.

Series Type, Equipped with Tungsten Lamps.

Made for use on 105-125 volt regular lighting circuits. Equipped with 8 feet cord, attachment plug and socket, by means of which another outfit may be added.

Each

No. 8LE1—8 light outfit complete with assorted bulbs.. $5 10

One outfit in holly box; wt each 2½ lbs.

"See Dept. 5"

ELECTRIC FANCY

Made for use on 105-125 volts regular lighting circuit. Equipped with 8 feet of heater cord; green composition sockets; attachment plug and junction box. Outfit consists of 16 assorted picturesque bulbs.

No.	16FMC
1 to 4 Each	21 90
5 to 24, Each	20 46
25 or more, Each	18 99

One outfit in cardboard box; wt each 6 lbs. $9 75

EXTRA LAMPS "See Dept. 5."

For Christmas Tree Lighting Outfits.

TUNGSTEN, Round.

For use 8 in series 105 to 125 volt circuits. Decorated in attractive colors.

	Per 100
No. AP—Angel with Palm	$81 00
No. SC—Santa Claus	41 25
No. CF—Cat and Fiddle	81 00
No. RB—Rose Bud	64 50
No. CL—Clown	81 00
No. O—Owl	81 00
No. M—Monkey	81 00
No. CH—Baby Chick	41 25
No. F—Frog	41 25
No. BB—Blue Bird	49 50

Ten in cardboard box

EXTRA LAMPS "See Dept. 5."

Large Santa Claus for top of tree, highly decorated. For use in series 105 to 125 volt outfits. Per 100

No. LSC—Height over all 6 ins.. $204 00

One in cardboard box; wt per 100, 5 lbs.

Tungsten, Round.

For Christmas Tree Lighting Outfits.

Nos.	ORIT	OIT	YIT	RIT	GIT	BIT	CIT
Color	Orange	Orchid	Yellow	Red	Green	Blue	Clear
Per 100			$18 60				

CARBON, Round For Outfit No. 8LSC.

Nos.	CC	CW	CR	CG	CB
Color	Clear	White	Red	Green	Blue
Per 100		$14 70			

25 in cardboard box; wt each 1¾ lbs

Note—Both carbon and tungsten lamps will operate on Christmas Tree Lighting outfits shown herein, providing either all carbon lamps or all tungsten lamps are used. Carbon or tungsten lamps positively will not operate when used together on the same series.

ELECTRIC CHRISTMAS TREE LIGHT REFLECTORS "See Dept. 5".

Heavy cardboard coated with sparkling tinsel. Especially designed for use with Christmas tree lighting outfits. Furnished in 8 snow drop designs.

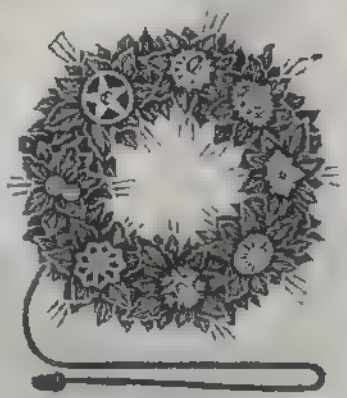
Per Carton of 8

No. 2—Diam 3 ins.. $1 35

8 reflectors in carton, 9 boxes in cardboard counter display stand; wt each 2 ozs.

ELECTRIC CHRISTMAS HOLLY WREATHS "See Dept. 5."

Imitation holly leaves and berries, decorated with sparkling reflectors and 8 tungsten series electric lights, assorted bulbs, red, white, blue, green and yellow. Especially designed for hanging in window. Complete with 6 feet of cord and attachment plug.

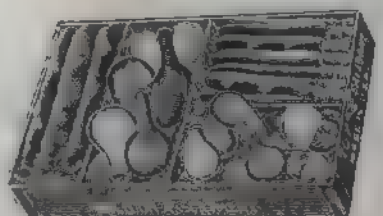


Each

No. EHW—Diam wreath 18 ins.. $10 50

One in holly covered cardboard box; wt each 2¼ lbs.

TOY BALLOONS



"WONDERLAND" ASSORTMENT

Assortment furnished in an attractive display box; assorted colors and sizes.

Per Gro

No. 2C—Consists of 36 long airship balloons 20 ins long, 36 round balloons 7 ins in diam and 72 oblong squawkers inflating to 9 ins.. $6 30

One ass't in cardboard box, wt per ass't 2 lbs.

RUBBER BALLS

MILLER

INFLATED RUBBER BASE BALLS

Made of good grade white rubber; molded to show stitches like regular base ball.

	Per Doz
No. M888—Junior Size; diam 2½ ins; wt per doz 3 lbs	$2 40
No. M88 - Regulation Size. diam 3 ins, wt per doz 5 lbs	6 75

One in box; one doz in cardboard box.

RUBBER DOLLS

MILLER, PUNGEE DOLLIES

Made of red porous rubber, decorated in fast colors. So made that they float in water. Soft, squeezy, sanitary and clean. Assortment consists of 12 dollies as follows:

4—No. 2415 Jimme.
3 No. 2416 Patsy.
3 No. 2417 Polly.
1 No. 2418 Pa.
1 No. 2419 Ma.

	Per Ass't
No. M2420—Assortment complete as above described	$8 25

One ass't in cardboard box, with display card wt per ass't 3 lbs

SPINNING TOPS

BALL PEG

Turned hardwood; enameled assorted colors: green and red stripe around body; steel ball peg.

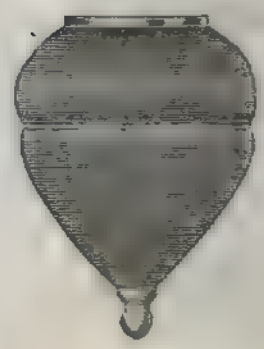
	Per Doz
No. 10—Size 1¾x2½ ins; wt per doz 2 lbs	$1 20

Two doz in carton.

SPIKE PEG

Turned hardwood; stained assorted colors: green and red; steel peg.

Nos.	00	1	3
Size, ins.	1¼x2	1¼x2½	1¾x2½
Doz in carton	12	6	3
Wt gross, lbs.	6	[illegible]	8
Per Gro	$2 70	4 05	9 00



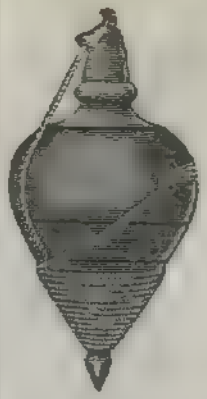
RUBBER NECK

Turned hardwood; enameled assorted colors, red and green; rubber neck and steel peg.

	Per Doz
No. 1000—Size 1¾x2¾ ins; wt per doz 1¼ lbs	$1 35

Three doz in carton.

SPINNING TOPS



GIRLS TOPS

Turned hardwood; stained, assorted colors: green and red; steel spike; furnished with cord, swivel and button.

	Per Doz
No. 600—Size 1½x1¼ ins; wt per doz 2¼ lbs	$1 35

Two doz in carton.

IMPORTED MARBLES

GENUINE IMPORTED AGATES

Genuine agates. Assorted colors and sizes.

	Per 100
No. 300—Seconds	$25 50
No. 200—Medium	31 50
No. 100—First quality	45 00

25 in cardboard box; wt per hundred 1¼ lbs.

CHRISTMAS TREE HOLDERS

Made of wood, painted green adjustable to any size tree. Complete with bolts, washers and winged nuts for setting up.

	Per Doz
No. 10—Spread 20 ins; height 6¼ ins	$12 75

One in cardboard box; K. D.; one doz in carton; wt per doz 28 lbs.

Made of steel, green enameled finish. Adjustable to hold any size tree. Folds when not in use.

	Per Doz
No. 7—Spread 16 ins	$15 00

Half doz in cardboard box; wt per doz 20 lbs.

CHRISTMAS TREE LIGHTING OUTFITS "See Dept. 5."

Series Type.

Made for use on 105-125 volts regular lighting circuit. Equipped with 8 feet leader cord, green composition sockets; attachment plug; mercerized cotton covered parallel cord.

Equipped with Tungsten Lamps.

	Each
No. 8LTS—8 light outfit, assorted colors	$3 90
No. 16LTS—16 light outfit, assorted colors	7 05
Equipped with Carbon Lamps.	Each
No. 8LSC—8 light outfit, assorted colors	$3 15

One outfit in holly-covered box.

SEWING MACHINE MOTORS

"Also Dept. 7."

STAR

Highly polished and nickel plated, will operate any high arm sewing machine and immediately converts it into an electrically self operated labor saver. Requires no bolts, screws or clamps to fasten, as the spring in the base holds the pulley of the motor against the handwheel and gives the firm friction drive. Equipped with speed control and operates on either direct or alternating current, 25 to 60 cycles. Complete with cord and attachment plug.

No.	S-110-U
Volts	110
1 to 11, Each	$33 75
12 to 24, Each	31 50
25 to 50, Each	29 25

One in carton; wt 10[illegible] lbs

CHAIN STITCH SEW-E-Z

For automatic sewing machines. Very simple and easily attached.

Polished nickel plated finish. Operates on direct or alternating current, 25 to 60 cycles. Complete with cord and attachment plug.

Nos.	CS-110-U	CS-220-U	CS-32-U
Voltage	110	220	32
Each	$3 25	+$8 20	+$8 20
List Price, Each	*$21 00*	*22 50*	*22 50*

One in carton; wt each 6½ lbs.

MOTOR ATTACHMENTS

SEWING MACHINE, BUFFER AND GRINDER

For Use with Jack Rabbit Type Sew-E-Z Sewing Machine Motors.

Very quickly and easily applied to any Jack Rabbit Type Sew-E-Z Sewing motor. Very efficient for sharpening knives or buffing silverware, etc. The emery and buffer wheels are of the best material procurable.

		Per Set
No. 3 & 6—Buffer and grinder	3 75	*$1 50*

One set in cardboard box; wt per set 1½ lbs.

+F. O. B. Wisconsin Factory Only.

MOTOR ATTACHMENTS

SEWING MACHINE, FAN

For use with Jack Rabbit Type Sew-E-Z Sewing Machine Motors.

Permits any Jack Rabbit Type Sew-E-Z sewing machine motor to be instantly converted into an electric fan of equal efficiency to the most expensive fan motor of equal size.

The speed can be regulated by means of the foot control.

Full nickel plated and polished; diameter of blades 6½ inches.

	Each
No. FA—Wt each about 1 lb	6 90
One in carton.	*$3 00*

ELECTRIC CHRISTMAS TREE LIGHTING OUTFITS "Also Dept. 7."

GENERAL ELECTRIC CO.

Series Type, Equipped with Tungsten Lamps.

Made for use on 105-125 volt regular lighting circuits. Equipped with 8 feet cord, attachment plug and socket, by means of which another outfit may be added.

	Each
No. 8LEI—8 light outfit complete with assorted bulbs.	$5 10

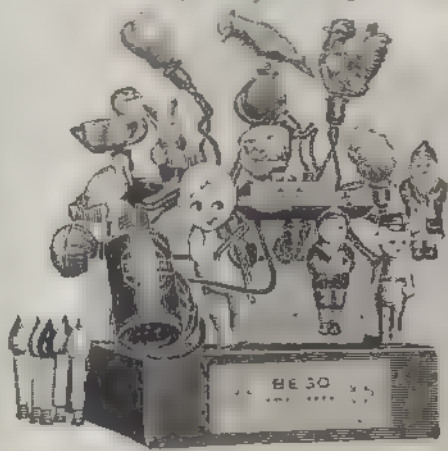
One outfit in holly box; wt each 2½ lbs.

Series Type.

Made for use on 105-125 volts regular lighting circuit. Equipped with 8 feet leader cord, green composition sockets; attachment plug; mercerized cotton covered parallel cord.

Equipped with Tungsten Lamps.	Each
No. 8LTS—8 light outfit, assorted colors	$3 90
No. 16LTS—16 light outfit, assorted colors	7 05
Equipped with Carbon Lamps.	**Each**
No. 8LSC—8 light outfit, assorted colors	$3 15

One outfit in holly-covered box.



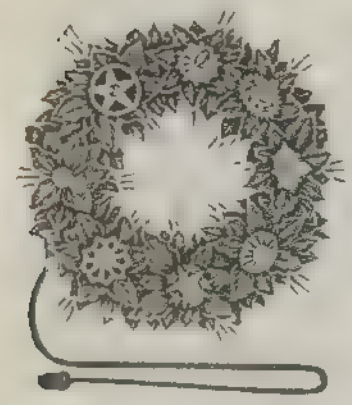
BESO—Multiple Type, Fancy, Carbon.

Made for use on 105-125 volt regular circuits. Equipped with 8 feet leader cord; green composition sockets; attachment plug and junction box.

16 light outfit complete with 16 picturesque bulbs.

No.	16FMC
1 to 4, Each	21 90
5 to 24, Each	20 46
25 or more, Each	18 99
One outfit in cardboard box; wt each 6 lbs.	*$9 75*

ELECTRIC CHRISTMAS HOLLY WREATHS "Also Dept. 7."



Imitation holly leaves and berries, decorated with sparkling reflectors and 8 tungsten series electric lights, assorted bulbs, red, white, blue, green and yellow. Especially designed for hanging in window. Complete with 6 feet of cord and attachment plug.

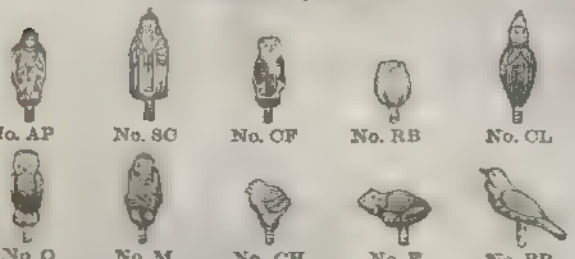
Each

No. EHW—Diam wreath 18 ins. $10 50

One in holly covered cardboard box; wt each 2¼ lbs

EXTRA LAMPS "Also Dept. 7."

For Christmas Tree Lighting Outfits.
TUNGSTEN, Round.



For use 8 in series 105 to 125 volt circuits. Decorated in attractive colors.

	Per 100
No. AP—Angel with Palm	$81 00
No. SC—Santa Claus	41 25
No. CF—Cat and Fiddle	81 00
No. RB—Rose Bud	64 50
No. CL—Clown	81 00
No. O—Owl	81 00
No. M—Monkey	81 00
No. CH—Baby Chick	41 25
No. F—Frog	41 25
No. BB—Blue Bird	49 50

Ten in cardboard box

Large Santa Claus for top of tree, highly decorated. For use in series 105 to 125 volt outfits. Per 100

No. LSC—Height over all 6 ins. $204 00

One in cardboard box; wt per 100, 5 lbs.

Tungsten, Round.

For Christmas Tree Lighting Outfits.

Nos.	ORIT	OIT	YIT	RIT	GIT	BIT	CIT
Color	Orange	Orchid	Yellow	Red	Green	Blue	Clear
Per 100				$18 60			

CARBON, Round For Outfit No. 8LSC.

Nos.	CC	CW	CR	CG	CB
Color	Clear	White	Red	Green	Blue
Per 100		$14 70			

$5 in cardboard box; wt each 1½ lbs

Note—Both carbon and tungsten lamps will operate on Christmas Tree Lighting outfits shown herein providing either all carbon lamps or all tungsten lamps are used. Carbon or tungsten lamps positively will not operate when used together on the same series.

ELECTRIC CHRISTMAS TREE LIGHT REFLECTORS "Also Dept. 7."

Heavy cardboard coated with sparkling tinsel. Especially designed for use with Christmas tree lighting outfits. Furnished in 8 snow drop designs.

Per Carton of 8

No. 2—Diam 3 ins. $1 35

8 reflectors in carton, 8 boxes in cardboard counter display stand; wt each 2 ozs.

TOY TRANSFORMERS

"Also Dept. 7."
THORDARSON
Standard Type.
For Alternating Current 100 to 125 Volts; 60 Cycles.

Mounted in black enameled steel case and immersed in an insulating compound which renders it indestructible and impervious to moisture.

Designed to operate all classes of electrical toys, will operate Ruhmkorff and other types of induction coils.

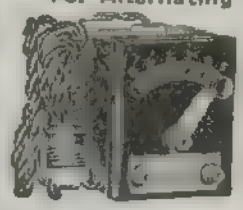
The range of voltage is from 2 to 28 volts in steps of 2 volts each. The constant voltages are 4, 6, 8, 10, 14 and 18 and any of these several voltages can be used simultaneously.

The rheostat which controls the various voltages is mounted in front of the apparatus.

Nos.	1D	2D	3D
Voltage	2 28	2 28	2 28
Watts		150	250
Length, ins	5⅛	5	7
Width, ins	3	3	4
Height, ins	4	4	5
Weight	8	11	16
Each	11 40	14 85	18 45
One in box.	*$6 00*	*7 50*	*8 00*

TOY TRANSFORMERS "Also Dept. 7."

THORDARSON "DANDYTOY"
For Alternating Current 110 Volts, 60 Cycles.



Mounted in black enameled steel case and immersed in an insulating compound which renders it indestructible and impervious to moisture.

While primarily intended for operating electric toys of all kinds from the house lighting circuit, it can also be used to excellent advantage for many other purposes, such as operating annunciators, burglar alarms, induction coils, etc.

The range of voltage is from 2½ to 27½ volts in steps of 2½ volts each.

The rheostat which controls the various voltages is conveniently mounted in front of the apparatus.

Length 3⅞ ins; width 3 ins; 2½ ins high. Complete with 7 ft of flexible cord and attachment plug. Each

No. D-T—Capacity 75 watts. 6 75 *$3 00*

One in box, with complete directions for using; wt each 4 lbs.

IVES "See Dept. 7."
For Alternating Current, 110 Volts, 75 Watts, 60 Cycles Delivers Up To 25 Volts.

Suitable for operating "0" and "2¼" gauge electric trains where a rheostat is used for speed variations. Mounted in black enameled steel case and immersed in an insulating compound which renders it indestructible and impervious to moisture. Complete with 7 feet of cord, attachment plug and diagram for connecting. Each

No. M204 (Old No. 204)—Size 4x3½ ins. $7 50

One in cardboard box; wt each 4 lbs.

"U. S." ROYAL GOLF BALLS

Recess Marking

A High Grade Ball that Gives Distance, Durability and Has Correct Balance. White Paint Does Not Chip Off.

Per Dozen

No. RR—Retails 75c Each..... **$6.50**

One Dozen in a Box

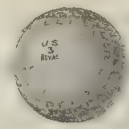
Mesh Marking

"U. S." Royal Quality that Gives More in All Round Service than Many Balls Priced Much Higher. Marked 1, 2, 3 and 4 for Identification.

Per Dozen

No. RM Retails 75c Each..... **$6.50**

One Dozen in a Box Assorted Three of Each Number.



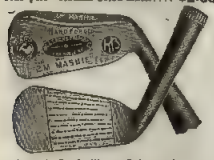
HILLERICH & BRADSBY GOLF CLUBS

Mashie

Standard Model, Straight Back, Medium Weight. Rather Wide Blade. Depth of Blade 1⅝ Inches, Length of Blade 3¼ Inches, Loft of Blade 1¾ Inches. Hickory Shaft. Kork or Calf Grip

Each

No. 1M—Retails $4.00 Each.... **$2.65**



Straight Back, Flange Sole; Rather Deep Face. Depth of Blade 1¾ Inches; Length of Blade 3½ Inches; Loft of Blade 1½ Inches. Lengths 36 to 37½ Inches

Each

No. 2M—Retails $4.00 each..... **$2.65**

MASHIE NIBLICK

Scotch Pattern. Straight Back, Well Rounded Sole. Depth of Blade 1½ Inches, Length of Blade 3¼ Inches. Loft of Blade 1¾ Inches. Hickory Shaft. Kork or Calf Grip.

No. 1MN—Retails $4.00 Each.... **$2.65**

PUTTERS

Straight Back, Flange Sole, with Quarter Goose-neck; Fairly Heavy. Depth of Blade 1½ Inches, Length of Blade 3¼ Inches; Loft of Blade ¾ Inch Lengths 32 to 35 Inches.

Each

No. 2P—Retail $4.00 each..... **$2.65**

Made of Aluminum. Roy Mills Model Lengths 32 to 35 Inches. Depth of Blade, ½ Inch, Length of Blade 3¼ Inches. Hickory Shaft. Kork or Calf Grip.

Each

No. 7P—Retails $5.50 Each ... **$3.60**

Mashie

Very Deep Face. A Club for Heavy Lies. Depth of Blade 1⅞ Inches. Length of Blade 3¼ Inches. Loft of Blade 1¼ Inches. Hickory Shaft. Calf Grip.

Each

No. 21M—Retails $3.00 Each... **$2.00**

GOLF BALLS

Wright & Ditson

Bullet

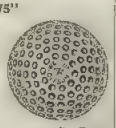
A Lively Ball for Distance. High - Powered, but Will Stop Quickly, Assuring Accuracy for the Expert Player

Per Dozen

No. Bullet—Retails 75c Each **$6.60**

One Dozen in a Box, Weight 2 Lbs.

"75"



A Durable Ball with High Driving, Approaching and Putting Qualities. Very Popular.

Per Dozen

No. 75—Retails 75c Each **$6.60**

One Dozen in a Box, Weight 2 Lbs

Black Circle

A Ball That is Lighter in Weight than Standard for Golfers who Prefer Them. True and Durable.

Per Dozen

No. Black Circle—Retails 50c Ea. **$4.50**

One Dozen in a Box, Weight 1¾ Lbs.

Gray Goose

Made of Purest Rubber and Balata Springy Centre Wound with Tough Rubber Ribbons. Tough, Dimpled Cover Deeply Enameled and Varnished. Weight and Size 1 62

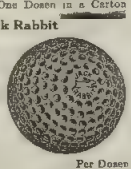
Per Dozen

No. Gray Goose—Retails 75c . **$6.00**

One in a Box; One Dozen in a Carton

Jack Rabbit

A Sturdy, Handsome Ball with Plenty of Life at a Low Price



Pure Rubber Wound Neat, Dimpled Enameled Cover Weight and Size 1 62

Per Dozen

No. Jack Rabbit—Retails 50c... **$4.50**

One in a Box; One Dozen in a Carton

Send Us Your Mail Order

GOLF BAGS

Buffalo

Stay Bag

Diameter, 4½ Ins. Length, 35 Ins. Made of No. 10 Brown Canvas with Brown Leather Reinforcements, Two Stays, Adjustable Brown Leather Handle, Shoulder Strap, Imitation Leather Bound Pocket, Metal Bottom

Per Dozen

No. 631B **$36.00**

Lace Bag

Diameter, 5 Inches. Length, 35 Inches. Made of No. 10 Olive Canvas. Leather Reinforcements, Shoulder Straps, made of Brown Leather, Three Stays covered with Leather, Adjustable Handle, Laced at Top Ring and Pocket. Metal Bottom and Partition, Pocket Bound with Imitation Leather

Per Dozen

No. 622-5B **$51.00**

Made of Number 10 Brown Canvas Leather Reinforcements Metal Bottom and Partition. Three Stays, Adjustable Handle. Telescope Solid Hood with Lock. Imitation Leather Bound Pocket. Shoulder Strap of Black Leather.

Per Dozen

No. 612-5B **$62.50**

Split Hood Bag

Diameter, 6 Inches. Length, 35 Inches. Made of No. 10 Brown Canvas, With Four Stays Covered With Leather. Pocket Bound With Imitation Leather All Other Trimming Made of Brown Leather Equipped With Metal Bottom, Partition Arrangement, Adjustable Handle and Leather Bound and Leather Laced Split Hood and Lock.

Per Dozen

No. 613-6B..... **$69.00**

WRIGHT & DITSON-VICTOR TENNIS GOODS

TENNIS RACKETS

"GEORGE WRIGHT" SPECIAL

The Utmost in Practical Design and Graceful Lines. "Permalite" Stringing Will Outlast Any Gut on the Market. Thoroughly Tested. Bound with Black and Red Whipping on Shoulders. Red Reinforced Gut Keeps Strings in Position. Black Laminated Throat. Grip, 5½ Inches.

No.	Weights	Retail Each	Net Each
GWS	13½, 14, 14½ Ozs.	$16.00	$10.75

CHALLENGE CUP

Reinforced at Shoulders. Strung with "Permalite." Made for Durability and has Large Driving Power. 5¼ Inch Handle. Weights 13½, 14 and 14½ Ounces.

	Retail Each	Net Each
No. Challenge Cup	$16.00	$10.75

GOLD STAR

Used by National Champions. Carefully Selected Frame with Green Binding and Trimming on Throat. Walnut Throat. Long Narrow Shape 5¼ Inch Handle.

	Retail Each	Net Each
No. Gold Star—Weights, 13½, 14, 14½ Ozs.	$16.00	$10.75

DAVIS CUP

Named in Honor of the Famous Davis Cup. Made of Choicest Materials. Oval in Shape. Dogwood Reinforcement and Concave Throat. Single Stringing. Used by Many Leading Players. Weights, 13½, 14, 14½ Ounces.

	Retail Each	Net Each
No. Davis Cup	$16.00	$10.75

RELIANCE

Round Chamfered Frame of Selected White Ash. Good Quality Gut. Blue Trimmings on Shoulders and Blue Reinforcement Strings. Reinforced Shoulders.

	Retail Each	Net Each
No. Reliance	$10.00	$6.75

SERVICE

Depressed Throat Strung with Good Quality Gut. Oval Chamfered Frame. Bound at the Shoulders and on Frame. Reinforced with Dogwood at Throat and Vellum on Shoulders.

	Retail Each	Net Each
No. Service	$8.00	

PREMIER

Flat Chamfered Frame. Good Grade Gut, Single Stringing. Blue Binding and Trimming. Dogwood Insertions on Side of Shoulders. Weights, 13, 13½, 14 and 14½ Ounces.

	Retail Each	Net Each
No. Premier	$8.00	$5.40

1925 Championship Lawn Tennis Balls

For Thirty-four Years the Tennis Ball Used in National Championships of U. S. L. T. A., Since 1900 in Davis Cup Matches.
Unmatched. Flawless. Two-piece. For Hard and Grass Courts. Made from Best Materials by Expert Workmen, each Operation in its Manufacture Inspected.

	Per Dozen
No. 450	$4.50

Weight, per dozen, about 2 lbs.
One dozen in a box.

ALL AMERICAN

Oval Shape, Depressed White Dogwood Throat, Frame Well Seasoned Ash, Chamfered. Double Center Stringing. Red, White and Blue Binding, 5¼ Inch Handle. Weights, 13, 13½, 14 and 14½ Ounces.

	Retail Each	Net Each
No. All American	$8.00	$5.40

HUB

Youths' and Misses' Size. Small Bow. Good Gut. Flat Chamfer. Light, Medium and Heavy Weights

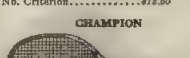
	Retail Each	Net Each
No. Hub	$3.00	$2.00

CRITERION

Practical Shaped Bow, with New Style Chamfer. White Holly Throat with Dogwood Reinforcement and Red Binding. A Very Attractive and Serviceable Racket. Strung with Choice Quality Lambs' Gut Stringing. Grip 5⅛ Inches. Light, Medium and Heavy Weights.

	Retail Each	Net Each
No. Criterion	$12.50	$8.00

CHAMPION



Frame of White Ash with Black Throat. Dogwood Reinforcement and Extra Center Strings. Frame Chamfered from the Throat. Light, Medium and Heavy Weights.

	Retail Each	Net Each
No. Champion	$6.50	$4.35

LONGWOOD

Seasoned Ash, Flat Chamfered Frame, Strung with Good Quality Red and White Gut. Blue Trimming Top and Bottom. Bound on Shoulders Where Strain Comes.

	Retail Each	Net Each
No. Longwood	$6.50	$4.35

COLUMBIA

Extra Wide Head. Seasoned Ash Frame. Strung with Good Quality Black and White Gut. Light, Medium and Heavy Weights.

	Retail Each	Net Each
No. Columbia	$5.00	$3.35

COUNTRY CLUB

New Style. Seasoned Ash Frame. Full Size Bow. Flat Chamber with Walnut Throat. Double Center Stringing of Good Gut. Light, Medium and Heavy Weights.

	Retail Each	Net Each
No. Country Club	$4.00	$2.70

PARK

White Ash Frame. Full Size Bow, Walnut Throat. Strung with Good Grade Gut with Double Center Strings. Maroon Trimming. Light, Medium and Heavy Weights.

	Retail Each	Net Each
No. Park	$5.50	$2.40

Star

Frame of White Ash with Black Throat. Single Style Stringing of Good Quality Gut. Weights: Light, Medium and Heavy.

	Each
No. Star—Retails $2.50 Each	$1.75

Trophy

Very Practical Shape for All-Around Play. 5¾ Inch Handle; Black Throat, Frame Made with Black Reinforcement; Attractively Bound in Black and Gold. Used in National Championships and by Many Leading Players. Strung with Lamb's Gut. Weights: Light, Medium and Heavy.

	Retail Each	Net Each
No. Trophy	$16.00	$10.75

MARKERS

Dry Marker.
For Dirt or Grass Courts. Use Marble Dust, Air-slaked Lime, Plaster of Paris or Ground Plaster.

	Retail Each	Net Each
No. 6	$3.00	$2.25

TENNIS NETS

Bound Center

Bound at Top with Drilling.

	Retail Each	Net Each
No. 110B—Double Court, 42 Ft., 21 Thread	$6.50	$4.50
No. 109B Double Court, 42 Ft., 18 Thread	5.00	3.35
No. 106B—Single Court, 36 Ft., 16 Thread	4.50	3.00

Unbound Center

Top and Bottom Bound with Heavy White Cotton Rope.

	Retail Each	Net Each
No. 106—Double Court, 36 Ft., 16 Thread	$3.00	$2.00

RACKET PRESSES

Racket Press

Wood, with Malleable Iron Thumb Screws and Nuts to Tighten. For One Racket.

	Retail Each	Net Each
No. 0/T—Plain Finish	$1.00	$ .75
No. 0/I—Special Finish	1.75	1.20

RACKET COVERS

FIT ANY RACKET

Made of Good Grade Waterproof Material. Ball Pocket. Handle Strap.

	Retail Each	Net Each
No. 4	$1.00	$.67

Best Quality, Waterproof Material. Protects the Gut from Dampness and is Large Enough to Contain Racket with Large Handle. Pocket for Three Balls.

	Retail Each	Net Each
No. 5F	$1.75	

Made of Best Waterproof Material.

	Retail Each	Net Each
No. 5	$1.50	$1.00

Covers Head of Racket Only.

	Retail Each	Net Each
No. WH	$.75	$.50

Do Motorists Know Your Store?

You may give splendid service, carry the best merchandise and have the best trimmed show window on the street, and yet be passed unnoticed by many a motorist. For motorists don't do their shopping leisurely from the sidewalk — their fleeting glances have only time to take in the obvious signs.

A gasoline pump at the curb is an obvious sign that every motorist recognizes instantly. It signifies to him a place to stop and get what he needs. Putting a G & B pump on your curb, puts your store in his mind.

Ask your oil man for information and prices on Gilbert & Barker gasoline pumps today. If he cannot supply it, write us mentioning his name and address.

GILBERT AND BARKER
MANUFACTURING COMPANY
PUMPS AND TANKS FOR THE OIL TRADE
SPRINGFIELD, MASS.

LOOK AT THE PRICES

"NOW" GOODS

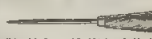
GOOD PROFIT PAYERS

ICE PICKS

Tempered and polished crucible steel blades, swaged needle points.

1H3348—3¼ in. blade, 3¼ in. green polished handle, steel ferrules. 1 doz. in box ..... Doz **35c**

1H3349—5 in. blade, 4 in. polished handle, steel ferrule. 1 doz. in box ..... Doz **42c**

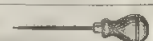


1H3351—6 in. blade, asstd. 4¼ in. shellacked handles, steel ferrules. 1 doz. in box ..... Doz **72c**

1H3350—6 in. blade, 4½ in. shellacked handle, steel ferrule. 1 doz. in box ..... Doz **72c**

1H3336—6 in. blade, 3¾ in. fancy mahogany handle. 1 doz. in box ..... Doz **84c**

1H3360—6 in. blade, 4¾ in. handle, shellacked and mahogany finish, steel ferrule. Asstd. 1 doz. in box ..... Doz **87c**



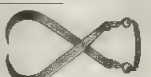
1H3366—6 in. blade, large shellacked handle, asstd. black, natural and cherry finish, steel ferrules. Asstd. 1 doz. in box ..... Doz **87c**

1H3364—6 in. blade, 3¾ in. shellacked handle with brass metal cap, steel ferrules. 1 doz. in box ..... Doz Temp Out

Price Tickets Sell Goods

ICE TONGS

1H3367—24 in. long, 13½ in. spread, **blued finish** steel blades, plaited handle. ½ doz. in bdl ..... Doz **$1.85**



1H3368—14½ in. long, 11¾ in. spread, heavy wt., strong natural finish forged steel blades, plaited handle. ½ doz. in crt ..... Doz **$2.75**

ICE SHAVER

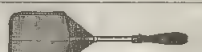
1H3377—5½x3¾ in. malleable iron case, retinned steel cutting blade, **adjustable**, shaves any thickness. ½ doz. in box ..... Doz **$4.25**

WIRE FLY SWATTERS

1H5490—"National" 7¼x4¼ in., 17½ in. long. 1 in. brass nickel wire handle, 12 mesh black wire cloth end and sides double finished and bound with high grade felt. 2 doz. in display carton ..... Doz **42c**

1H5454—"King," 7½x4½ in., 16¼ in. long, 6 in. flat steel nickel plated handle, 6 in. black enameled wood grip with ferrule, 13 mesh black wire cloth with 3 wire selvedges on each side. 1 doz. in carton ..... Doz **64c**

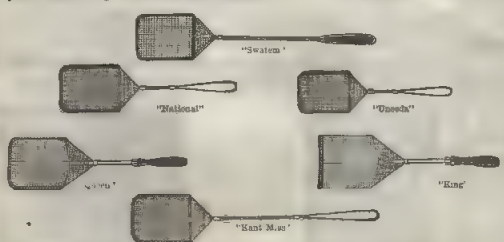
1H5491—"Swatmore," 6¼x4 in., 15½ in. long, 5 in. twisted copper wire swaged into black wood handle, 13 mesh black wire cloth bound with heavy black felt. 1 doz. in display carton ..... Doz **45c**



1H5448—"Queen," 6¼x4 in., 16¼ in. long, 6 in. flat steel handle black enameled wood grip with ferrule, 13 mesh black wire cloth, headed with heavy black felt. 1 doz. in carton ..... Doz **65c**

ASSORTMENT

You'll be surprised at the quantity you will sell if you will display this assortment with a price ticket reading "YOUR CHOICE 10c."



1H5489—6 styles, the best selling brands on the market, at a special assortment price. Consists of ½ doz. each of the following: "National," "Queen," "King," "Swatem," "Kant Miss" and "Uneeda." Asstd. 3 doz. in carton. DOZ **54c**

"POLAR CUB" FAN

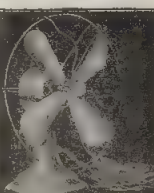
Model "H" stationary type, 110 volts, alternating or direct current, 25 to 60 cycles, 4 brass finish steel blades, drawn steel motor shell with patented bearings, cast iron base, motor shell, base and guard finished in baked black enamel, adjustable to any angle, 6 ft. of cord and plug. 1 in box

1H5900—6 in. diam., 8 in. high, 4 blades. Retails at $3.98. 1 in box .... Each **$300**

10 or more, Each **2.90**

1H5902—8 in. diam., 10 in. high, 4 blades. Retails at $5.00. 1 in box, ... Each **$3.75**

12 or more, Each **3.50**



"Boudoir" Model, 4 brass finish steel blades, drawn steel motor shell with patented bearings, cast iron base, entirely finished in ivory, 50 to 60 cycles, 6 ft. of white cord with white bakelite 2 piece attachment plug

110 VOLTS, Alter. or Direct Current—

1H5910—8 in. diam., 10 in. high, 4 blades. Retails at $7.50. 1 in box ..... Each **$5.95**

12 or more, Each **5.60**

ELECTRIC FANS

POLAR CUB,
Single Speed.

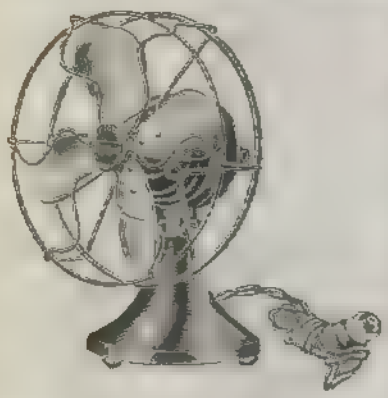
Highly nickel-plated motor; blades are japanned and rust roof base is dipped and baked with a lustrous black finish. Fan is adjustable to any angle; die cast frame; mica filled commutator; easily lubricated.

Voltage 105 to 120; wattage A. C. maximum 21, D. C. maximum 27; complete with 8 ft. of cord and plug.

Nos.	Black Enameled, PC-6-110	PC-8-110	Nickel Plated. PC-8-110NP
Diam of blades, ins	6	8	8
Height over all, ins	8	10½	10½
Wt each, lbs	3¼	4	4
1 to 11, Each	9 00	11 25	16 80
12 to 143 Each	8 70	10 44	15 75
144 or more, Each	8 40	10 14	15 30
List, Each	*$8 98*	*$ 96*	*7 50*

One in carton

UNIVERSAL, SIGNAL JUNIOR



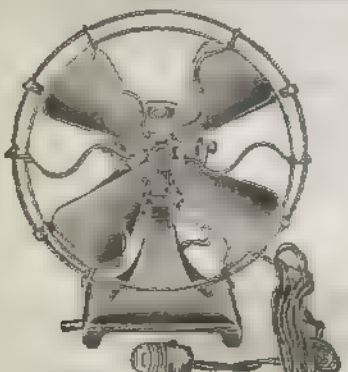
Toggle Switch One Speed, Four Brass plated Blades.

Pressed steel housing, polished cast iron base, black japanned finish. Pressed steel swivel joint permits fan to be adjusted to any angle. Equipped with rubber feet for table use, also slotted for wall mounting. Fitted with self aligning bronze bearings and self lubricating oil wicks. Complete with 8 feet of cord and separable attachment plug, with Universal Motor, for alternating current. Each

No. S-18—Diam blade 8 ins; voltage 110 ..... $18 00

One in carton; ship wt each 12 lbs.

8 INCH—FOUR BLADE—UNIVERSAL



Nickel Plated.

Desk and Bracket Type.

Runs on either alternating or direct current like the Vibrator and Jack Rabbit Sewing Machine Motor. In selling, salesman has only to ask customer voltage.

This fan is compact and neat in appearance and has a nickel plated finish which makes it look rather nicer in the home than the ordinary fans with black motor and brass plated blades.

Consumes 23 6 watts on low speed, 35.4 on high. 1st speed, 650 R. P. M., 2nd speed, 850 R. P. M.; 3rd speed 1200 R. P. M.; high speed, 2400 R. P. M. Each

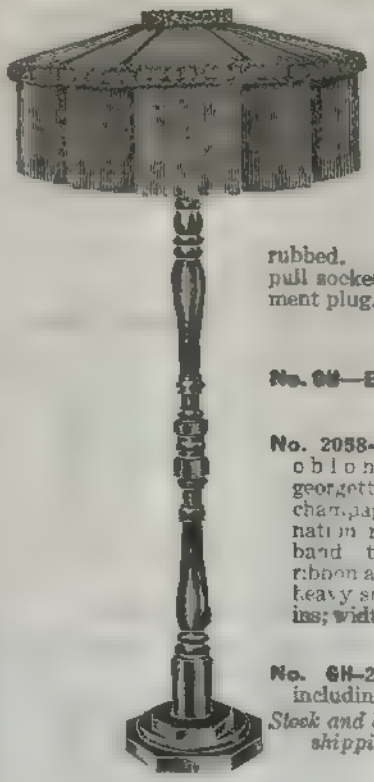
No. N-32-U—32 volts 44 55 *$21 00*

One in wood box; ship wt about 15 lbs.

4F. O. B. Wisconsin Factory Only.

ELECTRIC PORTABLE LAMPS

WOOD FLOOR LAMPS



GALT HOUSE
Genuine Solid Black Walnut.
Incandescent lamps not included.

Made from spindles which for over 50 years represented part of the Main stairway in the historic old Galt House. Carefully finished in six coats of shellac, hand rubbed. Complete with two chain pull sockets, 8 feet cord and attachment plug. Height 68 inches.

Each

No. 68—Base only $37 50

No. 2058-BOC Shade only; oblong, black pleated georgette top over orchid champagne silk lining; combination running at collar and band trimmed with velvet ribbon and fancy braid 3 inch heavy silk fringe Length 24 ins; width 20 ins 78 00

No. 6H-2058-BOC—Complete including base and shade . 115 50

Stock and base crated; shade in cartons; shipping wt each about 28 lbs.

Each

No. 501-DEC—Base only, hardwood; 3 in. post black finish; decorated with Japanese figures; complete with 2 chain pull sockets, 8 feet lamp cord and attachment plug; height 62 ins. $24 75

No. 1025—Shade only, round; gold brocaded silk, orange silk interlining, champagne silk facing, black silk ruching around collar and base; 6 in. two-tone silk fringe; diam 26 ins . 95 25

No. 501-DEC-1025—Complete including base and shade ... 120 00

Stock and base crated; shades in cartons; shipping wt each about 28 lbs.

ELECTRIC CEILING FANS

GENERAL ELECTRIC CO.

Ceiling fans are universally employed in locations where the moving of a very large volume of air at a moderate velocity is desired. They are suitable for large offices, stores, restaurants, theatres, etc.

All numbers include insulating hanger ceiling canopy, ceiling hook with lag screw end and one set of four wooden blades.

PLAIN TYPE, FOUR BLADE

Alternating Current, Three Speed, Width 52 Inches.

All exposed metal parts green enameled; mahogany finished blades. Requires ¾ inch suspension pipe.

Nos.	44986	44987
Volts	110	220
Cycles	60	60
High Speed	225	225
Length over all, ins	54	54
Ship wt each, lbs	93	93
Each	126 45	+131 25
	$52 00	*54 00*

Direct Current, Three Speed, Width 52 Inches.

All exposed metal parts green enameled, mahogany finished blades. Requires ¾ inch suspension pipe.

Nos.	218178	34007	34008
Volts	32	110	220
High Speed	200	200	200
Length over all, ins	54	54	54
Ship wt each, lbs	97	97	97
Each	+126 45	+126 45	+131 25
	$52 00	*52 00*	*54 00*

One in wood box.

PLAIN TYPE FOUR BLADE

Alternating Current, Two Speed, Width 32 Inches.

All exposed metal parts green enameled; aluminum finished blades. Requires ½ inch suspension pipe.

Nos.	146236	146237
Volts	110	220
Cycles	60	60
Speed	250	250
Length over all, ins	54	54
Ship wt each, lbs	48	48
Each	97 35	+100 95
List Price, Each	*$50 00*	*41 50*

Direct Current, One Speed, Width 32 Inches.

All exposed metal parts green enameled; aluminum finished blades. Requires ½ inch suspension pipe.

Nos.	218176	146210	146211
Volts	32	110	220
Speed	400	400	400
Length over all, ins	54	54	54
Ship wt each, lbs	33	33	33
Each	+97 35	+97 35	+101 70
List Price, Each	*$40 00*	*40 00*	*41 50*

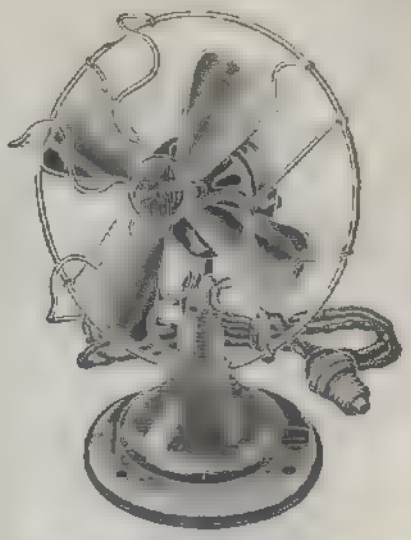
One in wood box.

+F. O. B. Ohio or Massachusetts Factories Only.

ELECTRIC FANS

STAR

Four Blades, Nickel Plated.



Highly nickel plated blades, guard, motor and base; Base equipped with felt pad. Fan is adjustable to any angle.

Complete with 6 feet of cord and seperable attachment plug.

NON-OSCILLATING, Three Speed With Universal Motor, For Alternating or Direct Current.

Nos.	R-8NP-110-U	R-10-NP110-U
Diam blade, ins	8	10
Voltage	110	110-125
Wt each, lbs	8	15
1 to 11, Each	22 50	27 00
12 to 24, Each	21 00	25 20
25 or more, Each	19 50	23 40
List, Each	*$10 00*	*12 00*

NON-OSCILLATING, Three Speed With Induction Motor, For Alternating Current Only.

Nos.	R-8NP-110-AC	R-10-NP110-AC
Diam of blade, ins	8	10
Voltage	110	110-125
Wt each, lbs	8	15
1 to 11, Each	22 50	27 00
12 to 24, Each	21 00	25 20
25 or more, Each	19 50	23 40
List, Each	*$10 00*	*12 00*

One in carton.

OSCILLATING, Three Speed.

Diameter blade 10 inches; voltage 110 to 125.

With Universal Motor For Alternating Or Direct Current.

No.	O-10-NP110-U
1 to 11, Each	33 15
12 to 24, Each	31 50
25 or more, Each	29 25
List, Each	*$15 00*

One in carton, wt each 15 lbs

With Induction Motor for Alternating Current Only.

No.	O-10-NP-110-AC
1 to 11, Each	33 75
12 to 24, Each	31 50
25 or more, Each	29 25
List, Each	*$15 00*

One in carton; wt each 15 lbs.

ELECTRIC PERCOLATORS

For 110 volts alternating or direct current. Each with cord and plug.

1H3155—Heavy nickel plated percolator with high grade seamless polished copper body. Highly polished wood handle and finial. Heating element will not burn out or warp. Made by "Hold Heat" manufacturers. 1 in box. Each **$2.98**

"Gold Seal"—12 in. high handled design percolator. Heavily nickel plated on copper body. Highly polished wood handle and finial. Guaranteed 2 years. 1 in box

1H3385—Single 1 or more Each **$3.10**
1H3386—10 cups 5 or more, Each **2.85**
Each **3.35**

1H3294—"Hold Heat"—Mfrs 58 8 cups, 11 in. high, seamless aluminum body, extra heavy nickel plated, seamless pitch well to turn out if run dry, wire top, knurled cover, sheathed handle and feet. Guaranteed 2 years. 1 in carton Each **$4.80**
6 or more, Each **4.33**

1H6781—(Mfrs 29022) "Hotpoint," paneled pot type, 11 in. high, 6 cups, aluminum body, nickel plated, seamless pitch well to turn out if run dry, wire top, knurled cover, sheathed handle, crowfoot pedestal, safety switch. 1 in box

Each **$11.72**
3 or more, Each **11.16**

ELECTRIC PERCOLATOR SETS

For 110 volts, alternating or direct current. Each with cord and plug.

1H4719—"Manning-Bowman," 4 piece, heavily plated copper body, Mendon pattern percolator 13½ in. high, 6 cups capacity, the gold lined sugar and creamer 14 in. long, 1 set in box

SET 4 pcs **$17.60**

1H4439—"Manning-Bowman" 4 piece, heavily plated copper body percolator 13½ in. high, gold lined sugar and creamer, 14 in. long, 1 set in box

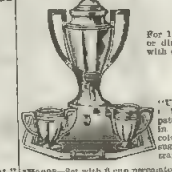
SET 4 pcs **$30.00**

1H4681—"Manning-Bowman" 4 piece, heavily plated copper body percolator 15 in. high, gold lined sugar and creamer, 14 in. long, 1 set in box

SET 4 pcs **$32.00**

1H4682 Percolator only Each **$17.50**

ELECTRIC PERCOLATOR SETS



For 110 volts alternating or direct current. Each with cord and plug.

"Universal"—4 piece heavy silver plated forging cup pattern percolator, 15½ in. high, gold lined colonial creamer and sugar, 10x18 in. colonial tray. 1 set in box

SET (4 pcs) **$26.80**

1H4698—Percolator only. Each **16.76**
box

1H5088—Set with 9 cup percolator SET 4 pcs **$31.32**

1H5087—Percolator only. Each **$17.43**
1 in box

ELECTRIC 5 PIECE TEA SET

For 110 volts, alternating or direct current. With cord and plug.

1H3661—5 pcs., 6 cup, tilting type tea pot on stand, high grade seamless copper, heavily nickel plated, silverplate trimmed, gold lined matched sugar and creamer, 12x17½ in. tray, phenolic finish handles. 1 set in box

SET 10 pcs **$25.85**

ELECTRIC FANS

You can get these famous electric fans right out of our stock without delay and at net bed-rock prices

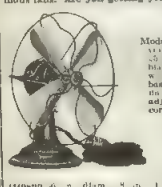
When ordering fans give voltage, whether alternating or direct current and number of cycles. Obtain this information from your electric light company

GUARANTEE—A guarantee tag is furnished with every fan. Any fan proving mechanically defective will be accepted for credit within 5 days of date of receipt of shipment and within one year for repair or replacement without charge. Fans should not be returned under this guarantee until application for return has been approved by us.

"Polar Cub" Electric Fans

Stationary Type

Every year shows a big increase in the sale of these famous fans. Are you getting your share of this business?

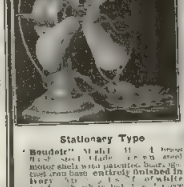


Model "B" stationary type, 16 inch alternating or direct current, 3 speed, 4 blade fan, 3 speed pull chain switch, heavy nickel plated finish, brass fan guard, brass motor shell, base and guard finished in oxidized black enamel, adjustable to any angle. 6 ft. cord and plug. 1 in box

1H3909—6 in. diam., 9 in. high, 4 blades. Retails at $4.00. 1 in box. Each **$3.00**
12 or more, Each **2.90**

1H3905—8 in. diam., 10 in. high, 4 blades. Retails at $5.00. 1 in box. Each **$3.75**
12 or more, Each **3.50**

"POLAR CUB" FAN



Stationary Type

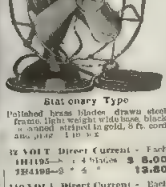
"Boudoir" Model "B"—4 brass blade steel blades, 10 inch steel motor shell with patented Boudoir design fan guard finished in ivory enamel. Set of white cord with silk tassel. Base enameled ivory.

110 VOLTS Alter or Direct Current—

1H3810—8 in. diam., 10 in. high, 4 blades. Retails at $7.50. 1 in box. Each **$5.95**
12 or more, Each **5.60**

"R & M" STANDARD DESIGN FANS
Made By Robbins & Myers

Oscillating fans equipped with propeller plate adjustment can be converted into stationary fans by slight adjustment of thumb screws.



Stationary Type

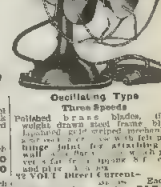
Polished brass blades, drawn steel frame, light weight, wide base, black enameled striped in gold, 6 ft. cord and plug. 1 in box

32 VOLT Direct Current—Each
1H1195—4 blades **$ 8.00**
1H4198—6 " " **13.80**

110 VOLT, Direct Current—Each
1H3406—12 " " **$15.80**

110 VOLT, Alternating Current—Each
1H6237—8 in., 6 blades **.38.00**
1H3413—12 " " **..18.80**
1H3414—16 " " **..21.60**

110 VOLT Alternating or Direct Current—
1H4222—9 in. Each **$12.00**



Oscillating Type
Three Speeds

Polished brass blades, light weight drawn steel frame, black japanned gold striped mechanical parts, equipped with felt pad hinge joint for attaching to wall or post. Fans with provision for hanging 8 ft. cord and plug. 1 in box

32 VOLT Direct Current—Each
1H4189—9 in., 4 blades **$17.10**
1H4190—12 " " **24.00**

110 VOLT, Alternating or Direct Current—Each
1H4194—9 in., 4 blades **$17.10**
1H3402—12 in., 4 blades **24.00**
1H3403—16 in., 4 blades **28.00**

110 VOLT, Alternating Current—Each
1H6238—10 in., 4 blades **$16.80**
1H3404—12 in., 4 blades **24.00**
1H3405—16 in., 6 blades **28.00**

"NORTHWIND" FANS

Polished brass blades, universal motor, starting switch in base, full swivel running feature, bronze bearings, 6 ft. cord and plug. Wire complete with socket in carton

1H3738

STATIONARY TYPE—110 volts, Alternating or direct current

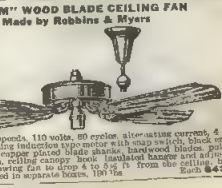
1H3738—8 in. diam., 2 speeds, 4 blades, 6 ft. cord. Each **$6.10**
12 or more, Each **5.80**

OSCILLATING TYPE—110 volts, alternating or direct current.

1H6234—10 in. diam., 3 speeds, 4 blades, 8 ft. cord. Each **$12.34**
12 or more, Each **11.88**

1H6234

"R & M" WOOD BLADE CEILING FAN
Made by Robbins & Myers



1H2177—56 in., 3 speeds, 110 volts, 60 cycles, alternating current, 4 wood blades, self-starting induction type motor with snap switch, black enamel finish oxidized copper plated blade shanks, hardwood blades, polished mahogany finish, ceiling canopy hook insulated hanger arm adjustable hanger rod allowing fan to drop 4 to 6 in. from the ceiling, blades and motor packed in separate boxes, 100 lbs. Each **$43.20**

It Is Easy to Order from Ward's. See Page 529

SAFETY RAZORS

GEM

VICTOR

Wood box, light buff artificial leather covered, purple velvet and satin lined. Brass, triple nickeled handle, frame and blade box.

Case size 4½x3¼x1½ inches.

No. 53V
Wt per doz, lbs 5½
Less than 3 doz, Per Doz $25 20
3 doz or more, Per Doz 24 00

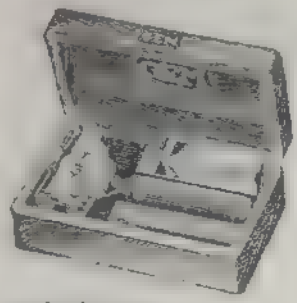
One in cardboard box; one doz in carton.

CONQUEROR

Art wood, rubbed to a piano finish, [illegible] nickeled trimmings. Brass triple nickeled handle, hard wood blade box.

Case sized [illegible]x1⅞ inches. Complete with 5 blades.

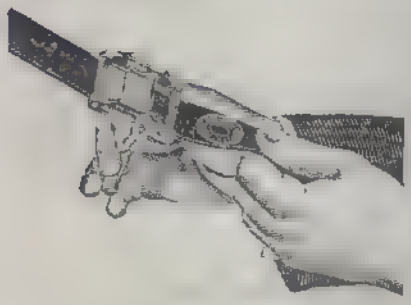
No. 51C
Wt per doz, lbs 6
Less than 3 doz, Per Doz $25 20
3 doz or more, Per Doz 24 00



One in cardboard box; one doz in carton.

STROP AND STROPPERS

GEM-AUTOMATIC



Straps automatically and efficiently. Operation is perfectly simple and restores the delicate blade edge to the original keenness in a hurry.

Made of brass, heavily nickel plated, without springs and delicate parts to get out of order. Genuine horsehide leather strop.

Per Doz

No. 3GAS—Length of strop 14 ins; width 1½ ins $39 00

One in cardboard box; wt per doz about 6 lbs.

SAFTY RAZOR BLADES

FOR GEM JUNIOR SAFETY RAZORS

No. 7GJ—Seven blades in a pkg.	Per Pkg
Single set	1 05
144 to 432 sets, one shipment	99
432 sets and up, one shipment	93
List	$0 5

24 pkgs in carton; wt per carton 2¼ lbs.

SAFETY RAZORS

GILLETTE NEW IMPROVED TYPE

The new improved Gillette safety razors fitted with the fulcrum shoulder and overhanging cap provide straight edges acting on the blade to produce an adjustable short flexure which results in a straight and extremely rigid shaving edge in all positions of adjustment.

NEW STANDARD

Genuine leather covered case; purple velvet and satin lined.

New improved razor with 12 double edged blades. Metal blade box.

	Each
No 40S -Triple silver plated	11 25
	$5 00
No. 40SG—Gold plated	13 50
	6 00

One in cardboard box; wt each ½ lb.

TUCKAWAY

Metal case purple velvet and satin lined. New improved razor with 12 double edged blades. Metal blade box. A small compact set.

	Each
No. 43T—Triple silver plate	11 25
	$5 00
No. 43TG—Gold plated	13 50
	6 00

One in cardboard box; wt each ½ lb.

BOSTONIAN

Metal case, purple velvet and satin lined, opening of cover automatically raises tray containing razor and blade box. New improved razor with 12 double edged blades. Metal blade box.

	Each
No. 41B -Triple silver plated	11 25
	$5 00
No. 41BG—Gold plated	13 50
	6 00

One in cardboard box; wt each ½ lb.

RICHWOOD

Wood case, mahogany finish; New improved razor with 12 double edged, blades. Metal blade box.

	Each
No. 42R Triple silver plated	11 25
	$5 00
No. 42RG -Gold plated	13 50
	6 00

One in cardboard box; wt each ½ lb.

SAFETY RAZORS

GILLETTE NEW IMPROVED TYPE

BIG FELLOW

Gum wood case with soft lusterless finish, velvet lined. New improved razor with 12 double edged blades. The razor is twice as heavy as any other model of Gillette. Takes same size blade. Triple silver blade box.

	Each
No. 1 BFS—Triple silver plated	11 25 *$5 00*
No. 1BFG—Gold plated	13 50 *6 00*

One in cardboard box; wt each ½ lb.

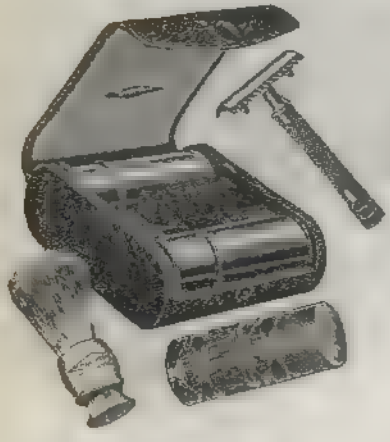
ARISTOCRAT

Imitation ivory case, purple velvet and satin lined. New improved razor with 12 double edged blades. Imitation ivory blade box to match.

	Each
No. 2AG—Gold plated	13 50 *$6 00*

One in cardboard box; wt each ½ lb.

GILLETTE TRAVELER SILVER



Genuine leather case, purple velvet and satin lined. New improved razor, shaving brush and stick of Gillette shaving soap in metal containers. With 12 double edged blades. Metal blade box.

	Each
No. 00—Triple silver plated	16 86 *$7 50*

One in cardboard box; wt each ½ lb.

GILLETTE TRAVELER GOLD

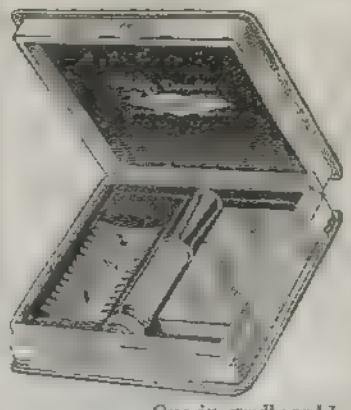
Genuine leather case, purple velvet and satin lined. New improved razor, shaving brush and stick of Gillette shaving soap in metal containers. Indestructable metal mirror 3¼x3¼ in. fitted into pocket in cover. With 12 double edged blades. Metal blade box.

	Each
No. 17G—Gold plated	22 50 *$10 00*

One in cardboard box; wt each ½ lb.

SAFETY RAZORS

GILLETTE OLD TYPE



MILADY DECOLETTE

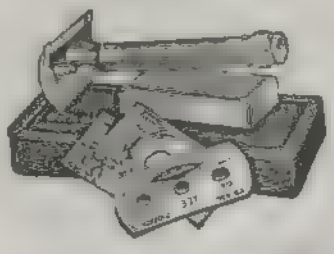
French ivory case, old rose velvet and satin lined, with friction cover; size 3½x3⅛ inches.

	Each
No. 3MOR—Set consists of gold plated safety razor of dainty size; 12 blades in gold plated holder	13 50 *$6 00*

One in cardboard box; wt each ½ lb.

SHAWMUT SET

Two tone green case, velveteen lined. Paneled cover with attractive gold body. Heavily gold plated razor and blade box with two double edged blades. Size case 4⅛x2x⅞ inches.



No.	$6-1
1 to 50, Each	2 10
50 to 99, Each	1 95
100 or more, Each	1 88
List, Each	*$1 00*

One in cardboard box; wt each ¼ ozs.

SAFETY RAZOR BLADES

GILLETTE "NEW PROCESS"

For all Gillette Safety Razors. All blades wrapped in wax paper.

	Per Pkg
No. M—10 blades in paper box	2 25 *$1 00*
No. P—5 blades in paper box	1 13 *50*

German Blades for Gillette Razors. Per Doz

No. 12GG—12 blades in paper box $1 26

No. P 20 pkgs in carton; No. M, 10 pkgs in carton; No. 12GG 12 pkgs in carton.

Decorative All Glass Novelty Electric Lamps

A REAL ACHIEVEMENT IN THE GLASSMAKERS ART

Electric Bulbs Not Included

DESIGNED TO LEND A TOUCH OF THE UNUSUAL

Each Lamp an Exceptional Value. Sure to draw the Crowds and Pay Liberal Profits

Imported All Glass Electric Boudoir Lamp. 12½ inches high. Shade and base artistically decorated with landscape design, winter scene in natural colors. Wired complete with socket, cord and plug.

No. 2C181. Each..... 3.75

Imported All Glass Electric Boudoir Lamp. 13½ inches high. Water and landscape design, artistically decorated in natural colors. Wired complete with socket, cord and plug.

No. 2C183. Each..... 4.50

Imported All Glass Electric Boudoir Lamp. 12 inches high. Shade and base of bright red glass. Oriental scenic decoration. Wired complete with socket, cord and plug.

No. 2C182. Each..... 3.75

Electric Owl Lamp. 8½ in high, all glass, embossed and tinted in natural colors, black glass base. Wired complete with socket, cord and plug. Very ornamental and useful. Each in box, 6 in shipping carton.

No. 2C161. Each 2.25

Electric Fruit Basket Lamp. 7½ inches high, all glass basket and fruit embossed tinted in natural colors, black glass base, wired complete with socket, cord and plug. Makes a very attractive center piece. Each in box. 6 in shipping carton.

No. 2C189. Each 2.50

"Pretty Polly" Electric Lamp. [illegible] inches high, all glass, embossed and beautifully colored in natural tintings, black glass base. Sheds a soft mellow light. Wired complete with socket, cord and plug. Each in box. 6 in shipping carton.

No. 2C162. Each 3.00

Electric Boudoir Lamps

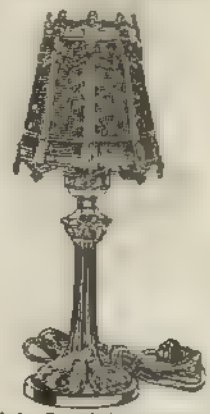
Electric Bulbs are not included with Lamps

.... Portable Reading Lamp

Portable Reading Lamp. Heavy metal base, brush brass finish, adjustable shade, which permits light being thrown wherever desired. Can be used as a desk or table lamp. Each in box.

No. 2C45.

Each .... 1.10 | Per dozen 12.75



Electric Boudoir Lamp. Fancy design, cast metal base and shade, ivory finish, silk lined shade, height 12 inches. Fitted with cord, socket and screw plug. Each in box.

No. 2C137.

Each ... 1.75 | Per dozen 19.50

Electric Boudoir Lamp, 11 inches high. Cast metal base fitted with key socket, cord and plug, finished in **Ivory** or **Oxydized Silver** finish. Complete with 4¼ inch silk mull shade, braid trimmed in assorted colors: Rose, blue and gold. Each in box.

No. 2C185. Oxydized Silver Base

Each .... 1.25 | Per dozen 13.50

No. 2C186. Ivory Finish Base.

Per dozen 13.50 | Each 1.25

"Crinoline Girl" Electric Boudoir Lamp. Artistically designed; cast metal base and shade, finished in Ivory and Polychrome parcho lined shade. Wired complete with key socket, cord and plug. Height 12 inches. Each in box

No. 2C196.

Each . 1.75

Per dz. 19.50

Luster Vase Electric Boudoir Lamp and Shade. Height over all 10¼ ins. Glazed pottery vase lamp in **Black luster** finish, completely wired with socket, cord and plug. Furnished with 5½-inch silk mull shade, braid trimmed, in assorted colors, rose, blue and gold. Each in box.

No. 2C195A.

Per dozen 13.50 | Each 1.25

Electric Boudoir Lamp 14½ inches high. Oxydized silver finish, cast metal base, fitted with key socket, cord and plug. Complete with 7 inch silk mull shade braid trim, assorted colors, rose blue and gold. Each in box

No. 2C187.

Per doz 22.50 | Each 2.00

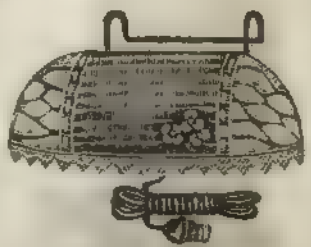
Electric Bed Lamps

Electric Bed Lamp. Oval shape, size 10x6¼ inch piece of imported satinella material, shirred all around, trimmed with velvet ribbon, fancy tinsel braid and ribbon flower. Assorted colors, rose baby blue and gold. Wired complete with socket, cord and plug, covered wire hangers

No. 2C188. Each..... .90

Electric Bed Lamp. Fancy shape, 10½ in. long, 6¾ in. deep, made of georgette, shirred, trimmed with gold tinsel net and braid, fancy ribbon flower in center, lined with satinella. Assorted colors, gold, rose, blue, orange orchid and putty. Wired complete with socket, cord and plug, covered wire hangers

No. 2C189. Each . 1.75



Electric Bed Lamp. Torpedo shape, size 12 in. long, made of georgette, shirred in center, both corners trimmed with lace, lined with sateen, edge finished with gold tinsel braid, ribbon flower in center. Completely wired with socket, cord and plug, covered wire hangers. Assorted colors, rose, gold, blue, orange, orchid and putty

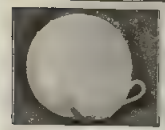
No. 2C190. Each..... 2.00

CROCKERY—No Package Charge

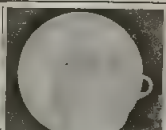
When you compare prices, remember we make no package charge

"CABLE" WHITE WARE

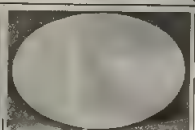
Semi-vitreous, white glaze standard shapes, sizes, from well known potteries producing the best grade of American semi-porcelain, run of kiln (R. K.) selection. Open stock, sold in any quantity.



OVIDE TEAS—
E10005—Cup and saucer, DOZ (24 pcs) **$1.48**

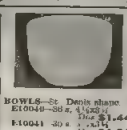


ST. DENIS COFFEES—Large handled standard sizes.
E10010—Cup and saucer
DOZ (24 pcs) **$1.80**
E10011—Cup only Doz **1.26**
E10012—Saucer .. **.62**

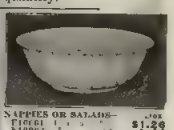


DISHES OR PLATTERS—

		Doz
E10050— 6 in.	sct. 5¼	$1.26
E10051— 7 "	" 6¼	1.44
E10052— 8 "	" 7¼	1.80
E10053— 9 "	" 8¼	3.52
E10054—10 "	" 9⅜	3.24
E10056—12 "	" 10⅜	5.40

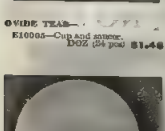


BOWLS—St. Denis shape
E10040—3½ x 1⅝ in. Doz **$1.44**
E10041—4½ x 2 in. " **1.80**
E10042—5¼ x 2⅜ in. " **2.16**

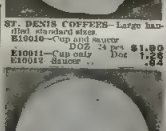


NAPPIES OR SALADS—

		Doz
E10061	4 in.	$1.26
E10062	5 "	1.44
E10063	6 "	1.80
E10064	7 "	2.16
E10065	8 "	3.24
E10066	9 "	4.32
E10067	10 "	5.40

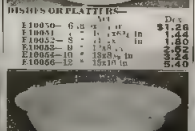


ST. DENIS TEAS—(Regular coffee, but 40 called teas) Handled, 11 oz
E10060—Cup and saucer
DOZ (24 pcs) **$1.48**
E10061—Cup only Doz **1.00**
E10064—Saucer **.48**



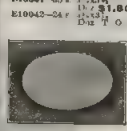
PLATES—

		Doz
E10020	4 in. sct. 6½	$0.72
E10021	7 " " 8¼	.97
E10022	8 " " 9¼	1.08
E10023	9 " " 10¼	1.53
E10025—Soup	7 in. sct. 9	1.53
	Doz	**$1.35**

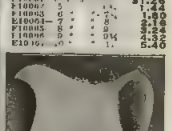


BAKERS

E10034— 5 in.	sct. 6¼ in.	$1.44
E10035— 6 "	" 7¼ "	1.80
E10036— 7 "	" 8¼ "	2.16
E10037— 8 "	" 9⅜ "	3.24
E10038— 9 "	" 10⅜ "	4.32

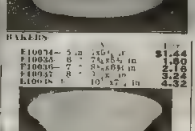


FRUIT DISHES—
E10090—4 in., sct. 4⅞
Doz **80c**

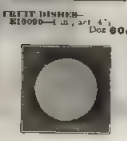


JUGS—

		Doz
E10080—4¾ x 5¼ in. high		$2.16
E10081—5¾ x 6¼ "		2.52
E10082—6¾ x 7 "		2.88
E10083—7¾ x 7½ "		3.60
E10084—8¾ x 9 "		4.68
E10085—9¾ x 9¾ "		7.20



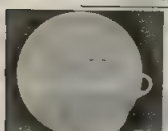
OATMEAL—
E10055 6 in. Doz **$1.20**



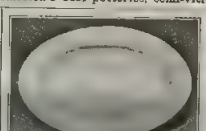
BUTTER Individual), also salt or celery dip
E10088 3¾ in. Doz **30c**

"PERFECTION" WHITE WARE

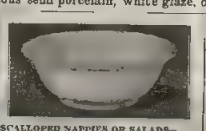
Made by America's best potteries, semi-vitreous semi porcelain, white glaze, open stock



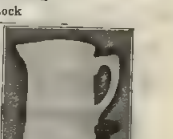
ST. DENIS TEA (Regular coffee, but 40 called tea), handled, 11 oz. standard sizes
E10030—Cup and saucer
E10031—Cup only Doz **$1.48**
E10032—Saucer only " **1.04**
Doz **.52**
ST. DENIS COFFEES — Large, handled standard sizes
E10210—Cup and saucer,
DOZ (24 pcs) **$2.00**
E10211—Cup only Doz **1.38**
E10213—Saucer, " **.85**



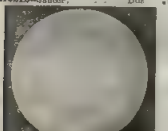
PLATTERS—
E10230— 6 in., sct. 5¼ Doz **$1.33**
E10231— 7 " " 6¼ " **1.52**
E10232— 8 " " 7¼ " **1.90**
E10233— 9 " " 8¼ " **2.28**
E10234—10 " " 9⅜ " **3.42**
E10235—11 " " 10⅜ " **4.56**
E10236—12 " " 11⅜ " **5.70**
E10237—14 " " 13⅜ " **8.00**



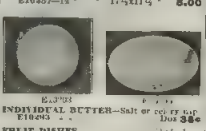
SCALLOPED NAPPIES OR SALADS—
E10261 4 in., sct. 5¼ Doz **$1.32**
E10262— 5 " " 6¼ " **1.52**
E10263— 6 " " 7¼ " **1.90**
E10264— 7 " " 8 " **2.28**
E10265— 8 " " 9 " **3.42**
E10266— 9 " " 10⅜ " **4.56**
E10267—10 " " 11 " **5.70**



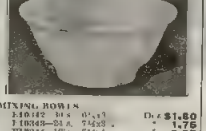
HALF ROUND DISHES
E10298 [illegible] Each Doz **$4.35**
E10299 [illegible] " **6.85**



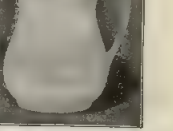
PLATES
E10220 4 in. sct. 6¼ Doz **$0.78**
E10221— 5 " " 7 " **.86**
E10222— 6 " " 7¼ " **1.05**
E10223— 7 " " 9 " **1.20**
E10224— 8 " " 9¼ " **1.62**
E10225—Deep 7 in., sct. 9¼ " **1.40**



INDIVIDUAL BUTTER—Salt or celery dip
E10263 " Doz **$.36**
FRUIT DISHES—
E10290 4 in., sct. 4⅞ in. Doz **$0.87**
E10291 5 " " 5¾ " " **.67**
ICE CREAM DISH—
E10277—4½ in. Doz **.62c**

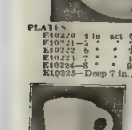


MIXING BOWLS
E10342 [illegible] Doz **$1.80**
E10343—[illegible] " **1.75**
E10344—[illegible] " **2.85**
E10345—[illegible] " **3.80**
E10346—[illegible] " **6.50**
E10347—[illegible] " **8.00**

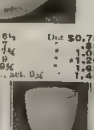


MUGS—

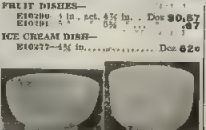
		Doz
E10249	3¾ in. sct. 5¼ in. high.	$2.28
E10251	3⅝ " " 5¾ "	2.63
E10253	3⅝ " " 6¼ "	3.00
E10257—[illegible]	" " 7¼ "	3.60
E10259	[illegible] " " 8¼ "	5.40
E10285	[illegible] " " 9¾ "	7.48



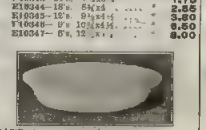
COFFEE MUG — Handled
E10276— 3½x3¼ in. Doz **$1.90**



DOUBLE EGG CUP
E10249 4½ x 2½ in. Doz **$1.33**

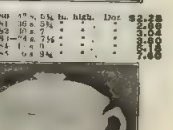


E10245 E10240
OYSTER BOWLS—
E10245—3½ x 5¼x2¾ Doz **$1.52**
E10246—3½ x 6¼ " **1.90**
ST. DENIS BOWLS—
E10240—3½ x 5¼x2¾ Doz **$1.52**
E10241—3½ x 6¼x3 " **1.90**
E10242—3½ x 7½x3½ " **2.30**



BAKERS—

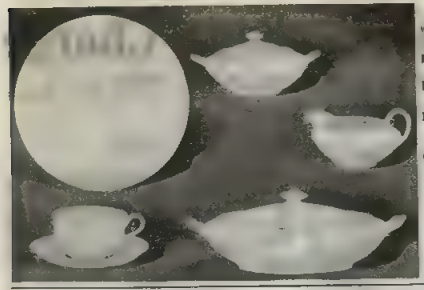
		Doz
E10230—3½ in., sct. 6¼		Doz $1.33
E10231— 3 " " 5½x2¾		1.33
E10232—4 " " 7½x3½		"
E10233—5 " " 7½		1.56
E10234— 6 " " 7¾x3¼		1.90
E10235—7 " " 9¼x3½		2.28
E10236—8 " " 10¼		3.42
E10237—9 " " 11 x 5		4.56
E10238—10 " " 11¾x5		5.70



CHAMBERS 9"—
E10283 Covered Doz **$9.12**
E10284 Open " **8.56**

"NATIONAL" PURE WHITE SEMI-PORCELAIN

National China Co. product, body glazed well fired pure white body, hollow pieces, light weight, fancy handles, plain attractive model. No Package Charge.



DINNER SETS

E10894—31 piece set.
Shipping weight about 30 lbs. SET, **$2.30**

E10890—42 piece set.
Shipping weight about 40 lbs. SET, **$3.60**

E10896—50 piece set.
Shipping weight about 50 lbs. SET, **$4.90**

E10891—97 piece set.
Shipping weight about 85 lbs. SET, **$9.50**

E10893—100 piece set. Shipping weight about 90 lbs. SET, **$10.20**

OPEN STOCK—Sold In Any Quantity

CUPS AND SAUCERS—
E10800—Tea cup, 2½ in. saucer 5½ in. Doz. 84 pcs. **$2.25**
E10802—Oxide 3½x2½ in. saucer 5¾ in. Doz. 84 pcs. **$1.60**
E10805—Oxide 3½x2½ in. saucer 5¾ in. Doz. 84 pcs. **$1.60**

PLATES—

	Ast.	Doz.
E10810—4 in.	6	$0.75
E10811—5 "	7	.85
E10812—6 "	8	1.05
E10813—7 "	9	1.30
E10814—8 "	9½	1.60
E10815—Coupe soup, 7 in.	act. 7	Doz. $1.30
E10816—Deep soup, 7 in.	act. 6	Doz. $1.35

BAKER—
E10824—7 in. act. 9½ Doz. **$2.20**
BOWLS—
E10830—30's Doz. **$1.50**

SALAD—
E10852—7 in. act. 9 Doz. **$2.20**
PLATTERS—

	Ast.	Doz.
E10843—8 in.	11	$2.00
E10845—10 "	13	3.65
E10847—12 "	15	6.00

FRUIT—
E10860—4 in. act. 5½ Doz. **.58**
CREAMER—
E10878—30's Doz. **$2.20**

COVERED SUGAR—
E10871—8½ in. Doz. **$4.50**
COVERED BUTTER with cover—
E10876—7½ in. Doz. **$6.75**
INDIVIDUAL BUTTER—
E10879—3½ in. Doz. **.38**
COVERED DISH—oval
E10880—7 in. Doz. **$7.80**
CASSEROLE—Round
E10885—7 in. Doz. **$8.00**
SAUCE BOAT—
Without stand.
E10855—5 in. Doz. **$3.00**
PICKLE DISH—
E10886—6½ in. Doz. **$2.20**

"GOLDEN ROSE" "K. T. & K." trademarked, light weight, pure white semi-porcelain, new artistic shape, second selection. Large gold stamped rose sprays, open stock. NO PACKAGE CHARGE

DINNER SETS

E23990—42 piece set.
Shipping weight about 50 lbs. SET (42 pcs) **$4.60**

E23996—50 piece set.
Shipping weight about 60 lbs. SET (50 pcs) **$6.25**

E23993—100 piece set.
Shipping weight about 90 lbs. SET (100 pcs) **$12.75**

For composition of sets see bottom of page

OPEN STOCK—Sold in any quantity

CUPS AND SAUCERS—
E23900—American tea 3½x2 saucer 5½ in. Doz. **$0.90**
E23902—Victory tea 3¼x2, saucer 6 in. Doz. Tray Unit

PLATES—

E23910	4 in.	act. 6¼ lb.	Doz. **$0.90**
E23911	5 "	" 7½ "	" **1.00**
E23912	6 "	" 8¾ "	" **1.25**
E23913	7 "	" 9 "	" **1.60**
E23914	8 "	" 9½ "	" **1.80**
E23915	Deep 7 in.	act. 9 lb.	" **1.80**
E23917	Coupe, 7 in.	act. 8½ lb.	Doz. **$1.60**

BAKER—
E23924 7 in. act. 9½ lb. Doz **$3.20**
BOWLS—
E23931—8½'s Doz **$2.20**
DISHES—
E23942—7 in., act. 11 lb. Doz **$2.70**
E23943—8 " " 11½ " " **3.20**
E23945—10 " " 13½ " " **4.40**
E23947—12 " " 16½ " " **6.10**
SAUCER—
E23952—7 in. act. 8½ lb. Doz **$2.70**
FRUITS—
E23960—4 in. act. 5¾ lb. Doz **$0.68**
OATMEALS—
E23966—36's Doz **$1.40**

CREAMER—
E23970—30's Doz **$2.65**
SUGAR BOWL—
E23977 Doz **$5.40**
COVERED BUTTER—
E23978—½ lb. Doz **$8.10**
COVERED DISH—
E23980—7 in. act. 9½ lb. Doz **$9.45**
CASSEROLE—
E23984—7 in. act. 8½ lb. Doz **$10.80**
SAUCE BOAT—
E23985—6¾x3¾ in. Doz **$3.80**
PICKLE DISH—
E23986—6¾x4 in. Doz **$1.80**

"CAPITOL" "HOMER LAUGHLIN" trademarked, light weight white semi-porcelain, highly glazed new shape, gold band edges, gold ornamented handles. NO PACKAGE CHARGE

DINNER SETS

E11890—42 piece set.
Shipping wt. about 40 lbs. SET (42 pcs) **$5.20**

E11896—50 piece set.
Shipping wt. about 50 lbs. SET (50 pcs) **$7.25**

E11893—100 piece set.
Shipping wt. about 90 lbs. SET (100 pcs) **$14.95**

For composition of sets see below

OPEN STOCK—Sold in Any Quantity

CUPS AND SAUCERS—
E11800—Tea cup, 2½ in. saucer 5½ in. Doz. 84 pcs **$2.25**
E11802—Oxide 3½x2½ in. saucer 5¾ in. Doz. 84 pcs **$2.25**

PLATES—

E11810	4 in.	act. 6	Doz. **$1.10**
E11811	5 "	" 7	" **1.20**
E11812	6 "	" 8	" **1.50**
E11813	7 "	" 9	" **1.80**
E11814	8 "	" 9½	" **2.30**
E11816	Deep soup, 7 in.	act. 9	" **1.80**
E11817	Coupe soup, 7 in.	act. 8½	Doz. **$1.95**

BAKERS—
E11824—7 in. act. 8¾x6¾ Doz. **$3.30**

BOWLS—
E11830—30's Doz. **$2.30**
E11831—36's " **2.75**

PLATTERS—
E11842—7 in., act. 10½ Doz. **$2.40**
E11843—8 " " 11 " **2.75**
E11845 10 " " 13½ " **4.95**
E11847—12 " " 16¾ " **8.25**

SALADS—
E11852—7 in. act. 8½ Doz. **$3.30**
FRUIT—
E11860 4 in. act. 5¾ Doz. **85c**
OATMEAL—
E11865 36's Doz. **$1.75**
CREAMER—
E11870—30's Doz. **$3.30**

COVERED SUGAR—
E11877—8½ in. Doz. **$6.60**
INDIVIDUAL BUTTER—
E11879—3½ in. Doz. **$0.55**
COVERED BUTTER—
E11876—7½ in. Doz. **$9.90**
COVERED DISH—Oval
E11880—7 in. Doz. **$11.50**
CASSEROLE—Round
E11885—7 in. Doz. **$13.25**
SAUCE BOAT—
E11855—7¼x3¾ in. without stand. Doz. **$4.40**
PICKLE DISH—
E11886—8¾x5¼ in. Doz. **$1.80**

Composition of Our Dinner Sets

31 Piece Set

6 tea cups, 6 plates, 7 in.
6 saucers, 6 fruits, 4 in.
6 plates, 4 in. 1 platter, 8 in.

WE SHALL GIVE YOU QUOTATIONS ON ANY SET YOU THINK YOU CAN SELL.

42 Piece Set

6 tea cups. 1 bowl, 8½ in.
6 saucers 1 platter 8 in.
6 plates, 4 in. 6 fruits, 4 in.
6 plates, 6 in. 1 cover, sugar (3 pcs.)
6 plates, 7 in. 1 creamer.
1 baker, 7 in.

50 Piece Set

6 tea cups. 1 pappy 7 in.
6 saucers. 1 bowl 10½
6 plates, 4 in. 1 dish, 10 in
6 plates, 6 in. 1 creamer
6 plates, 7 in. 1 cover, sugar (3 pcs.)
6 coupe soups. 1 cover dish (2 pcs.)
6 fruits, 4 in.

100 Piece Set

12 tea cups. 12 fruits, 4 in.
12 saucers. 1 cover, sugar (3 pcs.)
12 plates, 4 in. 1 creamer
12 plates, 5 in. 1 butter dish (3 pcs.),
12 plates, 7 in. 1 casserole (2 pcs.)
1 coupe soups, 1 cover, dish, 7 in.
1 baker, 7 in. 1 sauce boat (2 pcs.),
1 platter, 10 in. 1 pickle dish.

BASE BALL GOODS

GOLDSMITH

FIELDERS' GLOVES

MODEL XL

MODEL XL

Carl Mays model, made of drab buff horsehide Full leather lined with tan leather welted seams. Well padded in the thumb, heel and little finger. Laced wrist for adjusting padding. Leather lacing feature between thumb and forefinger.

	Wt. each	Each
Model XL	¾ lb	$8.00

MODELS B AND B-FR

MODELS B AND B-FR

Pat Duncan Model, an extra large glove. Made of golden brown horsehide. Very soft and pliable. Leather lined throughout, with welted seams. Correctly padded. Laced wrist Padding can be adjusted as required.

	Wt each	Each
Model B	1 lb.	$7.00
Model B-FR as model B, but full right hand		7.00

MODLES G AND G-FR

MODEL G AND G-FR

Christy Mathewson Model. A rather broad, long fingered glove of drab, buff horsehide. Full kid lining. Strongly stitched olive leather, welted seams and binding. Lightly padded. Laced wrist

	Wt. each	Each
Model G	1 lb.	$6.00
Model G-FR as model G, but full right hand	1 lb.	6.00

No. 69

Chas. J. Hollocher Model A generous sized glove of best quality, smoked buff horsehide, lined with soft kid. Tan leather, welted seams and binding. Leather laced wrist. Correctly padded

No.	Wt. each	Each
69	⅞ lb.	$6.00

No. 69

NOS. 68 TO 50

No. 68

Max Carey Model, of genuine selected, tan cowhide, with full, soft, kid lining. Black leather welted seams and binding. Deep ball pocket. Leather laced wrist.

No.	Wt. each	Each
68	¾ lb.	$5.00
68-FR	As No. 68, but full right.	5.00

No. 67

Genuine soft, oiled tanned cowhide. Leather lined palm and welted seams. Well padded for instant use. Laced wrist. A large and serviceable model.

No.	Wt. each	Each
67	¾ lb.	$5.00
67-FR	as No. 67, but full right	5.00

No. 50

Full and roomy, heavy cream horsehide. Welted seams. Leather lined palm. Correctly padded with felt to make a natural pocket. A glove that has the right feel.

No.	Wt. each	Each
50	⅝ lb	$4.00

No. 43

No. 43

Made of special grade, buff chrome tanned glove leather. Correctly padded with felt and has full leather lining. Natural ready-broke pocket. No padding in the palm.

No.	Wt. each	Each
43	⅝ lb.	$3.50

Note:—Gloves for left handed players are lettered FR and called full right.

All above, one only in a box.

BASE BALL GOODS

GOLDSMITH

FIELDERS' GLOVES

NOS. 37 AND 34

No. 37

A good size model of good quality cream horsehide. Leather lined palm. Welted seams, correctly padded with felt to make a natural pocket. Full laced wrist.

No.	Wt. each	Each
37	½ lb.	$3.50

No. 34

Made of strong, genuine horsehide. Leather welted seams. Palms lined with good grade leather. Well padded with flexible felt. Full laced wrist.

No	Wt. each	Each
34	½ lb	$3.00

NOS. 29 TO 27-FR

No. 20

Large sized glove of good quality white glove leather. Welted seams. Palm, leather lined. Felt padding

No.	Wt. each	Each
29	⅝ lb.	$3.00

No. 27

Amateur sized glove of buff chrome tanned leather. Palm lined with good quality black leather. Best felt padding. A serviceable glove.

No.	Wt. each	Each
27	¾ lb.	$2.50
27-FR as No. 27, but full right		2.50

No. 20

Medium size outseam pattern. Made of tan glove leather, with leather palm. Felt padded. White binding.

No.	Wt. each	Each
20	½ lb.	$2.25

Above, one only in a box

NOS. 17 AND 14

Youth's size glove with strong glove leather throughout. Kid lined palm. Correctly padded with felt.

No.	Wt. each	Each
17	2½ ozs.	$1.50
17-FR as No. 17 but full right		1.50

No. 14

A leather glove for the small boy with leather palm, cloth back, well padded with felt.

No.	Wt. each	Each
14	2½ ozs.	$1.00

Twelve in a box.

Note:—Gloves for **left handed** players are lettered FR and called **full right.**

CATCHERS' MITTS

MODEL CM

Chief Meyers Model. Moulded scoop shape of selected tan water-proof elkhide. Special pad of asbestos felt and flexible cowhide. Will absorb pounding of the fastest pitching. Full laced edge. Patent finger grips and wrist protector.

	Wt. each	Each
Model CM	2¼ lbs.	$16.00

MODEL M

Walter Schmidt Model Lightweight, well constructed of chocolate cowhide. Scoop shape pattern, high grade asbestos felt padding. Full laced edge for adjusting padding. Has patented wrist protector which prevents chafing.

	Wt. each	Each
Model M	2¼ lbs	$12.00

MODEL WC

Model WC — Bill Killifer. Finest quality of golden brown cowhide. Back and fingers of best quality grain leather. Thin edge scoop model Fits the hand snugly and is light in weight. Asbestos felt pad. Full laced edge. Goldsmith patented wrist protector prevents chafing and keeps the glove from turning

Model	Wt. each	Each
WC	2¼ lbs.	$10.00

Above, one only in a box.

FIELDERS' GLOVES—Goldsmith

George Burns Model. Genuine, Oil Tanned Cowhide. Leather Lace Between Thumb and Forefinger (Patented November 13, 1923). Leather Welted Seams and Binding. Lined Throughout with Leather. Full Laced Wrist. Well Padded in Thumb and Heel. Each
No. 73—(Retail $6.00)..... **$4.00**
One in a box.

Max Carey Model. Genuine Selected Tan Cowhide. Strongly Stitched Leather Welted Seams and Binding. Leather Laced Wrist. Metal Eyelets. Full Kid Lining. Correctly Padded. Each
No. 68—(Retail $6.00)..... **$3.33**

National League Model. A Full Sized Glove of Major League Design and Construction. Heavy Cream Horsehide with Olive Kid Lining. Strongly Stitched Leather Welted Seams and Binding. Leather Laced Wrist. Metal Eyelets. Padded to Form a Natural Ball Pocket. Each
No. 50—(Retail $4.00)..... **$2.67**
One in a box.

A Liberal Sized Glove of Selected Strong Cream Glove Leather with Full Kid Lining. Leather Welted Seams and Binding. Leather Laced Wrist. Metal Eyelets. Well Padded. Each
No. 37—(Retail $3.00)..... **$2.00**

Fine Quality Tan Glove Leather. Leather Welted Seams and Binding. Laced at Wrist with Leather Lace. Metal Eyelets. Kid Lined Throughout. Correctly Padded. Each
No. 32—(Retail $3.00)..... **$2.00**
One in a box.

"The Bear Cat". A Sturdy, Substantial and Well Made Glove. Good Quality Genuine Horsehide with Leather Welted Seams. Leather Lined Palm Laced at Wrist. Each
No. 27X—(Retail $3.00) **$1.95**
One in a box.

Tan Glove Leather, Medium Size. Leather Lined Palm. White Leather Welted Seams. White Binding. Felt Padded. Each
No. 20—(Retail $2.25) **$1.50**
One in a box.

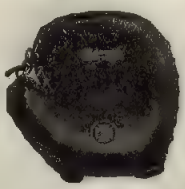
Black Glove Leather with White Leather Welted Seams. Black Binding. Leather Lined Palm. Well Padded.
Each
No. 19—(Retail $2.00) **$1.33**
One in a box.

Youth's Size. Glove Leather Throughout. Kid Lined Palm. Correctly Padded.
Each
No. 17—(Retail $1.50) **$1.00**
One in a box.

BASEMEN'S MITTS—Goldsmith

Patented "Finger Grip" Model Palm and Fingers of Genuine Tan Cowhide with Full Kid Lining. Goldsmith Patented "Finger Grips" (Patented October 24th, 1916) Which Prevent the Mitt from Turning. Ready-Broke Ball Pocket. Full Rawhide Laced Edge. New Model Panel Back with Deep Vent and Special Lacing Feature Which Makes the Glove Fit Closely and Snugly
Each
No. 145—(Retail $6.00) **$3.95**

Goldsmith Special. Made of Genuine Oil Tanned Cowhide. Full Kid Lining. Padded to Form a Deep Ball Pocket. New Model Panel Back with Deep Vent and Special Lacing to Hold the Glove in Place. Leather Lace Between Palm and Thumb to Adjust the Depth of the Pocket. Laced Edge.
Each
No. 132—(Retail $5.00) **$3.33**
Drab Horsehide Front and Fingers with Leather Lining. Black Leather Laced Edge. Correctly Padded. Goldsmith Patented Wrist Protector. Each
No. 128—(Retail $4.00) **$2.67**



Medium Size, Pearl Chrome Tanned Leather Front and Fingers. Back of Black Mitten Leather. Laced Edge. Buckle and Strap at Wrist. Well Padded.
Each
No. 123—(Retail $3.00) **$1.95**

Palm and Fingers of Good Quality Mitten Leather, Khaki Back. Well Padded. Laced Wrist. Buckle and Strap.
Each
No. 114—(Retail $2.25) **$1.50**

FIELDERS' GLOVES

REACH

Made of Genuine Black Horsehide. Full Leather Lining. All Seams are Leather Welted. Wide Little Finger Model. Improved Laced Heel. An Exceptional Value.

No. 59—Retail $2.50 Each
Each **$1.75**
One in a box.

Made of Pearl Horsehide. Well Padded. Full Leather Lining. Welted Seams. The Laced Wrist Allows Change or Adjustment of Padding.

No. 10X—Retail $2.00 Each
Each **$1.40**
One in a box.

Made of Good Quality Genuine Black Horsehide. Felt Padding. Leather Palm Lining. Leather Binding. Regulation Men's Size.

No. 56—Retail $1.50 Each
Each **$1.15**
One in a box.

A Large Size Youths' Model. Made of Genuine, Pearl Horsehide. Felt Palm Padding, Leather Palm Lining. A Real High-Grade Glove.

No. 53—Retail $1.50 Each
Each **$1.00**
One in a box.

Tan Glove Leather. Youths Size. Khaki Lined with Leather Palm. Medium Padded Heel. Deep Pocket.

No. 4G—Retail $1.00 Each
Each **70c**
Six in a box.

Boys' Size. Brown Glove Leather. Felt Lined Palm with Padded Heel. Outseam Model. Strong and Practical.

No. 24—Retail 50c Each
Each **37c**
Six in a box.

BASEBALL GUIDES

REACH

The Reach Official American League Base Ball Guide and Rule Book Contains all You Want to Know About Base Ball. Complete Record of All Leagues. Full Account of the Famous World's Series between the "Giants" and the "Yankees." Illustrations Showing All Major and Minor League Clubs. The Only Guide Containing Up-to-date Rules and Complete History of the Game.

No. BBG—Retail 35c Each ..... Each **25c**

REACH MASKS

The Frame is Made of One Solid Piece of Light Weight, Special Composition Metal, Guaranteed to Withstand any Shock or Blow of Ordinary Use. A Particular Feature is the Light Weight, this Mask Being Lighter than the Average Professional Style of Wire Frame Construction. Greater Expanse of Vision is Possible and Less Shadow in the Catcher's Eyes. Fitted with the Reach Special Full Length Face Padding. These Pads are Laced to the Frame and Can be Removed or Adjusted as May be Required.

No. JP—Retail $13.50 Each
Each **$9.75**
One in a box.

Professional Model. Finest Tempered Steel Wire. Double Frame with Cantilever Reinforcement Wires. This Model Embodies the "Spitter" and Open Vision Features. Sides Extended to Protect the Ears. Pads are Adjustable by Means of Strap and Buckle Fastenings. The Strongest Wire Mask Made.

No. 6W—Retail $8.00 Each
Each **$5.35**
One in a box.

Diamond Special Model. Heavy Steel Wire. Constructed to Embody Superior Strength and to Include the "Spitter" and Open Vision Features. Adjustable Pads and Head Straps.

No. 400—Retail $6.00 Each
Each **$4.00**
One in a box.

Club Special. Made of Tempered Steel Wire. Reinforced Joints. Open Vision Feature. Adjustable Leather Pads and Adjustable Head Straps. Equipped with Removable Transparent Sun Shade.

No. 20S—Retail $5.00 Each
Each **$3.50**
One in a box.

Association. Extra Strength Steel Wire. Welded Joints. Open Vision Model. Fitted with Removable Sun Shade. Adjustable Pads and Head Straps.

No. 30S—Retail $4.00 Each
Each **$2.75**
One in a box.

FRYING PANS

ACME

NOS. 00 TO 6

POLISHED

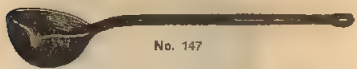
Pressed steel. Tin covered cold handle, one piece.

No.	Size.	Wt. per 100	Per 100
00	6 x1 3/8 in.	50 lbs.	$18.35
0	8 x1 3/4 in.	92 lbs.	28.35
1	8 1/2 x1 3/4 in.	108 lbs.	31.65
2	9 1/4 x1 7/8 in.	117 lbs.	37.50
3	10 x1 7/8 in.	142 lbs.	44.15
4	10 1/2 x2 in.	158 lbs.	47.50
5	11 x2 in.	183 lbs.	54.15
6	12 x2 1/8 in.	217 lbs.	69.15

Three in a bundle.

WROUGHT IRON LADLES

REGULAR

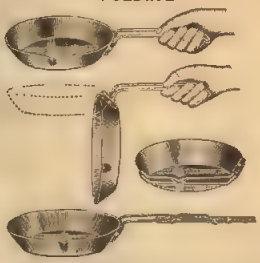


No. 147

No.	Size	Wt. per 100	Per 100
147	2 1/2 in.	54 lbs.	$50.00
	3 in.	62 lbs	55.00
	3 1/2 in.	75 lbs	60.00
	4 in.	83 lbs.	65.00
	4 1/2 in.	92 lbs.	70.00
	5 in.	112 lbs	76.65
	6 in.	158 lbs.	89.20

Loose

FOLDING



NOS. 32 TO 35

Made of heavy cold rolled steel, folding handle. Indispensible for campers, prospectors and stockmen. Operation of handle is very simple and so arranged that it can be lengthened by inserting a square stick inside of it.

No.	Size	Wt. each	Each
32	9x1 7/8 in.	1 lb.	$0.80
34	10x1 3/4 in.	1 1/4 lbs.	.90
35	12x2 in.	1 1/2 lbs.	1.10

Loose.

MINERS' GOLD PANS

NOS. 41 TO 22

American iron. Pressed from one piece. Seamless.

No.		Diameter	Wt. each	Each
41	Plain	16 1/4 in.	2 lbs.	$1.00
42	Polished	16 1/2 in.	2 lbs.	1.10
22	Polished	12 in.	1 3/4 lbs.	1.20

Loose.

MELTING POTS

No. 2907

Cast iron.

No.	Diameter	Wt. each	Each
2907	5 in.	3 3/4 lbs.	$1.20
	6 in.	5 lbs.	1.50
	8 in.	9 1/4 lbs.	2.70
	10 1/2 in.	15 3/4 lbs.	4.20

Loose.

MORE THAN A MERE DOG ACT

GORDON'S DOGS

FRESH FROM EUROPEAN TRIUMPHS

FEATURING UNHEARD OF ACROBATIC AND GYMNASTIC FEATS
INTERMINGLED WITH SNAPPY COMEDY FOR THE KIDDIES

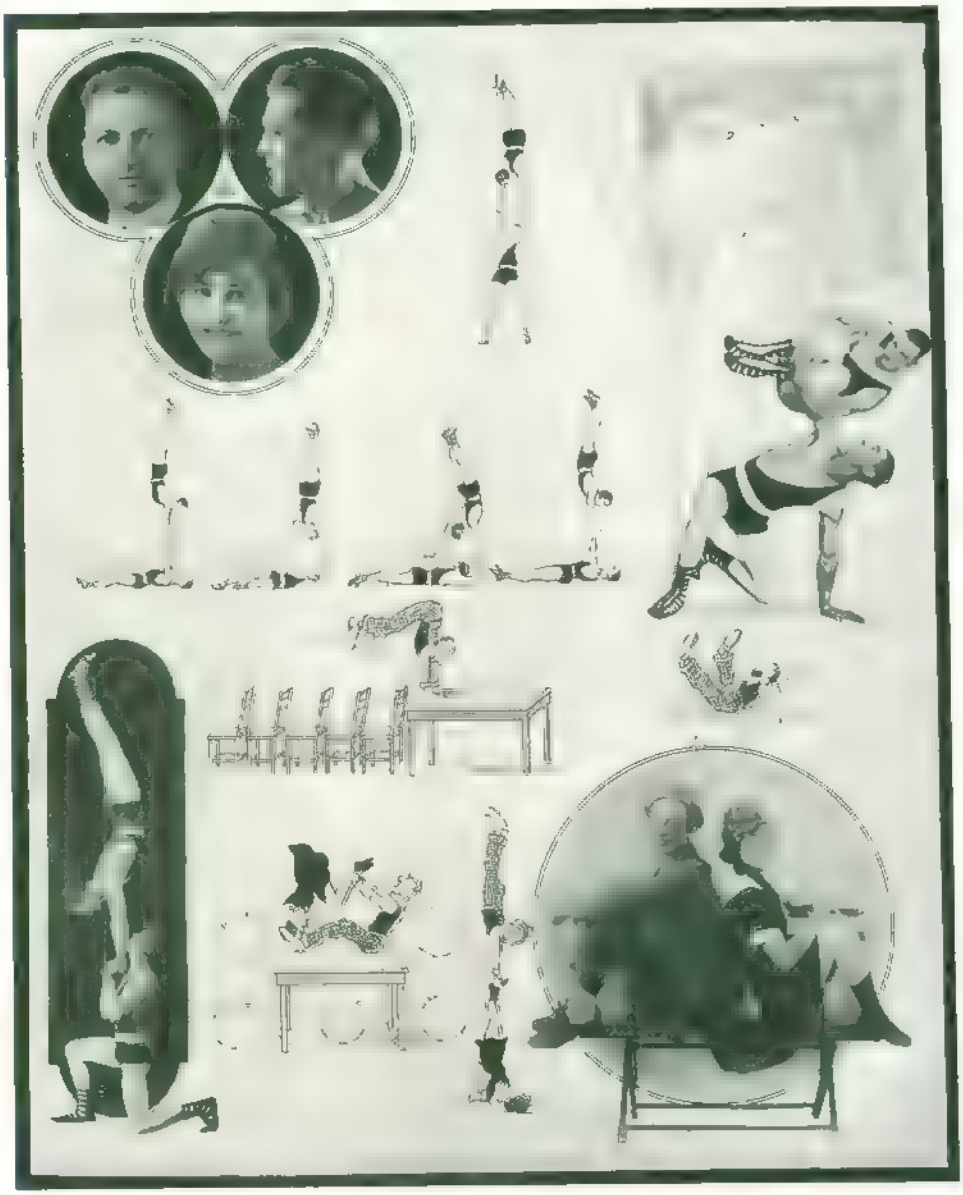
Intricate Evolutions by Canine Enthusiasts

EVERY ACT *IN THIS CATALOG CONTROLLED EXCLUSIVELY* BY **WORLD AMUSEMENT SERVICE ASSOCIATION, Inc.**
"SERVICE and SATISFACTION"

EVERY SECOND CROWDED WITH ACHIEVEMENT

LAVINE, WATERS & CO.

FINISHED ATHLETES IN VERSATILE GYMNASTICS

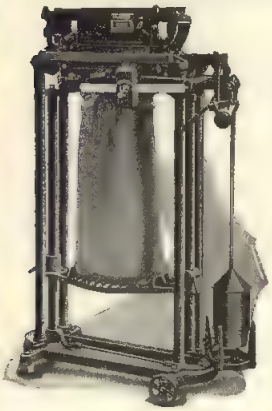


THEIR SECOND ACT, KNOWN AS

MICHAEL AND MAE

DAINTY LITTLE WOMAN—LAUGH COMPELLING COMEDIANS
A CLEVER DISPLAY OF IRRESISTIBLE DROLLERIES
NIMBLE NONSENSE, JOLLITY AND FUN

EVERY ACT IN THIS CATALOG CONTROLLED EXCLUSIVELY
BY WORLD AMUSEMENT SERVICE ASSOCIATION, Inc.
"SERVICE and SATISFACTION"



PORTABLE AUTOMATIC WEIGHER

The Portable Automatic Weigher is designed for accurate sacking of wheat, rice, barley, malt, seeds, or any free flowing material directly from bins to bags, barrels or packages.

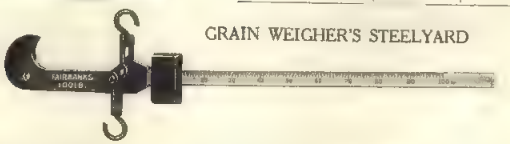
One man can sack more material with this Automatic Weigher than two or three by hand methods. An Automatic Counter is provided which counts the sacks or packages without any attention from the operator. Can be equipped with type-registering counter when so ordered at an additional price.

The scale is provided with an adjustable platform which may be raised through a range of 35 inches to suit the size of the package used. The speed of the scale can be regulated to suit the operator for various materials. Heavy grain can be handled at the rate of 200 sacks per hour. The size of bag or package that can be weighed varies from 10 lbs. to 200 lbs.

A small auxiliary hopper, 18 x 10 inches and 6 inches deep, must be provided between the bin spout and the scale.

Portable Automatic Weigher

No.	Capacity Range	Head Room Required	List Price
1991.....	10 to 200 lbs.	5' 10"	$480.00



GRAIN WEIGHER'S STEELYARD

Verified and approved by the Government to be used in check weighing threshing machine discharges in connection with automatic registers or tallies.

A Fairbanks Steelyard of this type should be in every thresherman's possession.

Capacity 100 lbs. x ½ lbs.

No. 10112 .....Price $8.00

COMBINATION GRAIN BEAMS

The Combination Grain Beam is designed for weighing grain in bushels the entire amount being indicated on the beam. The upper bar is graduated by 100 lbs. and marked with the graduations for wheat, flax, barley and oats.

The fractional graduations are on the small auxiliary side beam, and the tare is taken care of by the lower beam.

6-ton pattern Graduations

Main Bar ..	1st Row	12,000 lbs x 100 lbs.	
	2nd "	200 Bu. x 1 Bu.	Wheat
	3rd "	214 " x 1 "	Flax
	4th "	250 " x 1 "	Barley
	5th "	333 " x 1 "	Oats
Fractional Bar..		100 lbs. x 1 lbs.	
Tare Bar.....		1000 lbs. x 2 lbs.	

6 ton Combination Grain Beam—Price.. $175.00
10 " " " " " .. . 175.00

10-ton pattern Graduations

Main Bar..	1st Row	20,000 lbs. x 100 lbs.	
	2nd "	333 Bu x 1 Bu.	Wheat
	3rd "	357 " x 1 "	Flax
	4th "	416 " x 1 "	Barley
	5th "	588 " x 1 "	Oats
Fractional Bar.....		100 lbs. x 1 lb	
Tare Bar.....		2500 lbs. x 5 lbs.	

Grain and Flour Scales

ALL-METAL BAGGING SCALE

with extra step platform

This scale is especially adapted for convenient and accurate bagging of all materials of any net bag weight up to 500 lbs. The beam is mounted on agate bearings for fine sensitiveness and fitted with a latch poise which will lock in any desired position on the beam.

The platform is designed to lie practically flush with the floor, being only slightly raised to hold an iron framework with two natural wood platforms to allow of convenient weighing of the smaller sacks of material. These platforms may be readily reversed or removed altogether, leaving the regular iron platform beneath for larger loads.

The scale is made of metal throughout, built strong to withstand the pound of packing material into sacks on the platform. The single, *arrow-tip* beam is of brass, graduated 25 x ½ lbs , fitted with small tare bar graduated 26 oz. x ¼ oz., to balance the container so that the *net* weight of material may readily be obtained. The following counterpoise weights are supplied with the scale, adapting it for any standard sacking weights:—24, 24½, 25, 48, 49, 50, 98, 100, 110, 140, 196, 200, 220, 280 lbs.

Durably finished in black and well varnished for protection.

All-Metal Bagging Scale with Extra Step Platform

No	Capacity	Beam	Platform	List Price
1070	500 lbs.	25 x ½ lbs	18″ x 27″	$117.00

Note.—In the platform size above, the first figure is the dimension parallel with the beam.

SELF-CONTAINED WITH FOOT LEVER

The design of this scale is somewhat like the one above, to set with platform flush with the floor so that barrels and sacks may be easily loaded and unloaded. In addition, the scale is arranged with a foot lever mechanism to relieve the bearings and levers from the jar and shock of loading and unloading. For either operation, the scale is in the position shown above, with the platform firmly at rest upon the framework beneath. For weighing, the foot lever is depressed, thus raising the platform to its free weighing position.

The platform is of iron with a circular rise in the middle to help center the barrel and sack loads for greater accuracy of weighing. A wooden shelf is placed part way up the pillar, well braced to hold weights or to serve for recording purposes.

The beam is of nickel-plated steel, graduated 25 x ½ lbs. and fitted with brass latch poise to lock at any notch. A small tare bar may be furnished to balance the weight of sacks, on special order at an additional price. Weights are supplied to indicate 25, 49, 98, 140, 196 and 280 pounds respectively, to weigh all standard barrel and sack loads.

Durably and attractively finished in blue and gold, all well varnished for protection.

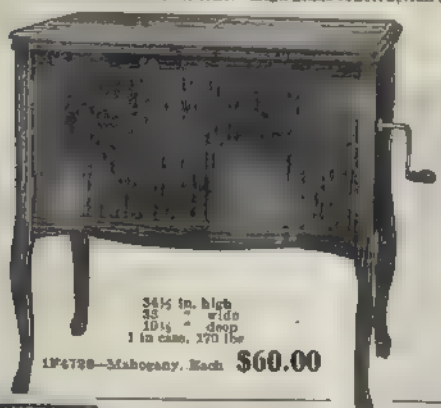
Self-contained, with Foot Lever

No	Capacity	Beam	Platform	List Price
1072	600 lbs.	25 x ½ lb	20″ x 28″	$130.00

Note.—In the platform size above, the first figure denotes dimension parallel with the beam.

"GRAND OPERA" PHONOGRAPHS

UNIVERSAL TONE ARM—Plays all records without extra attachments. High grade double spring motor, speed control and brake. Automatic shut off. 12 in. turntable. 5 ply veneer cabinet and 3 ply wood tone chamber producing superior volume and clearness of tone. High grade construction throughout.



34½ in. high
33 " wide
19½ " deep
1 in case, 270 lbs

1F4738—Mahogany. Each **$60.00**

34½ in. high
40 " wide
22 " deep
1 in case, 180 lbs

1F4731—Mahogany
1F4734—Walnut
Each **$87.00**

43 in. high
1 in case, 145 lbs

1F4706—Brown mahogany Each **$60.00**
45 in. high. 1 in case, 150 lbs
1F4721—Brown mahogany Each **$62.00**

Polished Steel Phonograph Needles, non-runnable. 100 needles in envelope. 1M (10 envelopes) in box.
1F4735—Loud ..... Per M 48c
1F4736—Medium ..... Per M 46c

Polished steel phonograph needles, "Wall-Kane," assld. medium, loud, extra loud. 50 needles in pkg., 6 doz. pkgs. on display stand.
1F4737—Assld (5 doz. pkgs. **$3.50**

RADIEX RECORDS

10 In. Double Disc

No less than 10 records sold of one title or assorted titles

50 or more, Each 28c

10 or more **25c** Each

NEW! Fox Trots

1F12770 — Ukulele Lady, Fox Trot—
Both Sides
I'm Broke—
Pacific Coast Players

1F12780 — Who, While Away Girl—
Nothing To Do But Be Blue
Cosmopolitan Orch

1F12750 — Midnight Waltz, Waltz—
Dreamy Moon
Cosmopolitan Dance Orch

1F12740 — Don't Bring Lulu Back—
Fox Trot
Keep It Under Your Hat—
Original Memphis Five

1F12720 — Yearning Just for You—
Cosmopolitan Orch.
Easy to Please—
Fox Trot
White Way Orch

1F12710 — You and I Secret Seven—
On the Village Green
Big City Six

1F12690 — When the One You Love Loves You—
Fox Trot
In the Japanese Garden—
International Orch.

1F12680 — Cheating on Me—
Fox Trot
Cosmopolitan Orch
Rabbit Hop—
Pacific Coast Players

1F12670 — I'll See You in My Dreams—
Waltz
Metropolitan Orch
Underneath the Mulberry Tree—
Fox Trot
Pacific Coast Players

Popular Vocal

1F21870 — Don't Bring Lulu Back—
Lull and Ryan
O'Leahy's Lullaby—
Arthur Hall, and Orch

1F21860 — If You See That Girl of Mine Send Her Home—
Fox Trot—Arthur Hall
There I Found a Time
Arthur Hall with Orch

1F21850 — Swanee Butterfly—
Fox Trot with Orch
Farewell My ...
Oh How I Miss You Tonight, No. X
I Think of You
Lull and Ryan

1F21840 — Oh Katharine Darling
Oasis Two Step
Oh Those Eyes
Lull and Ryan

1F21870 — Peaches—
Archfield

Fox Trots

1F12700 — Tiuna—Broadway Music Masters
Rose Lee—
Original Memphis Five

1F12860 — Will You Remember Me
Cosmopolitan Orch
Arabella, Will You Dance Orch

1F12650 — I Can't Stop Raving 'Bout You—
Big City Six
Crazy About Love, Big City Six

1F12640 — Oh Mabel—
Music Masters
Taint No Use—
International Dance Orch

1F12630 — Mahanay Round—
Cosmopolitan Dance Orch
John Henry Blues—
Southland Five Nine

1F12620 — O Katharina—
Cosmopolitan Dance Orch.
Draggin' the Dragon—
Cosmopolitan Dance Orch

1F12610 — Tell Her in the Springtime—
Waltz
White Way Orch
Big Brown Eyes—
Pacific Coast Players

1F12600 — With You—
Big City Six
Because They All Love You—
Univ. Dance Orch

1F12590 — Pals—
Big City Six Sextet
No Wonder That I Love You
Pacific Coast Players

1F12580 — Indian Love Call—
Cosmopolitan Dance Orch
Hawaiian Tarrol
International Dance Orch.

1F12570 — Copenhagen—
International Dance Orch
Mexican Twist
Cast Iron Serenaders

1F12480 — Tea for Two
Oriental Night
International Dance Orch.

1F12450 — Doo Wacka Doo—
Cardinal
Spanish Sauce
Serenaders

1F12430 — Me and The Boy Friend—
Waltz
After You've Passed Me By—Me
Again—Fox Trot—Dance Orch

1F12410 — Mandy—
Cary Society Seven
Dance With Me—
Florida Harmony Kings

1F12400 — Nightingale—
Ocean Melodrama
Cosmo Music Masters

1F12380 — Rose Marie—
Fox Trot
Love Me—
Cosmopolitan Dance Orch

1F12370 — A New Kind of Man—
My Heart Is Crying for You
Cosmopolitan Music Masters

1F12280 — Red Hot Mama—
Memphis Five
Dixie Blues—
Cosmopolitan Dance Orch

1F12250 — Doodle Doo Doo—
Little Bit of Jazz—
Mobile Melody Makers

1F12200 — Driftwood—
Cardinal Players
I Must Have Company
Cosmo. Music Masters

1F12070 — What'll I Do—
Mobile Melody Makers
Cocoanut Dance—
Banjo Solo, Van Eps

Waltzes

1F12730 — Listening—
Metropolitan Orch
Good Bye—Ain't Always Game
Pacific Coast Players

1F12400 — Blue Danube Waltz—
Estudiantina Waltz—
International Virginia Orch

1F12380 — Sweet Senorita—
The Pal That I Loved Stole The Gal That I Loved
Cotton Blossom Orch

1F12350 — Dreamer of Dreams—
Golden Moon—
International Dance Orch

1F12160 — Memory Lane—
Maytime—
Hotel Sheridan Orch

Standard

1F40440 — Marcheta—Castilian Serenaders
Valse Brillante

1F40380 — Sleep Baby Sleep—Yodel Song.
Roll On, Silvery Moon—Yodel
Brook & Green

1F40040 — Flanagan in a Restaurant—
Flanagan's Married Life—
Sam Porter

1F40030 — Button Buster—
The Laughing Record
Flanagan On A Trolley Car—
Sam Mon-roe-Porter

1F40030 — Flanagan's Second Hand Car—
Cora Monogram, Steel Porter
Fly and Si and the Line Fence—
Steve Porter and Billy James

Hawaiian

1F40370 — La Paloma—Spanish Love Duet
Kawaihau Tears—Hawaiian Francolin

1F40440 — Three O'clock in the Morning—
Hawaiian Guitar Duet
Waikana Waltz—
Ferera and Franchini

1F40490 — Pua Carnation—
Hilo March—Ferera and Franchini

1F40210 — My Old Kentucky Home—
Ferera and Franchini

1F40230 — U Like No-A-Like—Guitars
Maui Aloha—Ferera and Franchini

1F40090 — Honolulu Rag—
One Two Three—Ferera and Franchini

1F40700 — Makin Maia-ealoha—
Kawaii Ferera and Franchini

1F40040 — Kaimoki mcha March—Guitars.
Aloha Oe—Ferera and Franchini

Concert Band

1F40280 — Stars and Stripes Forever—
American Republic March
Conductor Harry Bandl

1F40220 — Washington Post March—
Conductor Harry Bandl

1F40300 — Up The Street March—
The Thunder Marche—
Lucca Grand Band

1F40160 — Irish Jigs and Reels—
Irish Jig—Scotch Reels—
Grand Band

1F40050 — Scenes Descriptive Marches—
Scenes Ragtime Selections—
Grand Band

Instrumental

1F40480 — Traumerei—Violin Solo—
Melody in F
Ivan Chenski

1F40340 — Swanee River Old Folks at Home)
Serenade—Violin Solo—
Borschoff

1F40270 — Meditation from Thais—
Minuet—Violin Solo—
Chenski

1F40150 — Dixie Medley—
Medley of Southern Airs—
Banjo Solo—Fred Van Eps

1F40150 — Souvenir—Violin Solo
Humoresque—
Ivan Chenski

Sacred

1F40460 — Nearer My God To Thee—
Quartette
The Lord Is My Shepherd—
James Moore & Helen Dickinson

1F40450 — Lead Kindly Light—
Joy to the World—
Stellar Quart.

1F40210 — Holy Night, Peaceful Night—
Hark the Herald Angels Sing—
Ogden Quartette

1F40190 — Onward Christian Soldiers—
Adeste Fidelis—
Stellar Quart.

1F40120 — Holy, Holy, Holy—
Rock of Ages—
Cathedral Quart.

Popular Vocal

1F21810 — Let It Rain, Let It Pour—
Underneath the Spalding Moon—
Litchfield and Orch.

1F21800 — I'll See You in My Dreams—
Litchfield and Orch.
Come Back to California—
Hall and Ryan

1F21790 — I'm Gonna Tramp, Tramp, Tramp—Arthur Hall with Orch.
What Would You Say—
Litchfield with Orch.

1F21780 — Leave Me Linger in Your Arms—
Hall and Ryan
After a Tear Comes a Smile—
Litchfield and Orch

1F21760 — Let Me Be The First to Kiss You—
Hall and Ryan
Some Sweet Day
Mr. "X" with Orch.

1F21730 — Arabella—Mr. "X" with Orch.
Me and The Boy Friend—
Hall and Ryan

1F21740 — At the End of the Road—
If I Had Somebody Like You—
Hall and Orch

1F21730 — Bombay Mr. "X" and Orch
My Kid—Mr. Lucien Wilson with Orch

1F21780 — Blue Eyed Sally—Mr. X
Just Like You—Archie Hall

1F21710 — I'm Tired—Hall and Ryan
I'm Lonesome For a Lonesome Girl—Hall with Orch

1F21690 — How Do You Do—Archie Hall and John Ryan
At the Opera House—Mr. X

1F21660 — All Alone—Hall and Orch
When We Were Sweethearts—
Coming Thru the Rye—
Mr. X and Orch

1F21650 — Yearning for You—Hall and Orch
Where The Old Wabash Flows—Mr. X with Orch

1F21640 — So Long Mary—Lucien Wilson with Orch
The Country Doctor and the Rube Patient—
Mr. Lucien Wilson and Orch

1F21630 — The Pal That I Loved Stole The Gal That I Loved—
Beyond the Clouds—
Hall and Orch.

1F21580 — I Wonder What's Become of Sally—Mr. X with Orchestra
Lone Trail Rose—
Hall and Orch

1F21570 — Old Pal of Mine—Arthur Hall with Orch
Dixie Sigh—Hall and Orch

1F21560 — Red Hot Mama—Hall with Orch
You Know Me Alabam'—
Jack Mason

1F21540 — What Does The Parson Say—Mason
When She Says Me—Mason
I'll Wait for You—Hall and Orch
The Village Postmaster—Mason
Dixie Sigh—Mr. X & Sally Long

1F21460 — What'll I Do—
Somewhere With Someone—
Arthur Hall with Orch

Standard Vocal

1F40370 — The Rosary—Ogden Orch.
The Heart Bow'd Down—
Dreamland Orch

1F40320 — Habanera, Carmen—Wakefield
Home to Our Mountains—
Trovatore—Trio Hall Hart

1F40010 — Star Spangled Banner—
America (My Country 'Tis of Thee)—Stellar Quartette

1F40310 — Love's Old Sweet Song—
In The Gloaming—Stellar Quart.

1F40490 — Carry Me Back to Old Virginia—
Amy Stewart with Orch.
Old Black Joe—Stellar Quart.

1F40430 — When You and I Were Young, Maggie—Music Masters Trio
Silver Threads Among The Gold—
Operatic Trio

1F40170 — Sally In Our Alley—
Come Landers—Stellar Quartette

1F40420 — Mother Machree—Reese Davis
Low Back'd Car—John Burke

Blues

1F70130 — Texas Squeeze—Man O'Mine—
Four O'clock Blues—
Original Memphis Five

1F70160 — Blue Hoosier Blues—
Blinky Winky—
Majestic Dance Orch.

NEW! Fox Trots

1F12770 — Ukulele Lady, Fox Trot—
Both Sides
I'm Broke—
Pacific Coast Players

1F12780 — Who, While Away Girl—
Nothing To Do But Be Blue
Cosmopolitan Orch

1F12750 — Midnight Waltz, Waltz—
Dreamy Moon
Cosmopolitan Dance Orch

1F12740 — Don't Bring Lulu Back—
Fox Trot
Keep It Under Your Hat—
Original Memphis Five

1F12720 — Yearning Just for You—
Cosmopolitan Orch.
Easy to Please—
Fox Trot
White Way Orch

1F12710 — You and I Secret Seven—
On the Village Green
Big City Six

1F12690 — When the One You Love Loves You—
Fox Trot
In the Japanese Garden—
International Orch.

1F12680 — Cheating on Me—
Fox Trot
Cosmopolitan Orch
Rabbit Hop—
Pacific Coast Players

1F12670 — I'll See You in My Dreams—
Waltz
Metropolitan Orch
Underneath the Mulberry Tree—
Fox Trot
Pacific Coast Players

Popular Vocal

1F21870 — Don't Bring Lulu Back—
Lull and Ryan
O'Leahy's Lullaby—
Arthur Hall, and Orch

1F21860 — If You See That Girl of Mine Send Her Home—
Fox Trot—Arthur Hall
There I Found a Time
Arthur Hall with Orch

1F21850 — Swanee Butterfly—
Fox Trot with Orch
Farewell My ...
Oh How I Miss You Tonight, No. X
I Think of You
Lull and Ryan

1F21840 — Oh Katharine Darling
Oasis Two Step
Oh Those Eyes
Lull and Ryan

1F21870 — Peaches—
Archfield

1F4901—Consists of 20 ten inch "Radiex" records (40 selections) of the best selling pieces of dance music including the following songs because They All Love You
With You
No Wonder That I Love You
Pals
Indian Love Call
When You and I Were Seventeen
Sun of the Morning Star
Peter Pan, I Love You
Wonderful Girl
Honest and Truly.
I Want You
O Ba-ba-ya
Let Me be the First to Kiss You Good Morning
Some Sweet Day
I Love That Girl
Underneath the Spalding Moon.
Me and the Boy Friend
Arabella
Dragging the Dragon
Hawaiian Paree
Retail price $7.00
Your mark-up on cost over 50%, $3.40
Assortment, 20 records **$4.60**

NOVELTY JEWELRY

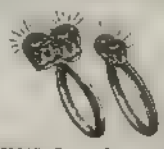
Watch these pages for early listing of all the NEW things

NOVELTY RINGS—Plain and Fancy Settings

Attractive Cloth Lined Boxes

This is shows the cloth lined tray used in the 3 or 6 dozen packing of rings listed on this page

J2000—6 styles, gold plated bar, faceted and 3 heart cut ruby, emerald, sapphire topaz and aquamarine solitaire settings plain and fancy. Assd styles and sizes. 6 doz. in lined display tray. Doz 69c Gro $7.75



J2010—2 styles, gold plated burnished and antique finish and oblong raised twin stone setting assd sizes. Assd 3 doz. in lined display tray. Doz 69c Gro $7.75

J2019—3 styles, platinoid and gold plated finish, fancy shaped shank and engraved shank. Sham ruby and sapphire style single setting assd sizes. Assd 3 doz. in lined display tray. Doz 79c

J2035—3 styles, belcher mounting, engraved and plain shank, round square and octagon cut brilliant ruby, sapphire, emerald and topaz cut style settings. Assorted sizes. Assd. 3 doz. in lined display tray in box Doz Out

J2037—Non-tarnishable platinoid finish, large closing cut and polished amethyst ruby topaz cut and sapphire style settings, pierced prong mountings. Assorted sizes. Assd. 3 doz. in lined tray in box Doz Out

J2004—Assd. styles and sizes gold plated and rose shell burnished, 3 and 5 brilliant ruby sapphire topaz and emerald cut style fancy mountings. Assd. 6 doz. in velvet lined display tray. Doz 69c

J3023—4 styles, oval, square, rectangular and oblong shapes, highly polished finish, pierced and embossed mounting, giving prominence to stone. Assd. 3 doz. in tray Doz 69c

J2025—2 styles, Sham ruby and brilliant style jewels in silver plated basket set mounting with embossed shank. Assd 4 doz. in lined velvet display tray Doz 84c Gro $9.50

J2020—2 styles, platinoid finish scroll embossed shank, black, blue and red inlaid enamel effect, 1 doz. of a style, 1 style with basket setting assd sizes Assd 3 doz. in lined display tray. Doz 89c

J2021—Platinoid finish, embossed panel effect shank, fine quality brilliant style setting with 4 ruby, sapphire and brilliant style settings in shank Assd sizes. 3 doz. in lined tray Doz 89c

J2016—2 styles, burnished platinoid finish fancy and conventional embossed designs, red, blue, lavender, orange and dark blue enamel inlays, brilliant set centers. Assd 3 doz. in velvet lined display tray Doz 79c

J2060—New design, embossed shank. English gold plated and platinoid finishes with inlays of jet enamel, assd. Sham ruby and one quality Dentelle brilliant settings. Assd. 3 doz. in velvet lined display tray Doz 79c

Platinoid Finish

Latest cut jewel style settings with brilliant centers. Attractive mountings—copies of popular style high grade jewelry

J2024 — Platinoid finish, square embossed setting and shank, aquamarine, ruby sapphire, amethyst, emerald and topaz cut jewel styles with brilliant center setting. Assd 3 doz. in velvet lined tray Doz **89c**

J2033—Platinoid finish, novelty 4 prong raised mount for 9 m/m cut effect amethyst, topaz, aquamarine, ruby, sapphire and aquamarine styles. 2 brilliants set in embossed shank. Assd. 1 doz. in tray Doz **$1.95**

J2041 — Non-tarnishable fancy embossed platinoid finish mounting belcher style, large brilliant settings, emerald, sapphire and ruby jewel. Assorted sizes. Assd. 3 doz. in lined tray in box Doz Out

J2011—Orange blossom design, 5 narrow band wedding rings, embossed shank. Platinoid finish with 7 brilliant set stones. Assd sizes. 2 doz. in display tray. Doz **$1.25**

BABY RING ASSORTMENT

J2036 — 6 styles gold shell, 2 year guarantee 14k gold finish current fancy embossed, jewel tops and plain bands. Assd 4 doz. in tray Doz **79c**

STERLING SILVER NOVELTY RINGS

New fancy mountings with highly polished cut jewel style settings. Each ring stamped "Sterling."

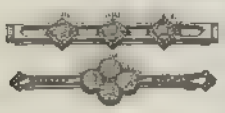
J2029—Sterling silver, burnished embossed shank ruby, emerald, topaz, amethyst, aquamarine, sapphire and opal styles in box settings. Assd 1 doz. in velvet lined tray Doz **$1.95**

J2036—Sterling silver, fancy embossed and pierced floral scroll shank with highly polished cut jewel style setting, assd ruby, emerald and sapphire, 1 doz. assorted in box, assd 3 doz. of platinum finish ones. Assd. 1 doz. in velvet lined tray Doz **$3.95**

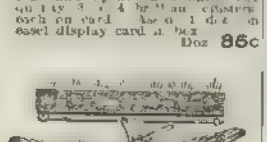
J2031—Sterling silver, 3 styles, pierced open-work basket mounting in square, round, box and oval styles, the centers set with ruby and brilliant style settings. Copies of the latest style platinum. Assd 1 doz. in velvet bed tray Doz **$3.95**

DRESS PINS

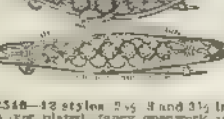
BAR OR SWEATER PINS AND BROOCHES



J2510—6 styles, average 3 in. silver plated and oxidized, engraved and open work designs, assorted, 3 to 4 pins in box, on card. Also 1 doz. on easel display card in box Doz **86c**



J2548—12 styles 2½ and 3½ in., silver plated, fancy openwork and blue bird designs, brilliant style settings. Assd. 2 doz. in box....Doz **69c**

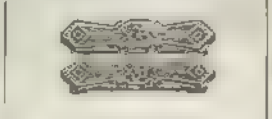


J2511—6 styles, average 2 in. silver plated fancy open work designs on bar pointers and 1 in. cut stone brilliant settings, on card. Assd 1 doz. on display card in box Doz **$1.20**

SWEATER OR DRESS PIN SETS

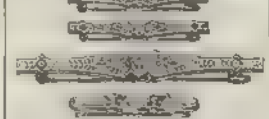
J2881—3 styles 2 pieces in set, ¾ in. straight and curved designs, burnished rolled gold plate and white gold finishes, engine turned centers, pearl tops protected with catch. Each set on card Assd 2 doz. sets in box Doz sets Out Gro sets

J2882—2 styles, 3 pieces in set, ¾ in., burnished rolled gold plated and white gold finishes plain, engine turned centers and bevel cuts, pearl tops protected with safety catch. Each set on card Assd 1 doz. sets in box Doz sets **89c** Gro sets **$9.95**



2-Piece Sets

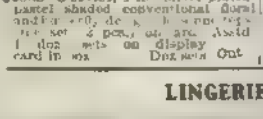
J3892—3 styles, 1 in. silver plated pastel shaded conventional floral and leaf design, 2 pins on each set. 2 pcs. on card. Assd 1 doz. sets on display card in box Doz sets Out



3-Piece Sets

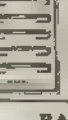
J2884—3 styles, silver plated, 2¼ in. large bar and two 1 in. cuff pins to match, cloisonne enamel tops in pastel shaded butterfly and floral designs. One set (3 pcs) on card Assd ½ doz. sets on display card 1 doz. in box Doz sets **$1.95**

LINGERIE CLASPS



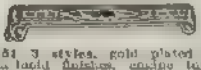
J2885—2 styles, 1 in. gold plated and white gold finishes, scarf or dress clasps, with safety catch. Each pair on card. Assd 4 doz. pairs in box Doz pairs Out Gro pairs

UTILITY PIN ASSORTMENT



J2888—6 pins on card, 1½ in. gold plated platinoid finish and powder blue, turquoise and rose tinted Enamine turned and engraved designs, 6 pins on card. Assd. 1 doz. cards in box Doz cards **79c**

BARRETTES



J2551 3 styles, gold plated and platinoid finishes, engine turned designs, sure clasp, snap end, each on card. Assd. 1 doz. in box....Doz Out

J2772—4 styles, average 1½ in. gold plated, burnished, transparent hard enamel tops and jewel style settings. Assd. 1 doz on easel card. Doz **89c**

J2844—Silver plated, openwork embossed design, pastel shaded enamel effect, safety catch, assd. 1 doz. on easel back display card. 1 doz. in box Doz **$1.75**

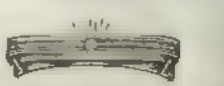
"BOB-ET" OR HAIR BARRETTE

J2418—6 styles, average 2 in., silver plated, 5 to 12 brilliant style cut jewel set, oxidized engraved tops pierced and embossed, safety tips hinged clasp back. 1 on card. Assd. 1 doz. in box Doz Out

"BOBBETTE" BOBBED HAIR CLASPS

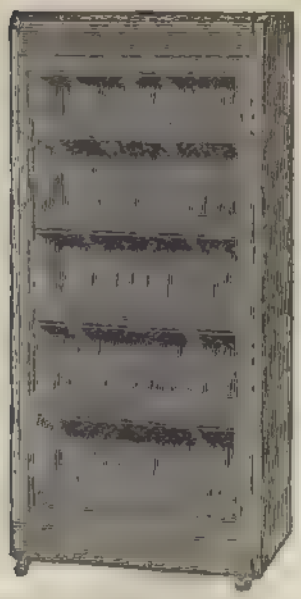
Light weight, adjustable tight clasp barrette. Each number assorted on attractive demonstration easel back display card

J2548—2 in. transparent shank, ruby sapphire topaz, emerald and fancy styles brilliant jewel style set not to match. Assd 1 doz. on display card in box Doz **$3.75**



J2548—1¾ in. platinoid finish engine turned and open work styles with ruby brilliant sapphire, amethyst and pearl jewel style settings. Assd 1 doz. on display card in box Doz **$1.95**

LIBRARY CASES



GRAND RAPIDS

Double strength glass in doors; adjustable shelves, with moulded edges. Casters furnished. A simple plain pattern of exceptional value.

Height 54 inches; width 24 inches.

	Each
No. GR10-GO—Plain oak with quarter sawed front, polished golden finish	$64 50
No. GR10-FO—Plain oak with quarter sawed front, fumed finish	64 50

One in crate; shipping wt each 125 lbs.

GRAND RAPIDS

Double strength glass in doors; adjustable shelves with moulded edges and nicely finished. Casters furnished.

A neat plain pattern, well made and finely finished.

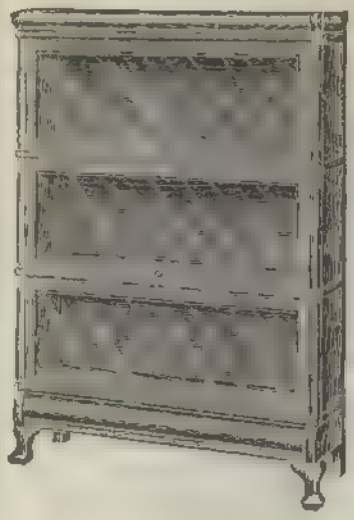
Height 54 inches; width 34 inches.

	Each
No. GR11-GO—Plain oak with quarter sawed front, polished golden finish	$87 75
No. GR11-FO—Plain oak with quarter sawed front, fumed finish	87 75
No. GR11-M—Hardwood, mahogany, dull finish	87 75

One in crate; shipping wt each 150 lbs.

SECTIONAL BOOK CASES

STANDARD



Standard book case sections are made up in several sizes to accomodate different size books. All sections are 34 inches wide and 11 inches deep; interchangeable with other standard makes. A quiet easy gliding door is an important feature.

HOME LIBRARY SIZE

Height over all 49 inches; width 34 inches; height of sections 10¼, 11 and 12¼ inches.

CASE COMPLETE

	Each
No. 913GO—Quarter sawed oak; golden gloss finish	$82 50
No. 913FO—Quarter sawed oak; fumed finish	82 50
No. 913M—Birch; mahogany dull finish	82 50

Crated; shipping wt each about 99 lbs.

TOP SECTIONS ONLY

	Each
No. 93GO—Quarter sawed oak; golden gloss finish	$11 55
No. 93FO—Quarter sawed oak; fumed finish	11 55
No. 93M—Birch; mahogany dull finish	11 55

Crated; shipping wt each about 13 lbs

BASE SECTIONS ONLY

	Each
No. 95GO—Quarter sawed oak; golden gloss finish	$14 25
No. 95FO—Quarter sawed oak; fumed finish	14 25
No. 95M—Birch; mahogany dull finish	14 25

Crated; shipping wt each about 13 lbs.

BOOK SECTIONS ONLY

Quarter Sawed Oak; Golden Gloss Finish.

	Each
No. 910GO—Inside height 10¼ ins	$18 75
No. 911GO—Inside height 11 ins	18 75
No. 912GO—Inside height 12¼ ins	18 75

Quarter Sawed Oak; Fumed Finish.

	Each
No. 910FO—Inside height 10¼ ins.	$18 75
No. 911FO—Inside height 11 ins.	18 75
No. 912FO—Inside height 12¼ ins.	18 75

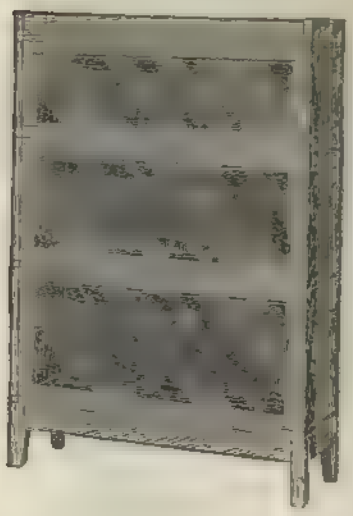
Birch; Mahogany Dull Finish.

	Each
No. 910M—Inside height 10¼ ins	$18 75
No. 911M—Inside height 11 ins.	18 75
No. 912M—Inside height 12¼ ins.	18 75

Crated; shipping wt each about 24¼ lbs.

SECTIONAL BOOK CASES

COMMERCIAL AND HOME SIZE
MACEY



Plain oak, golden gloss finish. Fitted with easy gliding doors. Case sections are made in several sizes to accomodate different size books. All sections are 34 inches wide and 11 inches deep, inter-changeable with other standard makes.

Height over all 49 inches; width outside 11⅜ inches, inside 32⅛ inches.

Each

No. F513SC—Case Complete: Consists of top section, sanitary leg base and three book sections sizes 11⅛ x8⅝ ins; 13½x11 ins and 15½x12⅝ ins.. ... . **$60 30**

Crated; ship wt complete 125 lbs.

Each

No. F513T—Top Section only ... ight outside 2¼ ins **$9 00**

Crated; ship wt ea·· 13 lbs.

Each

No. F513B—Sanitary Leg Base only; ...utside Leig... 8... ... **$9 00**

Crated, ship wt each 1; lbs.

Book Sections

Each

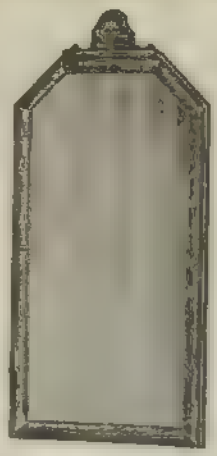
No. 49—Height outside 11⅛ in... ...nsi... 8⅝ ins ... **$15 00**

No. 411—Height outside 13½ ins; inside 11 ins..... **15 00**

No. 413—Height outside 15½ ins, inside 12⅝ ins . . **15 00**

Crated; shipping wt each 24¼ lbs.

CONSOLE TABLES AND MIRRORS



MIRROR

Size 24x12 inches; selected quality plain plate mirror. American walnut veneered, two tone finish.

Each

No. 11CM—Mirror only... **$41 25**

Crated; shipping wt each 30 lbs.

TABLE

Size top 28x13 inches; height 29 inches. Turned columns with scroll feet. American walnut veneered, two tone finish.

Each

No. 11CS—Table only **$31 50**

Crated; shipping wt each 50 lbs.

MIRROR

Size 30x12 inches; selected quality plain plate mirror. American walnut veneered, two tone finish.

Each

No. 10CM—Mirror only... **$46 50**

One in crate; shipping wt each 35 lbs

TABLE

Size top 32x13 inches; height 29 inches. Scroll columns and feet, strong brace between columns. American walnut veneered, two tone finish.

Each

No. 10CS—Table only..... **$54 00**

One in crate; shipping wt each 60 lbs.

RADIO SETS AND PARTS

VACUUM TUBE RECEIVING SET
GREBE "SYNCHROPHASE"

Operating Distance Up To 3000 Miles. Wave Length Range 200 to 600 Meters.

Consists of two stages of balanced tuned Radio Frequency, detector and two stages of non-regenerative Audio Frequency Amplification. Has the Grebe Synchrophase Circuit.

Will tune out any local broadcasting and bring in distant stations without distortion.

The setting of the three large tuning dials is always the same for any particular broadcasting station.

After a station has been brought in positions of the dials should be noticed. The same station can be brought in whenever it happens to be broadcasting by lighting tubes and turning dials to these readings. This set has such tremendous volume that it is only necessary to light the tubes about half way except when receiving the most distant stations like those across continent.

Has no Whistle like that of the Regenerative circuit and no tubes reflex.

Greater Sensitivity has been gained by balancing as well as tuning two stages of Radio Frequency.

Greater Selectivity has been gained by means of fieldless Binocular coils, transformers with which the two stages of Radio Frequency and the Detector are tuned.

A new type of volume control gives an unbroken range of six variations of Audio Frequency.

Hand rubbed Walnut finish cabinet, polished black panels, gold plated trimmings.

The antenna furnished with this set includes everything necessary; 150 feet of stranded copper antenna wire, 25 feet No. 14SBRC lead-in wire, 20 feet No. 18 rubber covered ground wire, 1 No. 200 lightning arrester, 1 No. 708 battery switch, 2. 7½x6 inch porcelain tubes, 3 No. 1NC porcelain knobs, 2 screw eyes, 1 ground clamp, 2 No. 500 insulators, 1 counter and 12 insulated staples.

Set includes the following:			Each
No. MU-1—Receiver	348	75	$156 00
No. UV201-A—Tubes (5 only)	10	20	4 00
No. CHS—Telephones	27	00	12 00
No. 767—"B" Batteries (3 only)	7	86	3 75
No. 771—"C" Battery (1 only)	1	26	60
No. 715—"A" Battery	40	50	13 00
No. BGA—Antenna Equipment	12	00	5 00
			Per Set
No. MU-1-C—Complete as described, ready to be installed	504	09	$221 85
			Each
No. BC-1—Battery case for the above set	33	75	
Carefully packed in carton; wt per set 42 lbs.			$15 00

If you are not selling radio, start now. Write us. We'll furnish all information necessary.

RADIO SETS AND PARTS

VACUUM TUBE RECEIVING SETS
"SLEEPER MONOTROL"

Operating Distance Up To 3000 Miles, Wave Length Range 200 to 600 Meters.

Consists of four tubes. Has the Grimes Inverse Duplex Circuit, which by means of the Reflex arrangement gives the effect of a seven tube set, three stages of radio frequency amplification, a detector and three stages of audio frequency amplification. Will tune out local stations and bring in distance stations without distortion. Has three large dials on which wave lengths are marked. To bring in a station it is merely necessary to turn large dial to wave length of station desired and then turn small dial until station comes in. The setting of the two dials is always the same for any particular Broadcasting Station. After Station has been tuned in the dials should be noticed, same station can be again tuned in very easily by setting dials to same readings. Has greater volume and long range of distance. Hand rubbed walnut finish; polished black panels, bakelite dials.

The antenna furnished with this set is the same as furnished with No. MU-1-C.

STORAGE BATTERY SET FOR OUTSIDE ANTENNA

			Each
No. SM—Receiver	336	00	$160 00
No. UV201A—Tubes (4 only)	10	20	4 00
No. 772—"B" Batteries (2 only)	7	86	3 75
No. CHS—Telephones	27	00	12 00
No. 715—"A" Battery	40	50	18 00
No. BGA—Antenna Equipment	12	00	5 00
			Per Set
No. SMS-C—Complete as described ready to be installed	471	96	$218 50

STORAGE BATTERY SET FOR INDOOR LOOP

			Each
No. SM—Receiver	336	00	$160 00
No. UV201A—Tubes (4 only)	10	20	4 00
No. 722—"B" Batteries (2 only)	7	86	3 75
No. CHS—Telephones	27	00	12 00
No. 715—"A" Battery	40	50	18 00
No. ML—Indoor Loops	31	50	15 00
			Per Set
No. LSMS-C—Complete as described, ready ready to be installed	491	52	$226 05

DRY BATTERY SET FOR OUTSIDE ANTENNA

Furnished with Outside Antenna.

			Each
No. SM—Receiver	336	00	$160 00
No. UV199—Tubes (4 only)	10	20	4 00
No. 599—Adapters (4 only)	1	71	75
No. 764—"B" Batteries (4 only)	3	66	1 75
No. CHS—Telephones	27	00	12 00
No. 66—"A" Batteries (3 only)		90	50
No. BGA—Antenna Equipment	12	00	5 00
			Per Set
No. SMD-C—Complete as described above ready to be installed	439	98	$204 50

DRY BATTERY SET FOR INDOOR LOOP

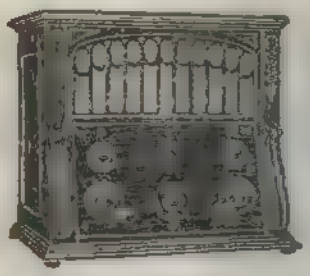
			Each
No. SM—Receiver	336	00	$160 00
No. UV199—Tubes (4 only)	10	20	4 00
No. 599—Adapters (4 only)	1	71	75
No. 764—"B" Batteries (4 only)	3	66	1 75
No. CHS—Telephones	27	00	12 00
No. 66—"A" Battery		90	50
No. ML—Indoor Loop	31	50	15 00
			Per Set
No. LSMD-C Complete as described, ready to be installed	459	48	$214 50

Carefully packed in cartons.

RADIO SETS AND PARTS

RADIOLA X

Radio Corporation of America. Operating Distance 1500 Miles.



A four tube dry battery operated regenerative receiver, highly selective and non-radiating, for use with an aerial, embodying extraordinary improvements which will prove a revelation to the broadcast listener. It provides selectivity capable of meeting the requirements in congested broadcasting zones.

It is a non-radiating receiver employing a new discovery in radio circuits, the Regenoflex circuit which provides a regenerative receiver which prevents the broadcast listener from interfering with his neighbors entertainment and reciprocally he is not interfered with by his neighbor. On a suitable antenna Radiola X will receive across the continent and it enables the reception of far distant broadcast stations while local stations operate.

Mounted on an unusually handsome cabinet with a self contained loop antenna, it operates on a new principle providing more melodious reception than anything hitherto produced. The new loud speaker muffles background noises, hisses, etc., giving quiet operation and natural quality.

The tuning circuits of Radiola X are so adapted to aerials of various lengths, that very good results may be had without selectivity thus giving maximum energy signals.

The antenna furnished with this set includes everything necessary: 150 feet of stranded copper antenna wire, 25 feet No. 14 SBRC lead in wire, 20 feet No. 18 rubber covered ground wire, 1 No. 200 lightning arrester, 1 No. 708 battery switch, 2 2½x6 inch porcelain tubes, 3 No. INC porcelain knobs, 2 screw eyes, 1 ground clamp, 2 No. 500 insulators, 1 connector and 12 insulated staples.

Set includes the following:		Each
No. X—Receiver, including 4 No. WD-11 tubes and self contained loud speaker		551 25 *$275 00*
No. 7688 Batteries (4 only)	3 99	*1 90*
No. 66A Batteries (6 only)	2 70	*50*
No. 771C Battery (1 only)	1 26	*60*
No. BGA Antenna equipment	12 00	*5 00*
		Per Set
No. X-C—Complete	585 87	*$261 20*

Carefully packed in cartons; wt per set 68 lbs

RADIO SETS AND PARTS

RADIOLA REGENOFLEX

Radio Corporation of America. Operating Distance 1500 Miles.

A four tube dry battery operated regenerative receiver, highly selective and non-radiating, for use with an aerial, embodying extraordinary improvements which will prove a revelation to the broadcast listener. It provides selectivity capable of meeting the requirements in congested broadcasting zones.

It is a non-radiating receiver employing a new discovery in radio circuits, the Regenoflex circuit which provides a regenerative receiver which prevents the broadcast listener from interfering with his neighbors entertainment and reciprocally he is not interfered with by his neighbor.

A table type of the Radiola X for use with external loud speaker. Radiola Regenoflex gives identical performance when used with Radiotrons and Radiola loud speakers, and has space for the necessary batteries, connections to the aerial and earth wires are made from the rear, thus doing away with unsightly wires, batteries, etc.

The antenna furnished with this set includes everything necessary: 150 feet of stranded copper antenna wire, 25 feet No. 14 SBRC lead in wire, 20 feet No. 18 rubber covered ground wire, 1 No. 200 lightning arrester, 1 No. 708 battery switch, 2½x6 inch porcelain tubes, 3 No. INC porcelain knobs, 2 screw eyes, 1 ground clamp, 2 No. 500 insulators, 1 connector and 12 insulated staples.

Set includes the following:		Each
No. R—Receiver with 4 only WD11 tubes and UZ 1325 loud speaker		329 75 *$191 00*
No. 7688—Batteries (4 only)	3 99	*1 90*
No. 66A—Batteries (4 only)	90	*50*
No. 771C—Battery (1 only)	1 26	*60*
No. BGA—Antenna equipment	12 00	*5 00*
		Per Set
No. R-C—Complete	462 47	*$206 20*

Carefully packed in cartons; wt per set 52 lbs.

RADIO TABLE

Top especially designed for receiving set and loud speaker, and has a battery shelf in back of removable panel for concealing unsightly batteries. Size top 18x34 inches; height 31 in., base size battery shelf 29x8x7 inches, size drawer 16x13x4 inches.

	Each
No. 1834F0 Plain oak, fumed finish	$25 95
No. 1834M—Hardwood, hand rubbed imitation mahogany finish	29 10

Crated; wt each 89 lbs.

SOAPSTONE GRIDDLES

Oblong. One inch thick; galvanized iron bound, with handles.

Nos.	18	20	22
Size, ins	9x18	10x20	11x22
Wt per doz, lbs	132	144	150
Per Doz	$52 50	60 00	69 60

Packed loose.

WAFFLE IRONS

GRISWOLD, EXTRA FINISH AMERICAN PATTERN

Cast iron, japanned rim; bright finish molds; spiral wire handles. Molds revolve in ball sockets.

Low Base.

No.	EF8
Diam molds, ins	7¼
Diam rim at bottom, ins	9⅛
Wt each, lbs	10
Per Doz	$45 75

Packed loose.

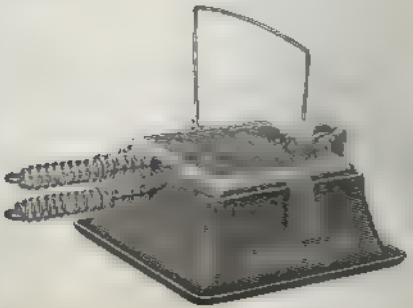
High Base.

For Gas and or Vapor Stoves.

Per Doz

No. EF8D—Diam molds 7¾ ins; diam rim at bottom 9⅞ ins ... $54 00

Packed loose; wt each 18½ lbs.



High Base.
For Gas or Vapor Stoves.

Cast iron, japanned rim; extra bright finish moulds, spiral wire handles. Capacity four waffles 3⅛x3⅛ inches.

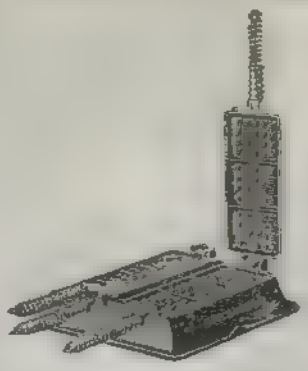
Per Doz

No. EF11—Size frame 9¾x9¾ ins ... $54 00

Packed loose; wt per doz 175 lbs.

WAFFLE IRONS

GRISWOLD, EXTRA FINISH, AMERICAN PATTERN



Twin-Low Base.

Bright wire bail with spiral wire handles. This style is used mostly by boarding houses, large families, small hotels, etc. Capacity six waffles, 3½x4 ins., at one filling three in each mold.

Per Doz

No. EF12—Size frame 10½x10½ ins ... $94 50

Packed loose; wt per doz 158 lbs.

HEART-STAR PATTERN

Low Base.

Cast iron, japanned rim; bright finish molds; Alaska coil handles set in air cooled sockets. Molds revolve in ball sockets.

Per Doz

No. EF18—Diam molds 7⅞ ins; diam bottom ring 9¾ ins ... $45 75

Packed loose; wt per doz 125 lbs.

HEART-STAR PATTERN

High Base.

Cast iron, japanned rim; bright finish molds; Alaska coil handles set in air-cooled sockets. Molds revolve in ball sockets.

Per Doz

No. EF118—Diam molds 7⅞ ins; diam bottom ring 11⅞ ins ... $54 00

Packed loose, wt per doz 185 lbs.

PATTY IRONS

GRISWOLD

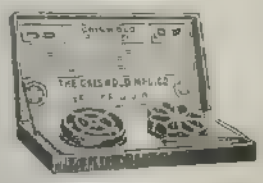
Cast iron, made in two patterns and four designs of desirable sizes.

Shallow Pattern.

Set consists of two patty irons, depth ½ in. with 9¾ in. wire handle.

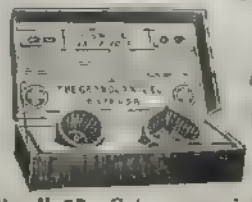
Per Doz Sets

No. H-1S—Set complete in a neat cardboard box with recipes printed on back of top ... $18 75



No. H-1B—Set wrapped in paper with recipes ... 10 50

Wt per doz sets 12 lbs.



Deep Pattern.

Set consists of two patty irons, depth 1½ ins with 9⅜ in. wire handle.

Per Doz Sets

No. H-2S—Set complete in a neat cardboard box with recipes printed on back of top ... $18 75

No. H-2B—Set wrapped in paper with receipes ... 10 50

Wt per doz sets 18 lbs.

FRENCH FRYERS

ROYAL

Smooth, black steel pan, with heavy steel bracket and handle securely riveted; tinned wire basket, 4 mesh with extra heavy twisted wire handle.

	Per Doz
No. 90—Capacity 5 qts; diam 9½ ins	$39 60

Packed loose; wt per doz 30 lbs.

EXTRA BASKETS FOR FRENCH FRYERS

	Per Doz
No. 90A—For No. 9 French Fryers diam 9 ins	$19 95

Packed loose.

FRYING BASKETS

Made of 17 gauge tinned steel wire; ⅝ inch mesh; 10 gauge top wire and bail.

	Per Doz
No. 08—Diam 8 ins; depth 2¼ ins	$7 65

Packed loose; wt per doz 8 lbs

STEEL WARE

Stamped from one piece cold rolled wrought steel; highly polished handles covered with embossed metal; Eye for hanging. Pan will not absorb grease, scale or warp.

Cake Griddles.

Nos.	81	91	110
Diam inside, ins	8¾	9¾	10¾
Wt each, lbs	2	2¾	3¼
Per Doz	$6 60	7 65	10 50

Quarter doz, wired in bundle

NEVER-BREAK PATTERN

Spiders, Lipped.

Nos.	NB7	NB8	NB9	NB10	NB12
Diam bottom, ins	8	9	10	10¾	12
Wt each, lbs	2	2¾	3¾	4½	6
Each	$1 50	1 89	2 25	2 76	3 30

Packed loose; wrapped.

STEEL WARE

—BLUE RIBBON—

Spiders Lipped.

Stamped from one piece cold rolled wrought steel, polished. Handles are covered with embossed metal and eye for hanging.

Nos.	07	08	09
Diam at bottom, ins	8	9	10
Wt per doz, lbs	19	24	27½
Per Doz	$8 40	9 90	12 90

Quarter doz, wired in bundle.

OLD KENTUCKY HOME

Spiders Lipped.

Stamped from one piece 14 gauge, cold rolled steel, highly polished inside, cold handle of tin over the steel.

Nos.	OKH7	OKH8	OKH9	OKH10	OKH11
Diam top, ins	9¼	10¼	11¼	12½	13½
Diam bottom, ins	8	9	10	11	12
Length handle, ins	7½	7½	7½	7½	7½
Depth, ins	2	2	2	2	2
Wt per doz, lbs	18	20	22	24	27
Per Doz	$16 20	18 75	21 00	24 00	27 00

Packed loose.

ACME

Pan and handle stamped from one piece gun metal finish sheet steel, lipped, with patent tin cool grip.

Frying Pans, Lipped.

Nos.	39	40	41	42
(Old Nos.)	00	0	1	2
Diam top, ins	6	8	8½	9
Diam bottom, ins	4½	6⅜	6⅜	7⅛
Length handle, ins.	5½	8	8	9
Wt per doz, lbs	5	6	7	9
Per Doz	$2 55	4 50	4 80	5 10

Nos.	43	44	45	46	47
(Old Nos.)	3	4	5	6	7
Diam top, ins	9½	10	11	12	13¼
Diam bottom, ins	7⅝	8⅜	8⅞	9⅝	10⅜
Length handle, ins	9	10¼	10¼	10¼	12
Wt per doz, lbs	12	15	18	21	20
Per Doz	$6 00	7 05	8 25	10 20	11 25

Quarter doz, wired in bundle

NEVER BREAK PATTERN

Cake Griddles.

Nos.	28	29	30
Diam inside, ins	8¾	9¾	10¾
Wt each, lbs	2	2½	3
Each	$1 56	1 74	1 98

Packed loose, wrapped.

D 6

CAST ALUMINUM WARE

GRISWOLD'S SKILLETS

Seamless body, tempered; polished inside; double lipped ebonized wood handle, with ring end.

Nos.	208	209	2010
Diam, ins	10½	11½	12
Depth, ins	2¼	2¼	2¼
Wt each, lbs	1¾	2	3
Per Doz	$69 00	81 25	117 00

Packed loose.

GRIDDLES

Seamless; tempered; ebonized wood handle, with ring end.

Nos.	308	309
Diam top, ins	9	10⅜
Wt each, lbs	1¼	1⅝
Per Doz	$66 00	78 75

Packed loose.

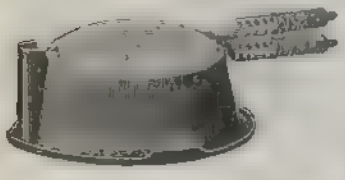
WAFFLE IRONS
Low Ring

Cast aluminum pans; japanned iron rings; spiral wire handles; pans revolve in ball sockets.

Per Doz

No. 608 Diam pans 7¾ ins; diam bottom of ring 9 ins; height 2¾ ins $91 50

Packed loose; wt each 5 lbs.



WAFFLE IRONS
Deep Ring

Cast aluminum pans; japanned iron rings; spiral wire handles; pans revolve in ball sockets.

Per Doz

No. 618—Diam pans 7¾ ins; diam bottom 9⅛ ins; height 4¼ ins $100 50

Packed loose; wt each 7½ lbs.

TEA KETTLES

Seamless body, welded spout; swing cover; steel wire bail; ebonized wood knob and grip; bail rests on ears. Attractive paneled design.

Nos.	535	536	538
Capacity, qts	5	6	8
Diam bottom, ins	9¾	10	11
Wt each, lbs	3¾	4¼	5
Per Doz	$123 00	132 00	144 00

Packed loose

WAGNER'S SUGAR SCOOPS

One solid piece; seamless; solid handle.

Nos.	AS0	AS01	AS1	AS2	AS3	AS4¼
Size, ins	3x3½	4x10	4x11	5x12	5½x14	6½x15
Wt each, lbs	½	½	¾	1	1¼	1½
Per Doz	$30 75	39 60	47 25	50 25	66 00	90 75

CAST ALUMINUM WARE

FUNNELS

One solid piece; seamless; highly polished finish.

Per Doz

No. FA2—Capacity 1 qt; diam top, 6½ ins $57 00

Packed loose; wt each ¾ lb.

MEASURES

One solid piece; seamless; highly polished finish; riveted handles.

Nos.	AM-1	AM-4
Capacity, qts	1	4
Diam, ins	4	6
Height, ins	6	9½
Wt each, lbs	1	2½
Per Doz	$60 75	113 25

Packed loose.

LARD SPADES

Solid cast aluminum, polished finish. Per Doz

No. H-1 Length over all 10¼ ins; width 3¼ ins $40 50

Packed loose; wt doz 4½ lbs.

BUTTER LADLES

Solid cast aluminum, polished finish. Per Doz

No. H-3—Length over all 9 ins; width 3⅛ ins $17 25

Packed loose; wt per doz 4 lbs.

ALUMINUM WARE

—BLUE GRASS—

Blue Grass aluminum ware is made of 99% pure aluminum of good, heavy stock—each article shaped of one solid hard piece of metal—highly polished outside and in.

Fruit acids have no effect on Blue Grass aluminum ware. It will stand a heat of 1,100 degrees Fahrenheit and will not break by dropping. There is nothing to rust, corrode, no seams to let loose and with proper care will last a life time.

COFFEE POTS

Welded spout; ebonized wood knob; covers fastened with tinned brass hinges. Ebonized wood handles replaceable.

Nos.	434	436	438
Gauge, No	20	18	18
Capacity, qts	2	2¾	3½
Diam bottom, ins	5⅜	6¼	6⅝
Depth, ins	7¼	8	8⅝
Wt per carton, lbs	13¼	18¾	21¾
Per Doz	$31 50	45 00	48 00

One doz in carton.

COFFEE BIGGINS

Welded spout; ebonized wood knob and handle, riveted.

Per Doz

No. 34—Cap pot 1 pt; cap biggin 1½ pt; diam bottom 4½ ins; height over all 8 ins $34 20

One doz in carton; wt per carton 14 lbs.

PYREX

TRANSPARENT OVEN WARE

CASSEROLES

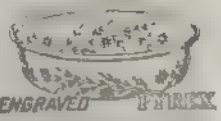
Oval, Fully Engraved with Cover, Fits Standard Mountings.

Nos.	193E2	194E2
Capacity, qts	1	2
Depth, ins	2⅝	3½
Size, ins	7½x5½	8⅝x6¼
Wt doz, lbs	21	34
Per Doz	$57 00	75 75

One in carton.

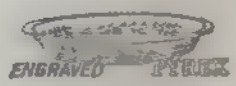
PUDDING PANS

Engraved. Round, Shallow.



Nos.	132E2	155E2
Capacity qts	1	1½
Diam, ins	6⅝	7¾
Depth, ins	2	2
Wt per doz, lbs	10	2
Per Doz	$33 00	37 80

One in carton.



PIE PLATES

Engraved. Round, With Wide Flange.

Per Doz

No. 209E2—Diam 8½ ins; depth 1¼ ins $34 20

Half doz in carton; wt per doz 17 lbs.

CUSTARD CUPS

Engraved.

Per Doz Sets

No. 422E2—Capacity 4 ozs; size 3¼x1¼ ins $57 00

Half doz in carton; wt per doz 3½ lbs.

RAMEKINS

Engraved.

Per Doz Sets

No. 442E2—Capacity 3½ ozs; diam 2⅝ ins; depth 1¼ ins $45 00

One set of half doz in carton, wt per doz sets 6 lbs

UTILITY DISHES

Engraved. Oblong.

Per Doz

No. 231E2—Length 10 ins; width 6 ins; depth 1¾ ins $37 80

Quarter doz in carton; wt per doz 22 lbs.

BREAD PANS

Engraved. Oblong.

Per Doz

No. 212E2 Length 8½ ins; width 4½ ins; depth 2¾ ins $34 20

Quarter doz in carton; wt per doz 20 lbs.

PYREX

TRANSPARENT WARE NURSING BOTTLES

A clear tough glass scientifically made to withstand sudden changes of temperature can be boiled or taken from ice box and warmed without fear of breaking, proportioned so they can be easily cleaned. Each bottle has an accurate measuring scale; necks are fashioned so all regular nipples fit securely, designed for easy holding and to prevent rolling.

WIDE MOUTH

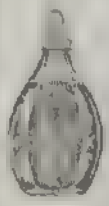
No.	8WM
Cap. ozs	8
Wt per doz, lbs	8½
Per Doz	$6 45

One in cardboard box; 12 in carton.

NARROW NECK

No.	8NN
Cap. ozs	8
Wt per doz, lbs	7½
Per Doz	$6 45

One in cardboard box; 12 in carton.



FLAT SHAPE

No.	8FS
Cap. ozs	8
Wt per doz, lbs	7
Per Doz	$6 45

One in cardboard box; 12 in carton

GIFT SETS

Set consists of six 8 oz wide mouth bottles.

Per Set

No. 150—Wt per set 4 lbs .. $3 15

One in cardboard box; 6 in counter display box.

ASSORTMENTS

Assortment consists of 36 bottles assorted shapes and sizes as follows:

4— 6 oz wide mouth
4— 8 oz wide mouth
2—10 oz wide mouth
2— 6 oz narrow neck
6— 8 oz narrow neck
4—10 oz narrow neck
2— 6 oz flat shape
2— 8 oz flat shape
2—10 oz flat shape

Per Ass't

No. 1—Complete as described above $18 75

One in cardboard box, 36 in carton; wt per ass't 20 lbs.

GIFT SETS

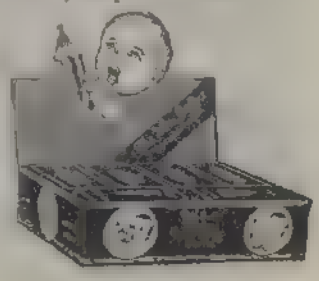
Set consists of 6 bottles as follows:

2-4 oz narrow neck.
4-6 oz narrow neck.

Per Set

No. 100—Wt per set 2½ lbs $2 16

One in cardboard box; 6 in counter display box.



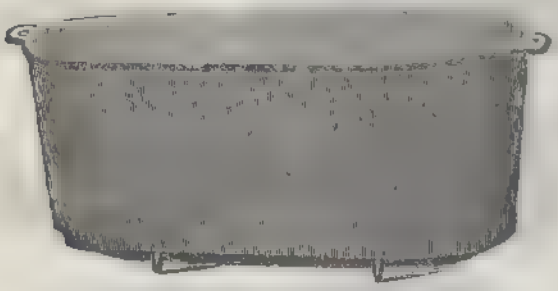
STOVE HOLLOW WARE

STANDARD GRADE

TEA KETTLES
Plain Natural Finish Outside.

Nos.	P7	P8	P9
Capacity, qts.	5	6	7
Length, ins.	7	7⅝	7¾
Diam top, ins	5¾	6	7½
Wt each, lbs.	9½	11½	12½
Each	$1 98	2 25	2 52

HAM BOILERS



Japanned Outside.

Capacity, qts.		23	31
Top, ins		20x11½	22½x12½
Height, ins		9	10
Wt each, lbs.		15	23
Plain Finish	Nos.	P7	P8
	Each	$4 80	5 70
Triumph Enameled	No.	T7	T8
	Each	6 25	8 25

MASLIN KETTLES

Japanned Outside; Porcelain Enameled Inside.

Nos.	4	6	8	10	12	14	16	20
Capacity, qts	4	6	8	10	12	14	16	20
Depth, ins.	4¾	5¼	5¾	6½	6¾	7	7½	8⅝
Diam, ins	9½	10½	11½	12½	13	13½	14	15¼
Wt each, lbs	6	8	10	11	12	14	16	20
Each	$1 65	2 40	2 85	3 00	3 45	3 90	4 35	5 40

All of above pieces packed loose.

STOVE HOLLOW WARE

GRISWOLD, EXTRA FINISH

Griswold extra finished iron hollow ware is of the highest quality. Each piece is carefully molded by experienced workmen insuring thicker, heavier metal, where durability and heat are required. The choicest of high grade superior iron is used, making possible the highly polished surface. To preserve this finish each piece is vaporized with a transparent anti-rust preparation, which eliminates the danger of rust from atmospheric changes.

SPIDER

Nos.	EFS4	EFS5	EFS6	EFS7
Length, ins	7	8	9⅛	9⅝
Diam top, ins	5	6⅛	7	8
Depth, ins	1½	1¾	1⅞	2⅛
Wt each, Lbs	2¼	3	3½	4
Each	$1 71	1 80	2 01	2 16

Nos.	EFS8	EFS9	EFS10	EFS11	EFS12
Diam top, ins	10⅜	11¼	11¾	12½	13¼
Diam bottom, ins	8⅞	9⅝	10¼	10⅞	11¾
Depth, ins	2¼	2¼	2¼	2¼	2¼
Wt each, lbs	4½	5	6	7	8
Each	$2 31	2 85	3 30	4 35	5 10

Packed loose.

SKILLET DISPLAY STANDS
For Griswold Skillets.

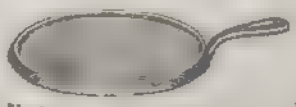
(Spiders not included.)

Painted hardwood base, heavy retinned wire supports. Can be used on counter, table, show case and in display window.

Note—Display stand will be given free with orders for 25 or more Griswold spiders.

No. 603—Length 24¼ ins, width 6¼ ins, height over all 5 ins ..... Free

Shipping weight about 3 lbs.



GRIDDLES

Nos.	EFG7	EFG8	EFG9	EFG10
Diam, ins	8	9¼	10⅜	11½
Wt each, lbs	3	3½	4½	4¾
Each	$1 80	2 01	2 40	3 00

Packed loose.

BELLIED POTS

Round bottom; heavy wire bail with black enameled wood grip and top ring.

Nos.	EFBP8
Diam top, ins	10
Diam bottom, ins	8
Depth, ins	8
Capacity, qts	9
Wt each, lbs	11
Each	$7 20

Packed loose.

FRENCH FRYERS

ROYAL

Smooth, black steel pan, with heavy steel bracket and handle securely riveted; tinned wire basket, 4 mesh with extra heavy twisted wire handle.

	Per Doz
No. 90—Capacity 5 qts; diam 9½ ins	$39 60

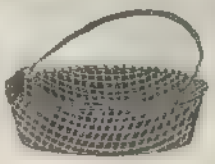
Packed loose; wt per doz 30 lbs.

EXTRA BASKETS FOR FRENCH FRYERS

	Per Doz
No. 90A—For No. 9 French Fryers diam 9 ins	$19 95

Packed loose.

FRYING BASKETS



Made of 17 gauge tinned steel wire; ⅝ inch mesh; 10 gauge top wire and bail.

	Per Doz
No. 08—Diam 8 ins; depth 2¼ ins	$7 65

Packed loose; wt per doz 3 lbs.

STEEL WARE

Stamped from one piece cold rolled wrought steel; highly polished handles covered with embossed metal; Eye for hanging. Pan will not absorb grease, scale or warp.

Cake Griddles.

Nos.	81	91	110
Diam inside, ins	8¾	9¾	10¾
Wt each, lbs	2	2¾	3¼
Per Doz	$6 60	7 65	10 50

Quarter doz, wired in bundle.

NEVER-BREAK PATTERN

Spiders, Lipped.

Nos.	NB7	NB8	NB9	NB10	NB12
Diam bottom, ins	8	9	10	10¾	12
Wt each, lbs	2	2¾	3½	4½	6
Each	$1 59	1 89	2 25	2 76	3 30

Packed loose; wrapped.

STEEL WARE

—BLUE RIBBON—

Spiders Lipped.

Stamped from one piece cold rolled wrought steel, polished. Handles are covered with embossed metal and eye for hanging.

Nos.	07	08	09
Diam at bottom, ins	8	9	10
Wt per doz, lbs	19	24	27½
Per Doz	$8 40	9 90	12 90

Quarter doz, wired in bundle.

OLD KENTUCKY HOME

Spiders Lipped.

Stamped from one piece 14 gauge, cold rolled steel, highly polished inside, cold handle of tin over the steel.

Nos.	OKH7	OKH8	OKH9	OKH10	OKH11
Diam top, ins	9¼	10¼	11¼	12¼	13¼
Diam bottom, ins	8	9	10	11	12
Length handle, ins	7½	7½	7½	7½	7½
Depth, ins	2	2	2	2	2
Wt per doz, lbs	18	20	22	24	27
Per Doz	$16 20	18 75	21 00	24 00	27 00

Packed loose.

ACME

Pan and handle stamped from one piece gun metal finish sheet steel, lipped, with patent tin cool grip.

Frying Pans, Lipped.

Nos.	39	40	41	42
(Old Nos)	00	0	1	2
Diam top, ins	6	8	8⅛	9
Diam bottom, ins	4⅛	5⅛	6⅛	7⅛
Length handle, ins	5⅛	8	8	9
Wt per doz, lbs	3	6	7	9
Per Doz	$2 55	4 50	4 80	5 10

Nos.	43	44	45	46	47
(Old Nos.)	8	4	5	6	7
Diam top, ins	9½	10	11	12	13¼
Diam bottom, ins	7⅝	8¼	8½	9⅝	10⅝
Length handle, ins	9	10¼	10¼	10¼	12
Wt per doz, lbs	12	15	18	24	30
Per Doz	$6 00	7 05	8 25	10 20	11 25

Quarter doz, wired in bundle

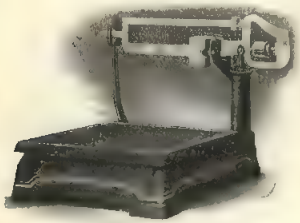
NEVER BREAK PATTERN

Cake Griddles.

Nos.	28	29	30
Diam inside ins	8¾	9¾	10¾
Wt each, lbs	2	2½	3
Each	$1 56	1 74	1 98

Packed loose, wrapped.

PACKAGE SCALE WITH FULL CAPACITY BEAM



This scale is especially adapted for the accurate weighing of packages up to 55 lbs. for express or parcel post shipments. It takes up but very little space on counter or table, yet is strong and sturdy to stand the impact of rapidly handled packages. The full capacity beam assures exceptional speed in weighing, for there are no lower weights required, each reading being given directly by the poises.

The beam is of the *arrow-tip* pattern, of brass with brass sliding poises. The upper bar is graduated 5 lbs. x 1 oz., the lower 50 x 5 lbs. The platform is of a convenient size for the packages. The scale is durably and attractively finished in black baked enamel and bronze striping

No.	Capacity	Beam	Platform	List Price
532	55 lbs x 1oz	Upper–5 lbsx 1oz Lower–50 x 5 lbs	10½"x12"	$32.00

Note.—In the platform size above, the **first** figure is the dimension parallel with the beam.

PLATFORM COUNTER SCALE

with short iron pillar

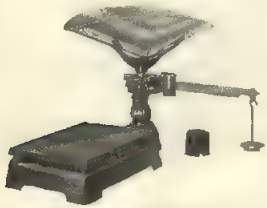
This is one of the most efficient scales for general service, where a strong, compact outfit of fair capacity is needed for accurate weighing. It is used in retail business for merchandise of every nature, in factory for weighing parts or products of brass, copper and other high-priced metals; in the dairy trades for weighing out cheese and butter; in hospitals, diet kitchens and the like for weighing supplies and also for weighing infants; in fact, this scale practically fills a universal need.

It is built of metal throughout sturdy and strong, with a short iron pillar and iron platform of convenient size.

The No. 1216 scales are similar to those described above, with the addition of the suspended platform feature. This construction is of the greatest advantage for fine, permanent accuracy, sensitiveness and durability and adapts these scales for weighing valuable commodities, such as fine silks and other fabrics, bullion, valuable castings and such similar products as require a rugged scale as well as a sensitive scale.

No.	Capacity	Beam	Platform	Price Single Beam
528	200 lbs.	5 lb x 1 oz.	10½" x 14"	$32.00
1212	300 "	10 lb x 2 oz.	13½" x 19½"	42.00
1216	300 "	3 lb. x ⅛ oz	13½" x 19½"	52.00

Extra for Double Beam, $15.00



PLATFORM SCOOP SCALE

This scale, commonly called the Union Scale, offers the combined service of a platform and a scoop, each weighing certain commodities most conveniently and in fairly large quantity.

The entire scale is a strong, compact outfit, with a substantial iron frame.

The scoop is snugly supported in a broad fork and may be furnished either in tin or brass.

The beam is of brass, fitted with sliding poise and may be supplied either angle or double graduated as given below. A counterpoise and suitable weights make up the full capacity. The scale is durably and attractively finished in baked enamel

Capacity 240 lbs. x ½ oz. in scoop. 240 x ¼ lbs. on platform.

Beam Graduations: Single Beam—Upper graduations, 5 lbs. x ½ oz.; lower graduations, 40 x ¼ lbs. Double Beam. Front bar graduated 4 lbs. x ½ oz.; back bar graduated 32 x ¼ lbs

Scoop Size: 18½ inches long x 9 inches wide x 5¾ inches deep

No.	Description	Capacity	Platform	Price
500	Single Beam, Tin Scoop.	240 lbs.	10½" x 13½"	$24.00
502	Single Beam, Brass Scoop.	240 lbs.	10½" x 13½"	27.00
504	Double Beam, Tin Scoop.	240 lbs.	10½" x 13½"	27.00
506	Double Beam, Brass Scoop.	240 lbs	10½" x 13½"	30.00

Note.—In the platform sizes above, the **first** figure is the dimension parallel with the beam.

PLATFORM COUNTER SCALE

These are high capacity scales for counter use in weighing the heavier commodities.

They are equipped with nickel-plated double beam, the upper bar being graduated 15 lbs. x 1 oz. and the lower bar 50 lbs. x ½ lb.

No. 505 has the standard iron platform and No 521 has a sanitary marble platform.

If desired the scales can be fitted throughout with *agate bearings* at an additional cost

No.	Capacity	Platform	Price
505	250 lb. x 1 oz....	12 x 15 Iron.....	$44.00
521	250 lb. x 1 oz....	12½ x 15½ Marble.	47.00

COUNTER SCALE WITH SQUARE PLATE

These scales are of the regular counter type, with broad, stable base, rigid column and strong construction throughout, to weigh accurately up to 25 pounds. For weighing butter, cheese, meats and products of a similar nature, an opal glass plate 10 inches square is provided, firmly held in suitable prongs, and offering a highly sanitary and easily cleaned surface.

The *arrow-tip* brass beam may be single or double and has a notched top for use with the nickel-plated hanging poise provided. The beam is graduated 5 lbs. x ½ oz. on one or both bars, the full capacity being made up by loose nickel-plated weights for counterpoise. The scales are durably and attractively finished in baked enamel maroon. May be furnished with *agate bearings* at an additional price.

No.	Description	Capacity	*Beam	Plate	List Price
564	Sing. B.	25 lbs	5 lbs.	10" sq. O. Glass	$20.00
566	Dbl. Bm.	25 lbs.	5 lbs.	10" sq. O. Glass	23.00

*Beam graduated to ½ oz.

COUNTER SCALE WITH SCOOP

These scales are particularly sensitive, for use in weighing drugs and other materials calling for special accuracy. They are equipped with a brass scoop, well supported upon a broad fork, so as not to tip easily. The scoop furnished is seamless 14½" long x 7" wide x 4" deep. It is regularly fitted with an *arrow-tip* brass single beam. The beam has a notched top to hold a nickel plated hanging poise and full capacity is made up by nickel plated loose weights on a counterpoise. All scales are durably and attractively finished in baked maroon enamel and ornamented. May be fitted with *agate bearings* at an additional price.

Counter Scale with Scoop

No.	Description	Capacity	Beam	List Price
11490	Single Beam, brass scoop.	8 lbs.	8 x ¼ oz.	$19.00

35-lb. COUNTER SCALE WITH SCOOP

The beam is of heavy brass, and is fitted with brass, sliding poise graduated 5 lb. x ½ oz.

Loose weights make up the capacity of the scale. Durable and attractive finish in baked enamel, maroon.

No.	Beam	Description	Capacity	Price
584	5 lbs. x ½ oz.	Tin Scoop....	35 lbs.	$20.00

BASE BALL BATS
BELKNAP'S LEAGUE

Made of second growth ash, turned by experts; model designed and used by the leading big league stars, burnt oil finish. Each bat bears the autograph of John W. Price.

Per Doz

No. 150 Length 32 to 36 ins $38 85

One in paper bag, three doz in crate, wt per doz 32 lbs.

LOUISVILLE SLUGGER

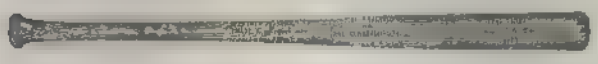
Special Notice—Louisville Slugger and Hillerich & Bradsby Co's. Bats are not guaranteed against breakage.

We will not make any adjustments on Lounsville Slugger or Hillerich & Bradsby Co's. broken Bats of any kind, regardless of how held.

Frank Frisch Model. Per Doz

No. 40FF—Made of second growth ash; burnt oil finish; taped handle; "trade mark" and signature of Frank Frisch burnt on barrel end; length 33 to 36 ins; wt per doz 34 lbs $53 40

One in paper bag; three doz in crate.

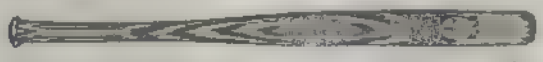


Bone Rubbed.

Made from second growth ash; hand turned; weather tempered. The bone rubbing closes the pores of wood and gives the bat a hard hitting surface. Per Doz

No. 250—Length 32 to 36 ins $66 00

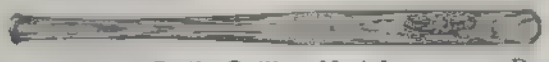
One in bag; three doz in crate; wt per doz about 27 lbs.



Ty. Cobb Model. Per Doz

No. 40TCJ—Ty Cobb, made from second growth ash, straight grain, hand turned, made from model used by the famous slugger, flame burnt finish, highly polished, with photo "Trade Mark" transfer of the celebrated batter; length 32 ins $23 70

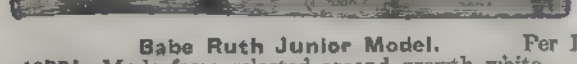
One in paper bag, three doz in crate; wt per doz about 28 lbs.



Eddie Collins Model. Per Doz

No. 40ECJ—This bat is made from the choicest stock and from the model of Eddie Collins, famous player of Philadelphia Athletics, with our golden mottled finish, photo "Trade Mark" transfer; length 32 ins $23 70

One in paper bag, three doz in crate; wt per doz about 28 lbs.



Babe Ruth Junior Model. Per Doz

No. 40BRJ—Made from selected second growth white ash; highly polished, golden flame burnt; Babe Ruth autograph on each bat; length 32 ins $23 70

One in paper bag, three doz in crate; wt per doz 27 lbs.

Semi Pro.

Second growth ash; lengths 33, 34 and 35 inches. Per Doz

No. 118—Brown stain finish, with white grip highly polished and taped; branded "Semi Pro" $23 70

One in paper bag; three doz in crate; wt per doz about 37 lbs.

†F. O. B. Kentucky Factory Only.

BASE BALL BATS
HILLERICH & BRADSBY CO.

Special Notice—Louisville Slugger and Hillerich & Bradsby Co.'s Bats are not guaranteed against breakage.

We will not make any adjustments on Louisville Slugger or Hillerich & Bradsby Co.'s broken Bats of any kind, regardless of how held.

Professional League. Per Doz

No. 16—Made of second growth ash, straight grain, hand turned, burnt oil finish, highly polished; taped handle; "Trade Mark" transfer; made in 12 models, assorted weights; lengths 32 to 36 ins $35 70

One in paper bag, three doz in crate; wt per doz 36 lbs.

Safe Hit. Per Doz

No. 15—Second growth white ash, 32 to 36 ins long, natural shellac finish, highly polished, transfer, branded "Safe Hit" $35 70

One in paper bag, three doz in crate; wt per doz about 37 lbs.

King Of The Field. Per Doz

No. 12—Made of second growth ash, straight grain, hand turned; golden finish, highly polished; "Trade Mark" transfer lengths 32 to 36 ins $23 70

One in paper bag, three doz in crate; wt per doz 36 lbs.

King of the Field. Per Doz

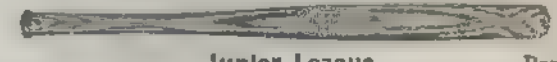
No. 13—Second growth ash, tape wound handle, 32 to 36 ins long, new golden finish, highly polished, with new transfer, branded "King of the Field" $23 70

One in paper bag, three doz in crate; wt per doz about 37 lbs.

Youth's Slugger. Per Doz

No. 42—Youth's Louisville Slugger, second growth ash, with our patented burnished finish, 32 ins long $17 85

Six doz in crate; wt per doz about 26 lbs.



Junior League. Per Doz

No. 4—Ash, 32 ins long, flame burnt, highly polished, branded "Junior League" $11 85

Six doz in crate; wt per doz about 26 lbs.

Cracker Jack. Per Doz

No. 2—Ash, 28 inches long, green stain, red bands, black stripes, highly polished, branded "Hillerich's Crackerjack" $6 60

Six doz in crate, wt per doz about 24 lbs.

Indoor Bats.

Made of ash, flame burnt, polished; taped.

Per Doz

No. 52—Length 33 ins $19 80

Three doz in crate; wt per doz 22 lbs.

BASE BALL BAT RACKS

HILLERICH AND BRADSBY CO.

Constructed of hardwood, varnished. Size at base 22x35 ins; height 60 ins.

Each

No. 75—Holds 144 bats **$10 50**

One in crate. K. D.; ship wt 50 lbs.

BAT BAGS

REACH

Made of heavy brown canvas, trimmed with strap leather.

Each

No. BB3—Club size; holds 6 bats..... **$12 60**

One in cardboard box; wt each 1½ lbs.

Made of extra brown canvas, strap leather trimmed; leather capped ends; round leather handles; to buckle. Each

No. BB1—Club size; holds 12 bats..... **+$15 45**

One in cardboard box; wt each about 3¼ lbs.

UNIFORM BAGS

REACH

For base ball players, tennis players and athletes. The convenient packing of uniforms so they will not wrinkle and soil, and yet may be easily carried, is an important item to every player. Are substantially made and have separate compartment for shoes, etc. Holds one complete uniform.

Made of best quality brown canvas; leather straps and handle. Each

No. F—Wt each 4 lbs **+$16 50**

One in cardboard box.

Drab canvas, bound edges; leather handle and straps; made with pocket for 1 bat. Each

No. BU—Wt each 2¼ lbs..... **$14 40**

One in cardboard box

+F. O. B. Pennsylvania Factory Only.

BODY PROTECTORS

—BELKNAP'S LEAGUE—

Front made of good quality light weight imitation leather, with high grade army khaki back; roll style leather binding; adjustable, elastic leather shoulder and back straps attached with non-rust nickel buckles.

Each

No. BP3—Wt each 4 lbs **$14 25**

One in cardboard box.

—BELKNAP'S PROFESSIONAL—

Front made of 8 oz. government khaki with twill back; roll style leather binding; adjustable, elastic shoulder and back straps attached with non-rust nickel buckles.

Each

No. BP4—Wt each 3 lbs..... **$12 00**

One in cardboard box

REACH

Men's size extra pad over shoulders; elastic shoulder strap; leather back straps; polished nickel buckles and snaps. Each

No. $P—Extra heavy khaki canvas; laced edge; wt each about 4 lbs... **$22 35**

No. $4—Khaki canvas; leather bound edge; wt each about 2 lbs..... **10 95**

No. $6—Extra heavy khaki canvas; leather bound edge; wt each about 4 lbs..... **16 50**

One in cardboard box.

LEG GUARDS

REACH

Big League Model.

Fibre shin pieces with adjustable leather back; moulded fibre knee protectors; leather bottoms and hinge; flexible parts padded with white felt.

Per Pr

No. LG—Wt per pair 2¼ lbs..... **$17 70**

Wrapped in heavy paper.

BELKNAP'S

Shin pieces made of heavy white duck, well padded with unbreakable rattan reeds that extend from instep and ankle to knee; knee caps made of sole leather reinforced with fibre and lined with napa leather and white felt. Flexible joint below knee cap.

Per Doz Pr

No. 1—Wt per doz pairs 36 lbs..... **$207 00**

Wrapped in heavy paper.

BELKNAP'S

Shin pieces made of extra heavy fibre, reinforced with leather and padded with white felt. Knee caps made of leather, lined with white felt; flexible leather padded joint below knee cap allows perfect freedom of action.

Per Doz Pr

No. 0—Wt per doz pairs 27 lbs..... **$270 00**

Wrapped in heavy paper.

BASE BALL BATS

LOUISVILLE SLUGGER

Special Notice—Louisville Slugger and Hillerich & Bradsby Co.'s Bats are not guaranteed against breakage.

We will not make any adjustments on Louisville Slugger or Hillerich & Bradsby Co.'s broken Bats of any kind, regardless of how held.

Kork Grip Handle.

Made of choicest selected second growth ash with the new Kork Grip handle. The cork absorbs the perspiration and prevents vibration made in different models. Oil tempered finish. Per Doz

No. 40K—Lengths 32 to 36 ins..... $69 30

One in paper bag, three doz in crate; wt per doz about 37 lbs.

Per Doz

No. 40TC—Ty Cobb, made from second growth ash, straight grain, hand turned, made from model used by the famous slugger, flame burnt finish, highly polished, with photo "Trade Mark" transfer of the celebrated batter; lengths 33 to 36 ins..... $53 40

One in paper bag, three doz in crate; wt per doz about 37 lbs.

Eddie Collins. Per Doz

No. 40EC—This bat is made from the choicest stock and from the model of Eddie Collins, famous player of Philadelphia Athletics, with our golden mottled finish, photo "Trade Mark" transfer; lengths 33 to 36 ins..... $53 40

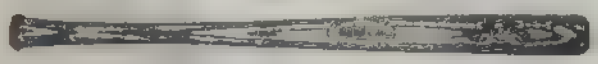
One in paper bag, three doz in crate, wt per doz about 37 lbs

Eddie Roush Model.

An exact duplicate of the model used by the hard hitting outfielder. Hand turned from extra selected second growth ash, special burnished, dark finish, medium size handle which affords a good grip; nicely balanced; photo "Trade Mark" transfer and autograph. Per Doz

No. 40ER—Lengths 32 to 34 ins..... $53 40

One in paper bag, three doz in crate; wt per doz about 37 lbs.



Tris Speaker Model.

This is an exact duplicate of the model used by "Tris Speaker" in the World's Series of 1912. Hand turned from selected ash, golden finish, light flame burnt background, perfectly balanced; photo "Trade Mark" transfer and autograph. Per Doz

No. 40TS—Length 33 to 36 ins..... $53 40

One in paper bag, three doz in crate; wt per doz about 36 lbs

Harry Heilmann Model.

Exact model used by Harry Heilmann, one of the leading sluggers of the American League. Made of extra selected second growth ash, turned by experts; old ash finish, highly polished; thin, special taped handle; fairly small barrel. Per Doz

No. 40HH—Length 33 to 36 ins..... $53 40

One in paper bag; three doz in crate; wt per doz 34 lbs.

BASE BALL BATS

LOUISVILLE SLUGGER

Special Notice—Louisville Slugger and Hillerich & Bradsby Co.'s Bats are not guaranteed against breakage.

We will not make any adjustments on Louisville Slugger or Hillerich & Bradsby Co.'s broken Bats of any kind, regardless of how held.

Made of extra selected second growth ash, turned by experts; cured in oil. Assorted models of famous sluggers. Golden finish. Per Doz

No. 125—Length 32 to 36 ins..... $53 40

One in paper bag, three doz in crate; wt per doz 34 lbs.

Babe Ruth Model. Per Doz

No. 40BR—Exact model used by Babe Ruth; made from selected second growth white ash, straight grain; oil-tempered finish; with registered "Trade Mark" on each bat. Length 33 to 36 ins..... $53 40

One in paper bag, three doz in crate; wt per doz 36 lbs.

George Sisler Model. Per Doz

No. 40GS—One of the most popular models used; made of selected second growth ash, silver bronze body golden handle, with registered "Trade Mark" photo and autograph transfer. Length 33 to 36 ins..... $53 40

One in paper bag, three doz in crate; wt per doz 35 lbs.

Hank Gowdy Model. Per Doz

No. 40HG—Made from second growth ash, straight grain, hand turned; flame burnt finish, highly polished; with photo "Trade Mark" transfer; length 32 to 36 ins; wt per doz about 37 lbs..... $53 40

One in paper bag, three doz in crate.

Ken Williams Model. Per Doz

No. 40KW—Made from selected second growth ash; straight grain; hand turned, dark brown finish; highly polished; length 33 to 36 ins; wt per doz 34 lbs..... $53 40

One in paper bag; three doz in crate.

Jake Daubert Model. Per Doz

No. 40JD—Made from selected second growth ash; brown flint finish; highly polished; extra small handle; photo and "trade mark" transfer; length 32 to 36 ins; wt per doz 33½ lbs..... $53 40

One in paper bag; three doz in crate.

Bingo Kelly Model. Per Doz

No. 40GK—Made from selected second growth ash; oil tempered finish; symmetrically tapered barrel; "trade mark" and signature of Bingo Kelly burnt on barrel end; length 32 to 36 ins; wt per doz 34 lbs..... $53 40

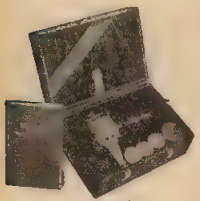
One in paper bag; three doz in crate.

VIBRATORS

HAMILTON-BEACH

The devices shown below consist of small light motors provided with a suitable handle, and to the shaft of the motor is attached a small coupling or fitting for holding the various applicators used. They are for use in the treatment of certain ailments where massaging is advised. Their use is much more effective and less fatiguing than manual massage. All types shown here give both the lateral or rubbing strokes for facial massage, and percussion or striking strokes for body treatments. They operate from any lamp socket. Each outfit is furnished with vibrator; six applicators, Nos. 1, 2, 3, 4, 6 and 7, as shown below, 6 feet cord and separable plug; and the 300-page book treating on the subject of vibratory massage; all packed in a handsome black leatherette carrying case lined with satin.

TYPE C



TYPE C

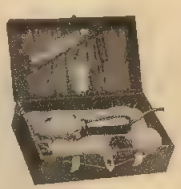
For professional use. Especially recommended for physicians, nurses, masseurs, barbers, and for energetic home treatment. Its nosepiece action gives the true Swedish rotary movement which medical science recognizes as the most effective stroke. Very powerful motor with seven speeds. Attractively finished in triple buffed and polished aluminum motor and shaft housing. Black japanned wood handle and 6 feet of heater cord and separable plug.

The following applicators are furnished with machine, Nos. 1, 2, 3, 4, 6 and 7. 1/30 h. p., 60 watts, 110 volts, 25-60 cycles A. C. motor

	Net wt. ea.	Ship'g wt. ea.	Each
Type C	3 lbs.	7 lbs.	$29.00

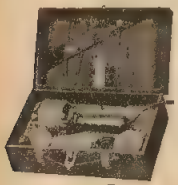
TYPE A

For home use. The motor shaft does not extend out from the motor housing as does Type C, shown above, hence the applicators are coupled much closer to the motor. This decreases the range of work which may be done, as it is impossible to reach the many places accessible to Type C only. Otherwise this outfit is practically the same as Type C. 1/50 h. p., 45 watts, 110 volts, 25-60 cycles, A. C. motor.



TYPE A

	Net wt. ea.	Ship'g wt. ea.	Each
Type A	2¼ lbs.	6¼ lbs.	$20.00



TYPE F

TYPE F

Very popular for home use when a moderate priced good vibrator is wanted. Very similar to Type A, shown above, except the motor housing is cast iron, highly polished nickeled finish, which makes this outfit somewhat heavier than Type A. Motor is just as carefully built and is fully guaranteed. 1/40 h. p., 50 watts, 110 volts, 25-60 cycles, A. C. motor.

	Net wt. ea.	Ship'g wt. ea.	Each
Type F	3 lbs.	6¾ lbs.	$19.00

All the above, one in a shipping carton.

TYPE D

Same as Type F, except it has a one-speed 1/40 h. p. Universal motor for use on 110-volt, 25 to 60 cycles A. C. or D. C. A push button switch for stop or start is in the handle. 50 watts.

TYPE D

	Net wt. ea.	Ship'g wt. ea.	Each
Type D	3 lbs.	6¾ lbs.	$17.00

One in a shipping carton.

APPLICATORS

For use with Hamilton-Beach Vibrators only.

The New-Life applicators shown here have been found to be the most practical to fill every need where vibration is advisable. Each is fitted with a little threaded stem, which may be readily screwed to the end of the shaft and quickly taken off and changed when desired. The first six are included with every New Life vibrator. Nos. 8 and 9 are special and are not furnished with vibrators.

No.		Each
1	Flat disc made of hard rubber for rubbing and kneading the muscles of the body	$0.50
2	Soft rubber, bell-shaped applicator, for face, neck, arms and bust	.50
3	Velvet sponge for the face, especially adapted to the treatment of eyes, nose and throat	.75
4	Round ball made of hard rubber, the most powerful applicator made for cases requiring vigorous treatment	.50
6	Soft rubber. A favorite for treating skin and scalp	.50
7	Soft rubber. 12-prong	.50
8	Bristle brush. Wonderfully effective for scalp treatment	1.00
9	Soft rubber rectal applicator	1.55

HAIR DRIERS

POLAR CUB

No. B-92—OLD IVORY FINISH

Standardization of the Polar Cub Motor enables this electric hair dryer to be put on the market at an extremely low price. Weighs only 27 ounces, small and easy to use. Equipped with blower of most efficient type. Has switch in handle for hot or cold air. Handle designed particularly to fit woman's grip. Nickel and ivory finish. Wonderfully well balanced. Has Universal motor for operating on A. C. or D. C., 110 volts. Easily oiled. Porcelain heating element guaranteed for one year. Separable two-piece plug and heavy cord.

No.	Each
B-92	$0.45

One in a box; eight in a case

No. B-92C—BLACK FINISH

This is the lowest priced hair dryer on the market, putting it within the range of any woman.

It is equal to B-92 Hair Dryer, except that it has hot air feature only and has black rubber enamel finish. We find upon investigation that the individual user very rarely uses cold air. We have therefore, eliminated cold air from this hair dryer.

Has single plug. Operates on A. C. or D. C., 110 volts.

No.	Each
B-92-C	$4.98

One in a box; eight in a case.

VIBRATORS

POLAR CUB

No. B-87

Lowest priced rotary motor vibrator on the market. A universal motor vibrator that operates on either D. C. or A. C., 110 volts. Comes complete with three applicators—brush, button and cup.

Circular vibrations, the only true form of massage. Automatic oiling system. Used on either A. C. or D. C.; socket rotator; spring friction relief. Fully guaranteed.

Two-part drawn steel shell and wood handle, finished in rubber enamel black. Length of handle, 4⅝ inches; length over all, 7 inches. Furnished with 5½-foot black twisted lamp cord and standard screw plug. Vibrator extension brass finished. 22 watts.

No.	Finish	Length handle	Length over all	Ship'g wt. ea.	Each
B-87	Black	4⅝ in.	7 in	2½ lbs.	$4.95

One in an attractive carton; twelve in a case.

No. B-91

Finished throughout in ivory, this vibrator makes a strong appeal to women who are naturally attracted by its beautiful appearance. It is the same mechanically as the B-87 vibrator, except for the handle fitting which has been improved considerably to obtain a rigid connection, practically freeing it from handle vibration. Equipped with heavy cord and two-piece separable plug.

No.	Finish	Length handle	Length over all	Ship'g wt. ea.	Carton	Each
B-91	Ivory	4⅝ in.	7 in.	2½ lbs.	12	$6.75

One in an attractive carton; twelve in a case.

WORLD AMUSEMENT SERVICE ASSOCIATION Inc.
ECONOMY SERVICE CO-OPERATION

Late Feature of the Leading Circuses

Hamilton Sisters

In Two Separate and Diversified Displays

1st Display. HAMILTON SISTERS Revolving at a Dizzy Speed on Special Unique Apparatus

2nd Display. DAINTY ETHEL MARINE. A Combination of Dental Daring on the Trapeze and Artistic Posing on the Spanish Webb

FASCINATING QUEENS OF THE AIR

EVERY ACT IN THIS CATALOG CONTROLLED EXCLUSIVELY BY WORLD AMUSEMENT SERVICE ASSOCIATION, Inc.
"SERVICE and SATISFACTION"

AN EXTRAORDINARY COMBINATION

FOUR PIERROTS

TWO ENTIRELY DIFFERENT FEATURES

ACT 1. A Pantomimic Comedy Act, in Which Elaborate Apparatus is Used to Display the Phenomenal Strength of the Lady Member of the Act.

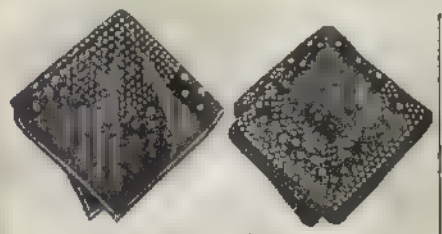
ACT 2. Presenting in White, Impressions of Famous Works of Sculpture, in a Masterful Manner.

EVERY ACT *IN THIS CATALOG CONTROLLED EXCLUSIVELY* BY **WORLD AMUSEMENT SERVICE ASSOCIATION, Inc.**
"SERVICE and SATISFACTION"

HANDKERCHIEFS

More profit for the retail merchant, more patterns to the dozen, more big values to sell for 10c 15c and 25c than anywhere else, that's our handkerchief plan. It works.

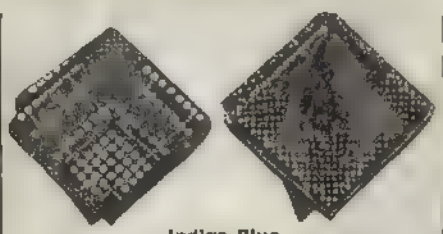
INDIGO BLUE HANDKERCHIEFS



Indigo Blue

New "Blue Jacket"—Tuxide, double process, front and reverse sides alike, pure Indigo blue dye absolutely fast. Assd. 1 doz. in pkg.

2D9442 Trade 18 in., actual 17½x17½ Doz **44c**
2D8408— " 21 " " 18 x18 " **78c**
2D9444— " 24 " " 22 x22 " **95c**



Indigo Blue

New "Liberty" Blue—Tuxide, double process, both sides alike, standard quality pure Indigo blue dye guaranteed fast. Assd. 1 doz. in pkg.

2D9453 Trade 18 in., actual 17½x17½ Doz **0.70**
2D9454 " 21 " " 21 x21 " **.98**
2D9455— " 24 " " 23 x24 " **1.20**

Indigo Blue

"Ironweave"—Specially constructed cloth insuring extra wearing qualities, guaranteed fast color. 1 doz. in pkg.

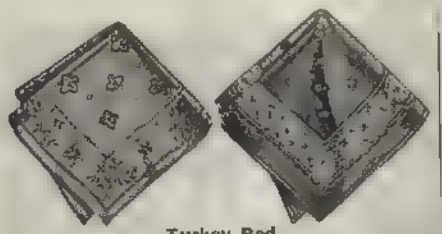
2D8811 Trade 21 in., actual 20½x21 Doz **1.08**

"WWWWWWWWWW" MEN'S WORK HANDKERCHIEF

Brown

2D9003 Actual 1 in. brown ground with white and blue borders, guaranteed fast colors. 1 doz. in pkg. Doz **89**

TURKEY RED HANDKERCHIEFS



Turkey Red

New "Red Jacket"—Tuxide, double process, bright alizarine dyed, both sides printed alike, new wide border patterns, guaranteed fast color. Assd. 1 doz. in pkg.

2D9430 Trade 18 in., actual 17½x17½ Doz **44c**
2D8405— " 21 " " 18 x18 " **78c**
2D9415— " 24 " " 22 x22 " **95c**

Turkey Red

New "Liberty" Red—Tuxide, double process, fast dyed standard quality, up-to-date wide border designs. Both sides alike. Guaranteed fast color. Assd. 1 doz. in pkg.

2D9905 Trade 18 in., actual 17½x17½ Doz **0.70**
2D9906— " 21 " " 21 x21 " **.98**
2D9907 " 24 " " 23 x24 " **1.20**

Turkey Red

"Ironweave"—Specially constructed cloth, insuring extra wearing qualities, guaranteed fast color. 1 doz. in pkg.

2D8810— Trade 21 in., actual 20½x21 Doz **1.08**

See nearby pages for America's greatest values in Women's HandKerchiefs. Every number is a live wire trade winner

MEN'S PLAIN WHITE HANDKERCHIEFS

Cut square, clean yarns, carefully hemstitched. Full laundered and ready for use.

¼ In. Hem

2D8410 About 14x14½ in., soft finish lawn, ¼ in. hemstitched border. 1 doz. in pkg. Doz **39**

16x17 Inches

2D8805—16x17" size, ¼ in. hemstitched border, soft yarns, longfold. 1 doz. in pkg. Doz **45**

17x17 Inches

2D9904 17x17, soft finish cotton, ¼ in. hemstitched border. 1 doz. in pkg. Doz **60**

Carded Yarn

2D8845—**Meadow Bleach**", 16x16½ extra soft finish carded yarn, ¼ in. hemstitched border. 1 doz. in pkg. Doz **65**

Fine Count Yarn

2D8409 17x17 clean soft finish yarn, fine count, ¼ in. hemstitched border. 1 doz. in box. Doz **68**

Special Packing

2D9352 "Purity," 16½x16½, soft finish well bleached fabric, ¼ in. hemstitched border, launders like new. 3 in env., 5 doz. in carton. Retails 3 for 25c. Doz **67**
10 doz. or more, Doz **64**

AMERICA'S BEST 10c HANDKERCHIEF

For Men—Plain White

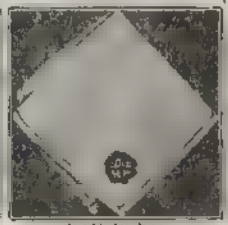
Several more stitches to the inch than others selling around this price. Contains no filling.

2D8809 17 x 17 soft finish pure shrunk cotton carded yarn, 64x60 count, ¼ in. fine hemstitched border, 13 stitches to in. 1 doz. in pkg. Doz **72**

10 doz. or more, Doz **65c**

Special Packing

2D9351 "Purity," 16 x 16 soft finish well bleached fabric, ¼ in. hemstitched border, launders like new, each in env. 3 doz. in carton. Retails 3 for 10c. Doz **75**



16x18 Inches

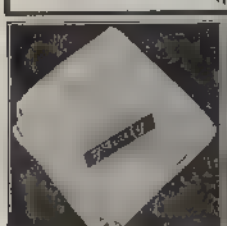
2D8830—"Gold Seal" 18x18, 68x72 count, soft woven cotton, finely hemstitched border, perfectly clean, each in env. 1 doz. in pkg. Doz **78**
12 doz. or more, Doz **75**

Very Soft

2D9912—"Quality," 17½x17½, 68x72 count, soft finish yarns, ¼ in. hemstitched border, long cloth. 1 doz. in pkg. Doz **78c**

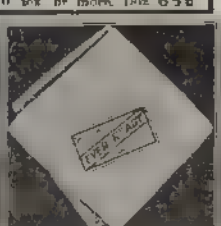
Extra Fine Cloth

2D9946—"Meadow Bleach" 18x18, extra fine count, special soft finish, ¼ in. hemstitched border. 1 doz. in pkg. Doz **78**



Special Packing

2D9354 "Purity," 18 x 18 soft finish well bleached fabric, ¼ in. hemstitched border, launders like new. 2 in env., 4 doz. in carton. Retails 2 for 25c. Doz **88**



2D9550 "Ever Ready," 18x18 in., soft finish, cotton fabric, long staple yarns well bleached and finished, ¼ in. hemstitched border, 2 in. blue and gray card board pkg., 3 doz. in carton. 1 doz. **89**
12 doz. or more, Doz **82**

Pride of the Loom

2D9889 "Pride of the Loom," 18x18 in., ¼ in. hemstitched border, this world famous fabric makes this most reliable cotton handkerchief possible. Each one packed Doz **1.25**

MEN'S "PURITY" WHITE HANDKERCHIEF

Imported Irish Linen

We haven't seen the equal of this value anywhere else in the country. It will bring customers back for more. Each in sanitary glassine envelope.

2D8414—"Purity," all linen, 17x17, imported Irish linen, ¼ in. hemstitched border, each in "Purity" glassine env., stamped, "All Linen, Made in Ireland." To retail at 25c each. 1 doz. envs. in pkg., special combination Doz envs **2.00**

"PURITY" Package Handkerchiefs
Men's Plain White

No handkerchief stock is complete without these fast turning numbers. You get a real price advantage when you buy here.

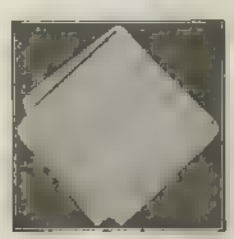
Well bleached. Packed in sanitary glassine envelopes.

2D9353 Retail "3 for 25c," 11x11 in., hemstitched, soft finish, well bleached fabric. Unbordered. Dozen in carton. Doz ***67**
10 doz. or more, Doz ***64**

2D9383 Retail "1 for 10c," 11x11 in., hemstitched, soft finish, well bleached fabric. Unbordered. Dozen in carton. Doz **75c**

2D9354 Retail "2 for 25c," 11x11 in., hemstitched, soft finish, well bleached fabric. Unbordered. Dozen in carton. Doz **88c**

MEN'S "BELFAST" IMPORTED IRISH LINEN HANDKERCHIEFS



17x17 in., imported pure Irish linen, ¼ in. hem.

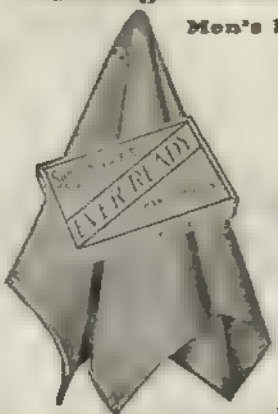
Aeroplane Linen—

Count	In Pkg.	Doz
2D8921—1200	1 doz.	**$1.88**

White Linen—

Count	In Pkg.	Doz
2D9383—1200	1 doz.	**$2.25**
2D9384—1500	1	**3.25**
2D9396—1800	1	**4.25**

"EVER-READY" Package Handkerchiefs
Men's Plain White



You will be astonished at the degree of quality that is crowded into this number to retail at 2 for a quarter. Attractive 2 color cardboard package.

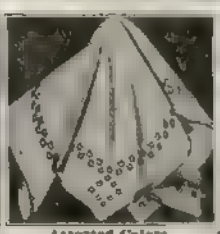
Sanitary packing insures fresh clean stock at all times.

2D9350—Retail "2 for 25c," 18x18 in., carefully selected 64x72 count fine long staple yarns, well bleached and finished. 4 in. hem. 2 in blue and gray cardboard package. 3 doz. in carton.
Doz **89**
12 doz. or more Doz **82c**

MEN'S FANCY HANDKERCHIEFS

Assorted Colors
2D9993—16x16, ½ in. hemstitched border, assorted fine fancy woven cords with white woven effects. Asstd. patterns and colors. 1 doz. in pkg. Doz **78c**

Satin Stripes
2D9996—15x15 quality lawn white woven combination cord and satin stripe, ½ in. hemstitched satin border. Assorted satin stripe inner borders. Asstd. 3 styles. 1 doz. in pkg. Doz **78c**



Assorted Colors
2D8402—16½ x 16½ solid color hemstitched borders, imported pillow checks, dots, novelty print effects. Asstd. patterns and colors. 1 doz. wrapped. Doz **75c**

Assorted Colors
2D9994—Imported, ½ in. hems stitched border, assorted fine and lavender woven cords with white woven cluster stripes. Asstd. patterns and colors. 1 doz. in pkg. ...Doz **78c**

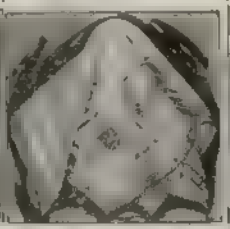
Assorted Colors
2D9995—16 x 16½, ½ in. hemstitched border, assorted fine and lavender woven cords with white woven cluster stripes. Asstd. 3 styles. 1 doz. in pkg. Doz **87c**

Satin Stripes
2D8417—16½ x 16½ well bleached combed yarn ½ in. hemstitched border, 3 combinations woven cord and satin stripe inner borders. 1 doz. in pkg. Doz **1.10**

Satin Stripes
2D9867—2 styles, 17x17, soft finish, white lawn, ¼ in. hemstitched border, woven inner satin border in combination large and small effects. Asstd. 1 doz. in pkg. Doz **1.25**

Assorted Colors
2D9538—"Spart," 18 x 18 inch woven cords and stripes, 2 designs, 4 color yarns, ¼ in. hems, fast color border to match stripe. Assorted colors. 1 doz. in pkg. Doz **$2.10**

Satin Stripe
2D9419—"Prince of Wales," 17x17, 3 designs, woven in fine soft finish cord and yarns, ¼ in. hems, fast color. French woven cluster cord and pure white satin woven. Inner borders. Asstd. 1 doz. in pkg. Doz **$2.00**



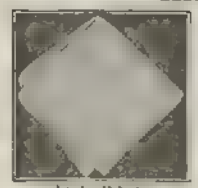
Assorted Colors
2D9867—"Prince of Wales," 17x17, 3 designs, woven in fine soft finish cord and yarns, ¼ in. hems, fast color. French woven cluster cord and pure white satin woven. Inner borders. Asstd. 1 doz. in pkg. Doz **$2.10**

"JAPANETTE" INITIALED

Silk Initialed
2D9463—16 x 16, ½ in. soft finish Japanette with silk embroidered initial. Assorted colors. Assorted initials. 2 doz. in pkg. Doz **78c**

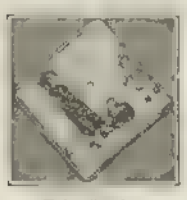
Silk Initial
2D8822—18 letters, 17x17, special soft finish Japanette with hem, shot border, 1¾ in. silk embroidered initial. Asstd. 2 doz. in box. Doz **95c**

CHILDREN'S HANDKERCHIEFS



Plain White
2D8560—12x12, plain white soft finish lawn, ¼ in. hem. 1 doz. in pkg. Doz **30**

Fancy Stories
2D9208—"Uncle Wiggily" Story Book Characters, 4 in one, 2 designs, 4 color effects, from children's stories, Bill Bailey, Cinderella, Jack and the Beanstalk, Cinderella, etc. Asstd. 1 doz. in pkg. Doz **46c**



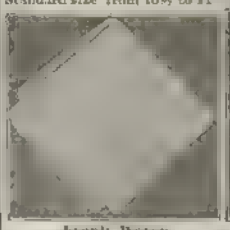
Fairy Stories
2D9742—Wee Friends, "The Fairy Handkerchief," 11x11 in., soft finish, fancy printed borders of fairy stories with characters, plain white center, assortment of 12 fairy stories. Assorted stories in pkg. Doz **46c**

Story Book Scenes
2D9988—"Dolly Dear," Imported, 11x11 in., novelty prints, 4 different French color scenes of 4 different story book scenes. Asstd. 1 doz. in pkg. Doz **$1.05**

WOMEN'S HANDKERCHIEFS—Plain and Colors

PLAIN WHITE

All finely woven, soft finish, carefully finished lawn. Standard size from 10½ to 11 inch.



Irregular Woven
2D8900—Lawn, regular woven, ¼ in. hem. 1 doz. in pkg. Doz **27**

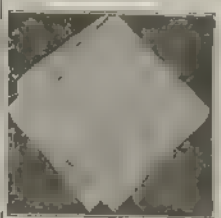
Imported Lawn
2D8541—Cobweb Cold Seal, "11x11 inch, soft finish, ¼ in. hem. 1 doz. in pkg. Doz **65c**

Soft Finish
2D9359—Soft lawn, ¼ in. hem. 1 doz. in pkg. Doz **35**

Fruit of the Loom
2D8431—Nainsook, specially constructed soft finish cloth, ¼ in. hem, hemstitched. 1 doz. in pkg. Doz **72c**

"BELFAST" IMPORTED IRISH LINEN

The prices of this famous brand are low for such good quality because makers that no merchant can afford not to carry.



11x11 In.—Imported pure Irish linen, ¼ in. hem. 1 doz. in pkg.
Doz
2D9111—1100 count **88c**
2D9387—1200 count **1.20**

10½x10½ In.—Imported pure Irish linen, ½ in. hem. 1 doz. in pkg.
Doz
2D9130—1400 count **$1.50**
2D9388—1800 count **1.85**

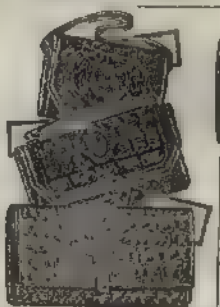
PLAIN—SOLID COLORS

Assorted Colors
2D8441—Soft finish lawn, fine count, hemstitched border. Assorted colors. 1 doz. in pkg. Doz **40**

Assorted Colors
2D9867—10x10, solid color pure linen, ¼ in. hemstitched border, assorted rose, helio, gray, blue, pink and maize. 1 doz. in pkg. Doz **89c**

NEW MODELS in HAND BAGS — BOSTON BAGS

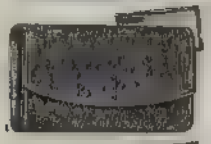
WOMEN'S GENUINE LEATHER BAGS



J9240—Vanity 7x14 under arm styles, average size, fancy grained genuine leathers, with pouch, mirror, coin purse, change purse, key ring, metal corners. Assd. black, brown, gray, and navy. 2 doz. in case. Doz **$8.75**

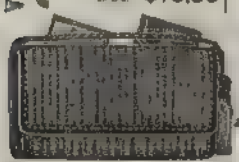
J9272 Under arm style, black grain genuine black vachetta leather, 8½x5½, mirror, coin, bill and change purse, heavy silk cord and tassel. 1 in box. Each **$3.25**

J9271 Vanity genuine brown calf leather, fancy stripe crepe lined, change purse, mirror, strap handle, outside flap for handkerchief, key clasp. 1 in box. Each **$3.00**



J9241—8 arm and vanity styles, genuine leather, average 8x5, in assorted black, brown and mahogany colors, handsome grained finishes with silver trimmings. Assd. ½ doz. in box. Doz **$15.50**

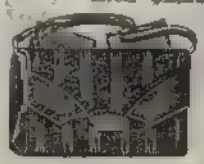
J9274—Under arm vanity, genuine brown calf, colors, size 11x8½, fully lined, outer flap with gilt initials, shopping pocket, pocket case, mirror, coin purse, change purse, key ring, and change purse with strap and chain handle, strap handle at top. 1 in box. Each **$4.50**



J9275 Vanity, brown genuine seal grain leather, size 8½x5½, outer flap with gilt initials, mirror, leather lined, pocket and coin purse, strap handle. 1 in box. Each **$1.60**

J9276—Under arm style, genuine leather, size 8½x5½, outer flap with gilt initials, mirror, leather lined, pocket and coin purse, strap handle. 1 in box. Each **$5.25**

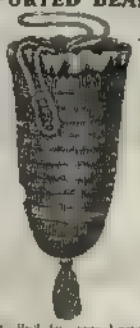
J9277—Under arm envelope, genuine leather, embossed serpent design, leaf style, black, safety catch frame, inside coin purse and mirror, silk cord and tassel. 1 in box. EACH **$2.25**



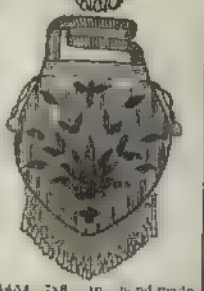
J9248 Vanity, genuine brown leather, fancy stripe of beaver grain, stitched in, pin tucked, outer flap, change purse, coin purse, mirror, strap handle, fancy clasp. 1 in box. Each **$2.50**

J9220 Under arm style, black genuine pin seal leather, double leather gussets, fine quality, reinforced, swinging mirror, inside pocket, strap and gold filled clasp, silk lined, strap handle. 1 in box. Each **$6.75**

IMPORTED BEADED BAGS



J4442 Red fringe and steel long shaped mesh bag, with top, bottom and sides beaded, lined with red, drawstring top. Assd. 1 in box. Each **$7.50**



J4434 7x8 in. hand made fringe bag, silk lined, with inside pocket, mirror, change purse and coin purse, drawstring top. Assd. colors. 1 in box. Each **$2.50**
12 or more. **2.25**

J4440 6x8 in. oval shape black beaded bag, with gilt frame, silk lined, drawstring top. Assd. 1 in box. Each **80c**

J4441 6x8 in. oval shape, silk fringe, silk lined, drawstring top. Assd. 1 in box. Each **$1.60**

J4414 8 in. oval shape all over fancy design in black pearl and steel finish frame, inside purse, change purse, mirror and pocket. 1 in box. Each **$2.95**

J4443 3 in. oval shape light and dark beads, purse size, inside pocket, silk lined, drawstring top. Assd. 3 in box. Each **$2.25**

J4438 Fancy shape bag, all over beaded design, inside pocket, silk lined, drawstring top, mirror head, beaded tassel. 1 in box. Each **$5.50**

CHILDREN'S AND MISSES' BAGS

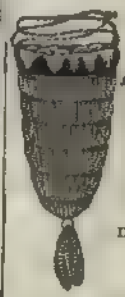
J9199 Vanity with flap 4½x3½ in. leather, assorted red, green, brown, tan and gray, inside mirror, strap handle. Assd. 2 doz. in box. Doz **89c**

J9200 3 styles, 3½ in. real leather, light and dark tan, blue, red, embossed birds, flower and leaf and dice designs, fancy hair line. Assd. 2 doz. in box. Doz **89c**

J9195—3 styles, about 4½x3½ in. genuine seal pouch styles, grain leather, smooth finish, lined at top in gray and brown and navy bright colors, embossed features, strap and chain handles. Assd. 1 doz. in box. Doz **$1.95**

J9198—3 styles, 4½x3½x1½ in. and 4½x3½x2½ in. styles, color kerati covered, in top side cover, change purse, snap fastener, strap handle. Assd. 2 doz. in box. Doz **$1.95**

J9238—4x3½ in. genuine leather patent finish, assorted blue, green, gray tan and red, swinging mirror, stitched strap handle. Assd. 1 doz. in box. Doz **$1.95**



J4428 Bead bag, 4x7 in., velvet, 2 tone amber and steel colors, with beads and metal pendant, cloth lining. Assd. 1 doz. in box. Doz **$3.75**

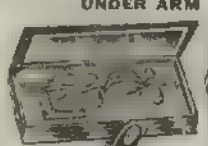
J9260—4x3½x1½ in. fancy colored leather covered large mirror in cover, suspended Bakelite purse, attached to silk strap handle, snap and fastenings. Assd. ½ doz. in box. Doz **$3.75**

J9232 4½x3½ in. genuine leather, pearl silk lined, green, gray, tan, brown and red, jewel style set, nickel plated frame, inside coin purse, mirror, strap handle. Assd. ½ doz. in box. Doz **$4.25**

FABRIKOID SHOPPING BAG

J9301 2 styles, 13½x16 in. and 11x14 in., black grained fabrikoid, leather reinforced bottom, leather corners, leather strap handles, cotton lining, inside pocket. Assd. 1 doz. in pkg. Doz **$2.25**

UNDER ARM VANITY BOXES



J9234 4 styles, 4 black or mahogany finish, genuine imported leather covered wood boxes, with inside mirror, change purse, coin purse, pocket, fancy design, nickel plated frame, strap handle, nickel snap clasp. Assd. ½ doz. in box. Doz **$8.75**

NOVELTY METAL VANITY BOX

J4414 3x1½ in. metal box, engraved red, green, blue, lavender finish, one side, built-in mirror, pocket, patent leather handle. Assd. 1 doz. in box. Doz **$2.25**

BOSTON BAGS

J9316 10 in., 3 piece, fancy grain cow hide leather strap with buckle, fancy cloth lining.
J9316—BLACK
J9316—BROWN
EACH **$1.80**

J9316 [illegible] in. [illegible] genuine cow hide leather, with pocket, swivel and metal frames, 4 metal ball feet, stitched sides and bottom, fine grade double strap handles. ½ doz. in box. DOZ **$13.50**

J9316 [illegible] in. [illegible] genuine cow hide leather, with pocket, swivel and metal frames, 4 metal ball feet, stitched sides and bottom, fine grade double strap handles. ½ doz. in bundle. Doz **$9.00**

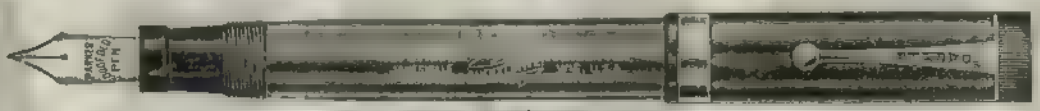
PARKER SAFETY-SEALED FOUNTAIN PENS

PARKER PENS

"DUOFOLD"—Safety Self-Filler

Quantity prices on Parker Pens and Pencils apply on one style or assorted styles

Most widely advertised and one of the most extensively used of all fountain pens. For many years the name "Parker" has stood for quality and now their new improvements have put them far ahead of all others in up-to-dateness



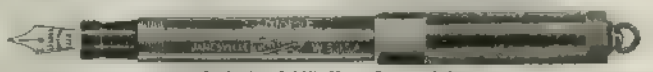
J5027 "Full size "Duofold," 5½ in. long, red Chinese lacquer effect barrel, black ends, gold filled pocket clip
J5030—Full size "Duofold," 5½ in. long, black barrel throughout, gold filled pocket clip
1 in box, Each $5.25
Lots of 4 or more, Each 4.67

Here Are Parker "DUOFOLD" and "D. Q." Talking Points—

1. The press button filler, capped inside the barrel and out of harm's way
2. Simple filling action—press the button, release and count 10, while the pen drinks its big fill of ink
3. Inner sleeve in cap forms ink-tight seal on the pen cannot leak
4. Gold band reinforcement on "Duo-fold" pen caps.
5. "Lucky Curve" capillary feed produces steady flow.

"Duofold Jr." About ⅔ actual size.

J5028—"Duofold Jr.," 4½ in. long, red Chinese lacquer effect barrel, black ends, gold filled pocket clip
J5060—"Duofold Jr.," 4½ in. long, black barrel throughout, gold filled pocket clip
1 in box, Each $3.75
Lots of 4 or more, Each 3.34



"Lady Duofold" About ⅔ actual size

J5029—"Lady Duofold," 4½ in. long, red Chinese lacquer effect barrel, black ends, ring attachment
J5061 "Lady Duofold," 4½ in. long, black barrel throughout, ring attachment
1 in box, Each $3.75
Lots of 4 or more, Each 3.34

"D. Q." STUDENTS' PENS

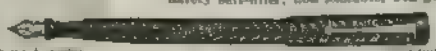
Screw cap with white gold filled band, 14k gold pen, hard iridium point, black chased barrel.

J5092—5¼ in. long, with pocket clip
J5090—4½ in. long, with pocket clip
1 in box, Each $2.25
Lots of 4 or more, Each 2.00
Lots of 12 or more, Each 1.80

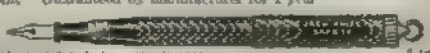
J5084 4½ in. long, ring attachment
1 in box, Each $2.25
Lots of 4 or more, Each 2.00
Lots of 12 or more, Each 1.80

PARKER "LUCKY CURVE" PENS

Safety self-filler, non-pokable, 14k gold No. 2 pen, hard iridium point. Guaranteed by manufacturer for 1 year



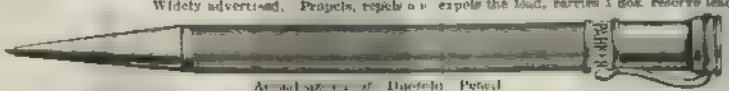
J5017—With pocket clip
1 in box, Each $2.06
Lots of 4 or more, Each 1.83



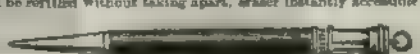
J5028—With gold filled ring attachment
1 in box, Each $2.06
Lots of 4 or more, Each 1.83

PARKER "DUOFOLD" NON-CLOG PENCILS

Widely advertised. Propels, repels and expels the lead, carries 1 doz. reserve leads, can be refilled without taking apart, eraser instantly accessible



Actual size of Duofold Pencil



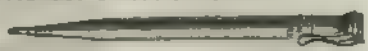
Illustrating Ring End Style

RED Chinese lacquer effect holder, gold filled ends
J5106—4½ in. long, with pocket clip
J5108—4½ in. long, with ring top
1 in box, Each $2.63
Lots of 4 or more, Each 2.33
Lots of 12 or more, Each 2.10

BLACK holders, gold filled ends
J5110—4½ in. long, with pocket clip
J5111—4½ in. long, with ring top
1 in box, Each $2.63
Lots of 4 or more, Each 2.33
Lots of 12 or more, Each 2.10

PLAIN AND FANCY PARKER PENCILS

Nickel Plated, Plain—
J5100—4½ in. long, with pocket clip
J5101 4½ in. long, with ring attachment
1 in box, Each $0.75
Lots of 4 or more, Each .67
Lots of 12 or more, Each .60



Sterling Silver, Plain—
J5104—5¼ in. long, with pocket clip
J5105 4½ in. long, with ring attachment
1 in box, Each $1.88
Lots of 4 or more, Each 1.67
Lots of 12 or more, Each 1.50

Triple Nickel Plated, Chased
J5102—5¼ in. long, with pocket clip
J5104 4½ in. long, with ring attachment
1 in box, Each $1.13
Lots of 4 or more, Each 1.00
Lots of 12 or more, Each .90

Gold Filled, Plain—
J5106—4½ in. long, with pocket clip
J5107—4½ in. long, with ring attachment
1 in box, Each $2.25
Lots of 4 or more, Each 2.00
Lots of 12 or more, Each 1.80

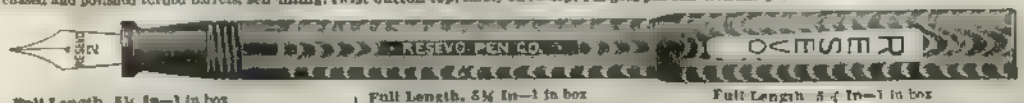
LEAD REFILLS

J5112 12 leads in wood tube, 4 doz. tubes in card board box
Doz. tubes 80c
Lots of 12 doz. tubes, Doz. tubes 72c

QUANTITY PRICES ON PARKER PENS AND PENCILS APPLY ON ONE STYLE OR ASSORTED STYLES

"RESEVO" FOUNTAIN PENS

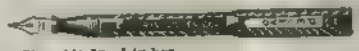
Black chased and polished turned barrels, self filling, twist button top, safety screw cap, 14k gold pen and iridium point



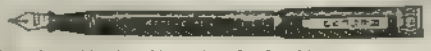
Full Length, 5¼ In.—1 in box
J5083—No. 2 pen, nickel pocket clip, Each $1.25

Full Length, 5¼ In.—1 in box
J5081 No. 3 pen, gold filled pocket clip, Each $1.75

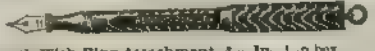
Full Length, 5¼ In.—1 in box
J5085 No. 4 pen, gold filled pocket clip, Each $2.00



Vest Pocket Size, 4½ In.—1 in box.
J5080 No. 2 pen, nickel pocket clip, Each $1.25
J5087 No. 3 pen, gold filled pocket clip, 1.75



Full Length, Gold Filled Mounting, 5¼ In.—1 in box
J5090 No. 3 pen, gold filled pen and pocket clip, Each $1.75
J5091 No. 4 pen, gold filled pen and pocket clip, 2.25

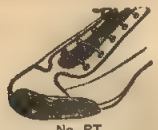


Short Length With Ring Attachment, 4½ In.—1 in box
J5088 No. 2 pen, gold filled ring attachment, Each $1.25

Simple, Quick and Easy Operation
Good Reliable Pens at Moderate Cost

ATHLETIC GOODS

PITCHERS' TOE PLATES



No. PT

To be worn on toe of shoe, affording excellent protection and an aid in pitching.

No.		Each
PT	Aluminum	$0.25

Specify for right or left shoe.

TOE AND HEEL PLATES

NOS. 1-T AND 7-T

NOS. 1-H AND 7-H

No.		Per 100 pairs
1-T	Spec. quality blued steel, sharpened	$25.00
1-H	Spec. quality blued steel, sharpened	25.00
7-T	Fine quality steel, blued finish	20.00
7-H	Fine quality steel, blued finish	20.00

One pair of heel or one pair of toe plates in an envelope.

Twelve pairs in a box.

WRIST SUPPORTERS

Double Strap

No.		Each
15	Black leather, leather lined	$0.75
13	Selected Russia tan leather	.50

Single Strap

No.		Each
7	Best quality oil dressed cowhide, soft and flexible	$0.50
5	Tan colored Cordova leather	.35
6	Selected tan leather	.35

Twelve in a box.

ATHLETIC SUPPORTERS

No. 205

No. 206

No. 205

Elastic waist and leg bands. Flesh colored. Jersey pouch.

No.		Each
205		$0.63

No. 206

Flesh colored, sateen pieced, elastic waist band. Regulation two-piece pattern.

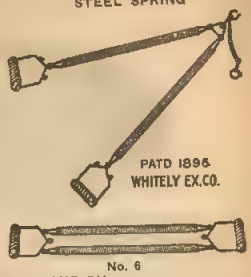
No.		Each
206		$0.75

Six in a box.

WHITLEY SPRING EXERCISERS

GUM SPRING STEEL SPRING

NOS. OM AND OH



No. 6

NOS. OM AND OH

Pure gum cable of many strands. Adjustable handles and swivel attachments. Japanned wood pulleys, with door attachment and package of hooks.

No.		Wt. each	Each
OM	Medium cables	1½ lbs.	$4.50
OH	Heavy cables	1½ lbs.	4.50

One in a box.

No. 6

Made of oil tempered steel and fitted with strong tape, which limits the stretch to about 7 feet. Also safety chain. Is convertible. By detaching hand grip and fastening to opposite end it is changed to a single or double strand chest pull.

No.	Wt. each	Each
6	2¼ lbs.	$4.50

One in a box.

CROQUET SETS

NOS. 1 TO 6

Eight-ball Set. Turned by hand. Eight finely painted mallets, six inches long. Nine-stripe handles, highly polished. Three-stripe balls. Two large beaded fancy striped stakes and heavy galvanized arches.

No.	Wt. per set	Per set
1	27 lbs.	$12.00

Eight-ball Set. Full varnished, selected polished balls, white maple handles. Three painted stripes on balls and wide striped handles. Beaded mallets 5⅛ inches long. Fancy stakes and galvanized arches.

No	Wt. per set	Per set
4	23 lbs.	$8.50

Eight-ball Set. Rock maple balls and stakes, painted and varnished. Plain beaded mallets with maple handles. Ten polished iron arches.

No.	Wt. per set	Per set
3	20 lbs.	$7.20

Four-ball set. Cheap professional. Full varnished and striped balls, handles and stakes. 8-inch long mallets and short handles, painted and striped. Fancy stakes and galvanized arches.

No.	Wt. per set	Per set
5	17 lbs.	$7.00

Four-ball Set. Rock maple balls and stakes, painted and varnished. Plain beaded mallets, with maple handles. Ten polished iron arches.

No.	Wt. per set	Per set
6	13 lbs.	$4.50

One set in a hinged box.

WASHING MACHINES

"MOTOR"

High Speed. Hand Power.

Louisiana Red cypress tub; hoops and all gearing aluminum finish; corrugated sides and bottom on inside of tubs; stave legs.

The four-winged wooden dolly sends 320 gallons of suds through the clothes each minute.

All gearing is encased to prevent accidents. All gears are machine cut, making an absolutely smooth running gear with the least possible friction. There is no racking of the balance wheel and noise is practically eliminated.

Outside dimensions, diameter of tub at top 21 inches; diameter at bottom 25 inches; depth inside 15 inches; height 28½ inches.

	Each
No. 6—Wt each 90 lbs	$45 00

One in crate.

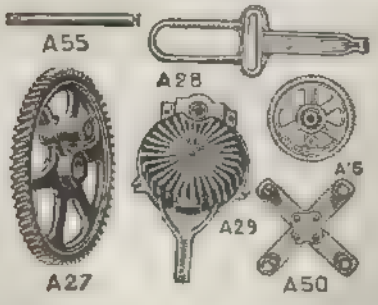
RESTRICTIONS GOVERNING THE SALE OF NO. 6 WASHING MACHINE

In quantities of not less than six machines >ll each less. We are permitted to sell in the following counties of Illinois

Cass, Champaign, De Witt, Douglas, Ford, Fulton, Hancock, Henderson, Iroquois, Knox, Logan, Macon, Mason, Menard, Morgan, McLean, McDonough, Pratt, Sangamon, Schuyler, Tazewell and Warren.

We cannot sell No. 6 Motor High Speed Washers North of the Ohio or West of the Mississippi Rivers, elsewhere than above.

REPAIR PARTS FOR No. 6 MOTOR WASHING MACHINES



	Each
No. A55—Square end dolly shaft	$1 35
No. A27—Main drive gear 64 teeth spiral cut ⅝ in. hole	4 50
No. A28—Rack for main casting	3 30
No. A29—Main casting	5 25
No. A16 Main drive gear 54 teeth	4 50
No. A50—Wing dolly	3 75

WASHING MACHINES

HAPPY HOME, STEAM WASHER

Washing machine consists of reservoir, perforated, revolving zinc cylinder, removable top, malleable iron crank and fittings.

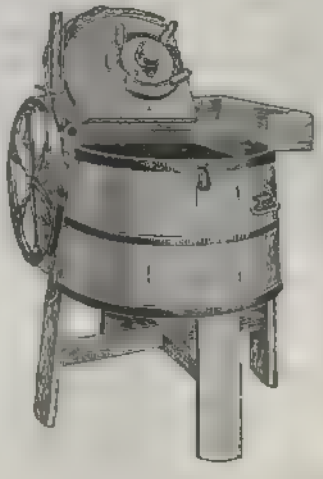
Designed to do a family washing in one hour, without the use of chemicals or washboard.

Built on the same principle and works like the commercial washing machines used in laundries

May be used on any cook stove or gas hot plate. Cylinder will wash from 12 to 17 sheets at one time. Capacity cylinder 4 gallons; diameter 12 inches; length 19 inches; length reservoir 22¼ inches; width 14½ inches; height 10¾ inches.

	Each
No. H-H2—Galvanized steel reservoir and top, gray enameled	$39 00
No. H-H1—Copper reservoir and top	52 50

One in carton; shipping wt each 35 lbs.



HORTON

Hand Power.

Red cypress tub, natural finish and varnished; heavy steel hoops; legs are extended, staves strongly braced. Hinged wood cover; heavy mechanism is on side of tub and not on lid to be lifted; dolly post guarded to prevent tearing clothes.

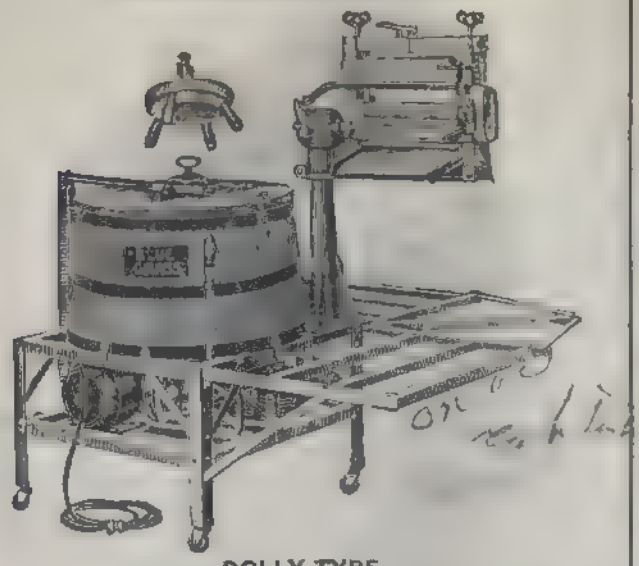
Cut gears that mesh perfectly and require very little power. Lever can be placed in either horizontal or perpendicular position. So designed that fly wheel may be exchanged for 8 inch belt wheel suitable for engine power.

	Each
No. 22—Diam top 20½ ins; diam bottom 22½ ins; depth 13 ins	42 75
Crated, shipping wt each 100 lbs.	*$18 00*

For prompt service, quality merchandise and right prices send your orders to us.

WASHING MACHINES "Also Dept. 5."

—BLUE GRASS—ELECTRIC



DOLLY TYPE

Equipped with accurately cut gears completely enclosed and operating in hard oil which insures smooth running and prevents wearing. Tub equipped with special lid locking device that holds lid in place and prevents wearing and working loose of hinges. Non-leak brass drain cock threaded for hose, drains tub from bottom. All power mechanism is under the frame and out of the way

Frame of high grade angle steel reinforced and braced on all corners with all sections securely riveted together, aluminum finish. Mounted on easy rolling steel casters. The steel extensions for holding three tubs are hinged to the side of main frame and provides substantial support for the tubs. When not in use they are folded down close against the frame.

Improved splash-proof motor, specially designed and with excess power to more than take care of heavy load on both washer and wringer. Equipped with improved adjustment for tightening or loosening belt by turning adjusting knob.

Ball-bearing swinging type wringer with special 12 inch power electric rolls made of highest quality rubber. Equipped with shifting lever that starts, stops and reverses rolls with perfect ease, regardless of load. Special lever permits swinging and locking of wringer in any desired position. Mounted on supporting post securely bolted to angle steel frame and entirely independent of tub, eliminating any strain on the tub. Floor space with extension closed 28x29 ins; height over all 47 ins. Furnished with 10 ft extra heavy insulated cord and attachment plug.

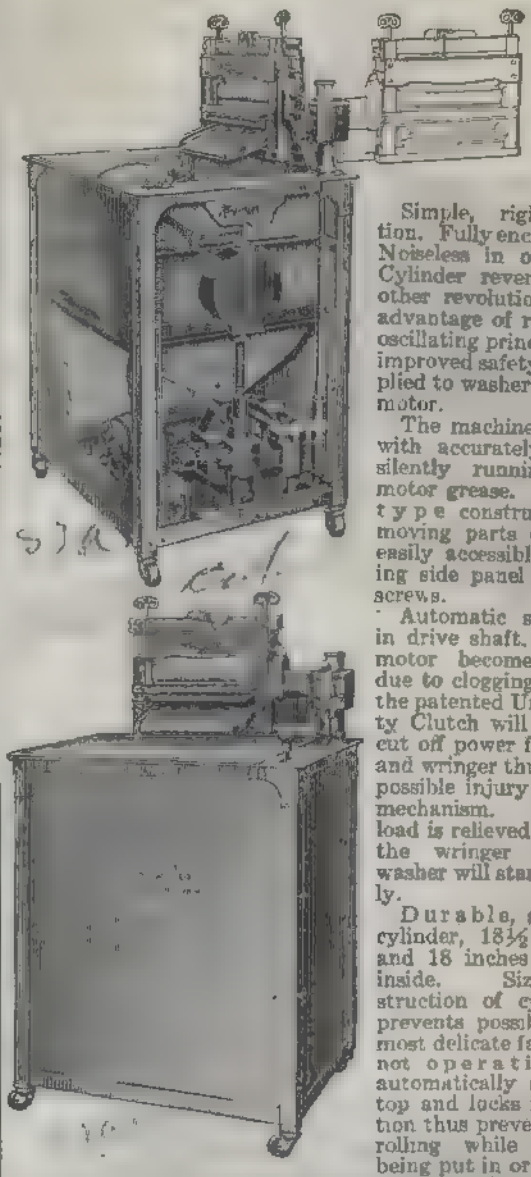
Alternating Current, 60 Cycle, 110 volts.

	Each
No. BG34—Wood tub, selected southern cypress	**$216 00**
No. BG70—Copper tub, tinned inside	**240 00**

Crated; ship wt 300 lbs.

WASHING MACHINES "Also Dep't 5."

UNIVERSAL, ELECTRIC



Simple, rigid construction. Fully enclosed cabinet. Noiseless in operation. Cylinder reverses every other revolution combining advantage of revolving and oscillating principle. Latest improved safety features applied to washer, wringer and motor.

The machine is equipped with accurately cut gears, silently running in light motor grease. Automobile type construction. All moving parts enclosed but easily accessible by removing side panel attached by screws.

Automatic safety clutch in drive shaft. Should the motor become overloaded due to clogging in the rolls, the patented Universal Safety Clutch will immediately cut off power from cylinder and wringer thus preventing possible injury to motor or mechanism. When overload is relieved by reversing the wringer control the washer will start immediately.

Durable, sanitary zinc cylinder, 18½ inches long and 18 inches in diameter inside. Size and construction of cylinder holes prevents possible injury to most delicate fabric. When not operating cylinder automatically stops at the top and locks in that position thus preventing it from rolling while clothes are being put in or taken out.

Tub, quick draining, easily cleaned, with settling zone. Drain cock outside of cabinet 10¾ inches from floor, has threaded end for attaching hose if desired.

Six sheet capacity. Handsome blue gray finish. Detachable swinging wringer. Table top cover easily removed. All electric connections thoroughly insulated. Detachable 10 foot cord with rock-off connection. Height to top of tub 36¼ inches; floor space 24x30 inches.

		Alternating	Direct
Current			
Cycle		60	
Volts		110	32
Galvanized Tub	**No.**	**E1930-110**	
	Each	345 00	
		$149 50	
Copper Tub	**Nos.**	**E1940-110**	**E1940-32**
	Each	375 00	390 00
		$162 50	*167 5*

One in crate; ship wt 325 lbs.

DISPLAY OF TRUNKS, SUIT CASES, HAND BAGS, WEEK END CASES, ETC

SECTION OF OUR COMPLETE SHOWING OF SADDLES, COLLARS AND HARNESS, ALL MADE IN OUR OWN FACTORY

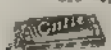
AUTO TIRES AND ACCESSORIES AND GARAGE EQUIPMENT DISPLAY

COMPLETE LINE OF RUGS AND FLOOR COVERINGS DISPLAYED TO BEST POSSIBLE ADVANTAGE

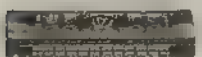
HARMONICAS AND ACCORDIONS
HOHNER AND OTHER BRANDS

POPULAR PRICED IMPORTED HARMONICAS

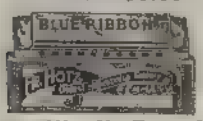
2F8800 Mfrs 150 Polit "Ideal" 3x1 in. 4 holes, 8 reeds, brass reeds, all new nickel plated covers, extension ends, each in box. 1 doz. in pkg . . . Doz **42**
Gro **4.75**



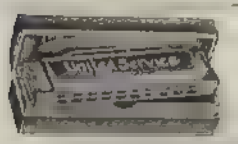
2F8808— Mfrs 023 Hotz "Cutie." 1¾x¾ in. 4 holes, 8 reeds, new tuning ring attachment, each in box. 1 doz. in carton. Doz **80c**
Gro **$9.60**



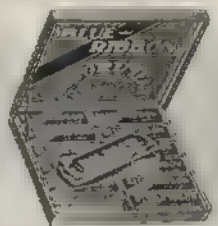
2F8805 Mfrs 05 Polit 4 3x1 in., 4 holes, 12 reeds, brassed steel plates ebonized frame 6 nickel plated covers . . . Doz **84c**
Gro **$9.60**



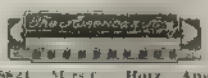
2F8810—Mfrs 00 Hotz "Blue Ribbon" 4x1 in., 10 holes, 20 reeds nickel plated. . . . Doz **Oct**
Gro



2F8813 Mfrs 08 Hotz "United Service," 4¼x1¾ in. 10 double holes, 20 reeds, brassed plates, 3 nickel plated covers, in carton. Doz **$1.95**



2F8819 — Mfrs 03 Hotz "Blue Ribbon" 4x1 in., 10 holes, 20 reeds, brassed plates, nickel plated covers, turned in ends, each in box. Doz **$1.60**



2F8821 Mfrs 0 Hotz American Ace 4 in. 10 holes, 20 reeds, brassed plates maple frame, nickel plated, open covers, ½ doz. in pkg Doz **$1.75**

2F8824 Mfrs 04 Hotz "Excelsior" 4x1 in., 10 double holes, 20 reeds, brassed plates, mahogany frame nickel plated covers, turned in ends, ½ doz. in carton . . . . . Doz **$1.80**

HOTZ "HAPPY DAYS" ASSORTMENT

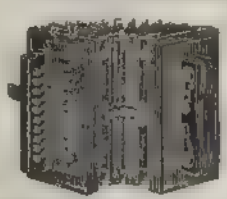
2F8822—Mfrs 019 "Happy Days," 2 styles, 4x1 in., 10 holes, 20 reeds, brassed plates, nickel plated covers, turned in ends, each in telescope box. Asstd 1 doz. in 4 color display carton
Doz **$1.75**

"M. HOHNER" ACCORDIONS

Nickel corner protectors, patent self-acting spring clasps, nickel plated corner trimmings. These accordions guaranteed to be perfect in tone and construction.

2F8803—(Mfrs 372) 8½x10¼ in. 14 key, 2 voice, ebonized frames and keyboard, celluloid covered bellows, 2 basses, 2 sets of reeds, 2 metal stops. 1 in box Each **4.00**

2F8806— Mfrs 21 . . . 11½ in. highly polished ebonized frames and keyboard, imitation birdseye maple panels, silver decorations on top panel, double bellows, 10 nickel button keys, 2 basses, 2 sets of reeds, 2 metal stops. 1 in box. . . . Each **4.35**

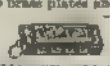


2F8807 Mfrs 502 8¾x12 in., highly polished nickelized frames and keyboard, panels in mahogany finish, silver decorations on top panel, double bellows, 10 nickel buttons keys, 2 basses, 4 sets of reeds, 2 metal stops. 1 in box Each **5.35**

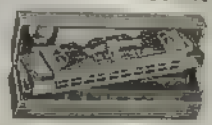
2F8808—(Mfrs 538) 9 x11½ in. highly polished frames, mahogany finish, ebonized panel, gold key bezels, silver decorations on top panel, triple bellows, 10 nickel buttons on keys, 3 sets of reeds, 3 wooden stops. 1 in box . . . Each **6.10**

"M. HOHNER'S" HARMONICAS

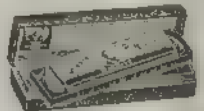
All have brass plates and nickel plated covers, each in individual box.



2F8825—(Mfrs 09) "Little Lady" known as the "Sandman's Sweetheart," 3x1 in., 4 holes, 8 reeds, all perfectly tuned ring attached, 1 doz. in pkg Doz **1.50**



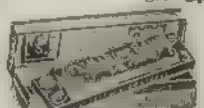
2F8826—(Mfrs 50B) "Old Favorite," 4x1 in., 10 double holes, 20 reeds. ½ doz. in box. Doz **3.75**



2F8827 — Mfrs 341 "New Boat" 3x1 in., 10 holes, 20 reeds, ½ doz. in pkg Doz **3.75**

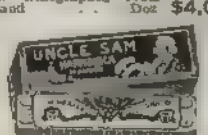
2F8828— Mfrs 410 3 styles, 4x1 in., genuine Hohner harmonicas assorted keys, in handsome flat display cartons. Retail at 50c each. Asstd 1 doz. in carton Doz **3.80**

2F8829 — (Mfrs 132) "Hohner Band," 4x1 in., 10 holes, 20 reeds, ½ doz. in box Doz **3.85**



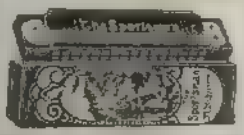
2F8830 — (Mfrs 1[illegible]) "Marine Band" 4x1 in., 10 holes, 20 reeds, ½ doz. in pkg Doz **4.00**

2F8831 — 4 styles, genuine Hohner harmonicas. Retail at 50c each. Asstd. 1 doz. on 15x31 in. lithographed rebuz stand . . . Doz **$4.00**



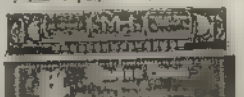
2F8832 "Uncle Sam," 4x1 in., 10 holes, 20 reeds, mahogany finish frame, die stamped Uncle Sam, capitol, eagle and shields, each in attractive red, white and blue hinged box. ½ doz. in pkg. Doz **4.00**

2F8834 Mfrs [illegible] "Echo," 3 [illegible] fine tremolo, 18 double holes, 72 reeds, every [illegible] turned in ends, [illegible] in pkg Doz **4.80**



2F8837—(Mfrs 351) "Sportsman" 5 x1¼ in., fine tremolo, 10 double holes, 32 reeds. ½ doz. in box Doz **5.75**

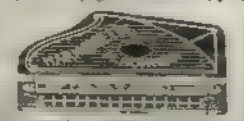
2F8836—(Mfrs 1896) "Up-to-date," 4¼x1¾ in., 10 double holes, 36 reeds. [illegible] in pkg Doz **Oct**



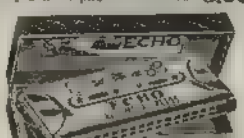
2F8838 — (Mfrs 151) "Marine Band," 6¾x1¾ in., tremolo, 10 double holes, 32 reeds. ½ doz. in pkg Doz **$6.00**

2F8839 Mfrs [illegible] "Newest and Best" 4 [illegible] full concert, 10 double holes, 40 reeds [illegible] in pkg Doz **6.00**

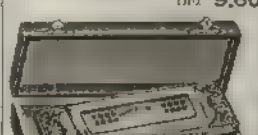
2F8841 Mfrs [illegible] "Marine Band," 4½x1¾ in., full concert, 10 double holes, 40 reeds ½ doz. in pkg Doz **7.20**



2F8842 Mfrs 301 "Harmonette" 4 x1¾ in., 14 holes, 28 [illegible] reeds, harp shape resonator or sound box ½ doz. in pkg Doz **8.00**



2F8844 Mfrs [illegible] Echo, 3 [illegible] in., 20 double sided tremolo 2 keys, 16 double holes, 64 perfectly tuned reeds, turned [illegible] ½ doz. in box Doz **9.60**



2F8847 Mfrs [illegible] "Hohners' Best," 7½ in., 32 double holes, 64 silver reeds, silver engraved lined leatherette case. ¼ doz. in pkg . . Doz **15.00**

"M. HOHNER" REVOLVING PYRAMID ASSORTMENT

2F8845— Mfrs 000 Stand 32 in. high, 10 in. square at base, 5 in. square at top, revolving, handsome finish, 10 Harmonicas, 12 styles, 1 of [illegible] keys, each style [illegible] in box, to permit [illegible] as listed, retail price plainly shown on stand. All numbers displayed on stand can be replaced from [illegible] Assorted harmonicas as follows

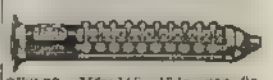
1	6 to retail at	$ .50
4	" " "	.60
2	" " "	.75
2	" " "	1.00
1	" " "	1.50
2	" " "	2.00
	Total retail value	$28.40

ASST (36 harmonicas and stand
Shipping weight, 38 lbs. **21.50**

Refills for the Above Display Stand

2F8840— Mfrs 61 12 styles, 2 different keys, each in box. Asstd 36 harmonicas, [illegible] in carton
ASST (36 harmonicas) **18.50**

M. HOHNER ORGANETTE OR BLOW ACCORDION



2F8860— Mfrs 15F 13 in. [illegible] 5 [illegible] 10 keys, 10 keys, 1 [illegible] reed plated [illegible] to sharps and flats, 1 in carton . . . Each **1.50**

"HOHNER-SAX"

2F8901 Mfrs 25B 17 in. long, [illegible] brass, highly polished, 10 [illegible] 2 bass keys, [illegible] sets of [illegible] reeds, [illegible] in a [illegible] and [illegible] reeds [illegible] in a [illegible] [illegible] Each in [illegible] and [illegible] container with [illegible] and [illegible] Each **4.00**

Grand Opera PHONOGRAPHS

Grand Opera Phonographs are high grade instruments with a rich, mellow, resonant tone resulting from a highly developed tone chamber. They have all recent improvements and at these low prices are exceptional values. The cabinets are strongly built of beautifully grained woods. In tone, appearance and size they will compare favorably with any phonographs on the market, regardless of name or price. Extra well finished and packed.

47 in. high
19½ " wide
21¼ " deep
1 in case, 145 lbs.

1F4708—Brown mahogany.
1F4709—Walnut

Each **$49.00**

45 in. high
20 " wide
22 " deep
1 in case, 150 lbs.

1F4710 Red mahogany
1F4711 Brown mahogany
1F4714 Walnut

Each **$60.00**

48 in. high
22 " wide
21¾ " deep
1 in case, 145 lbs.

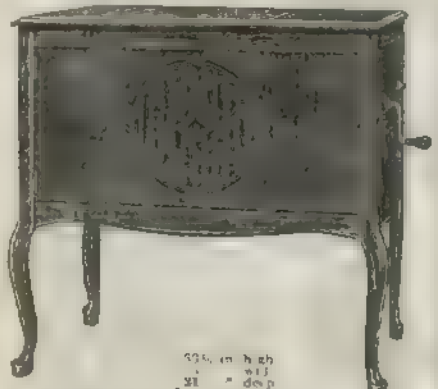
1F4800—Red mahogany
1F4801—Brown mahogany
1F4802—Walnut

Each **$66.00**

51 in. high
25 " wide
20 " deep
1 in case, 190 lbs.

1F4722 Red mahogany
1F4723 Brown mahogany

Each **$100.00**



33½ in. high
21 " wide
19 " deep
1 in case, 142 lbs.

1F4805 Red mahogany
1F4806 Brown mahogany
1F4807 Walnut

Each **$60.00**

BETTER Phonographs

Your customers will appreciate the superior features and the unexcelled tone of the Grand Opera Phonograph. Each model has—

Universal Throw-Back Tone Arm—
Plays all records without extra attachments. Nickel plated.

High Grade Double Spring Motor—
With silent worm gear drive. Has capacity for 100 records with one winding. Has automatic stop. Special governor indicator. 12 in. turntable felt or plush covered.

Latest Design Tone Chamber—
Producing the famous Grand Opera tone. Superior in volume, clearness and brilliancy. Made of wood with cast iron back, same construction as nationally advertised phonograph. With tone modifier.

Handsome Cabinets—
Finely constructed of durable 5-ply veneer mahogany or walnut in beautiful designs. Hand rubbed and polished. Piano hinged covers.

34½ in. high
40 " wide
22 " deep
net wt. 180 lbs.

1F4730 Red mahogany
1F4731 Brown mahogany
1F4734 Walnut

Each **$80.00**

34½ in. high
40 " wide
22 " deep
1 in case, 180 lbs.

1F4813 Red mahogany
1F4814 Brown mahogany
1F4815 Fumed oak

Each **$82.00**

Record Cleaning Brush

1F4738—3 in. long imitation leather back, heavy plush body, 1 doz. in carton. Doz **$1.35**

Polished Steel Phonograph Needles

Polished Steel—Non-scratch. Use once. Needles in envelope. 1M plays 100 records.

1F4735—Loud
1F4736—Medium

Per M **40c**

1F4737 — "Wall-Kane," polished steel assorted medium, loud and extra loud, 50 needles in package, enough for 500 records. Plays on any phonograph. Retail value $5.00.

1S8T Per pkge. **$3.50**

Record Albums

Morocco covered, gold lettering on front cover, 1 wood rod, one half page, patented spring arch for 1 record.

1F4741 For 10 in. records. Each **80c**

1F4742 For 12 in. records. Each **90c**

"New Port" Portable Phonograph

Complete with phonograph and record holder in portable case. Plays all records. Value for our phonograph price.

1F4701 — 15x13½x7½ in. special Spanish grain fiber board covered case, reinforced at corners, heavy leather corners, 4 nickel-plated metal brass tone arms, [illegible] motor, [illegible] nickel-plated [illegible] Plays [illegible] records. Needle holder. Needle cup. Speed regulator. Lid with [illegible] Equipped with [illegible] spring and [illegible] Has [illegible] speed motor. Shipping weight about 24 lbs. Each **$12.50**

"Cary-Ola" Portable Phonograph

Made by the manufacturers of the famous "Portophone"

1F4700—8 in. high, 12 in. wide, 15 in. long, imitation leather covered substantial cabinet, [illegible] single spring motor, [illegible] [illegible] record compartment for [illegible] records, needle holder. [illegible] Shipping weight 4 lbs.

Each **$16.50**

"RADIEX" PHONOGRAPH RECORDS

For new releases turn to page 231

"LLOYD-LOOM" WOVEN FIBER STROLLERS

Loom woven fiber, length with back reclining 38 in., width 14 in., corduroy upholstery body and hood, storm curtain, mattress cushion, round tubular steel pushers, all rubber tired wheels, 70 lbs.

1F996—(Mfrs 916A) Ivory finish
1F997—Light brown finish
1F999—Dark blue finish
} Each $14.25

Loom woven fiber, length with back reclining 38 in., width 14 in., corduroy upholstery body and hood, storm curtain, mattress cushion, round tubular steel pushers, all rubber tired wheels, 70 lbs.

1F911—(Mfrs 937A) Gray, with frosted gold finish.
Each $18.75

"SIDWAY" FOLDING GO-CARTS

Full collapsible, body 28 in. x 18 x 10 in. folded, 3 position, adjustable panel back, adjustable 4 back coil springs, padded seat, coil steel frame, 34 to the most popular, front rail 16 in. wheels, 1/2 in. rubber tires, 1 1/2 in. axles, 70 lbs.

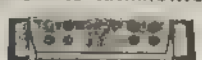
1F939—(Mfrs 4800) Black enameled.
Each $8.50

Collapsible, body 24 in. long, 14 in. wide, 3 ply wood veneer sides and dash, gold striped automobile cloth fabric, coil 3 way back, coil steel frame, 6 wheels, rubber tires, 70 lbs.

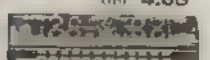
1F1343—(Mfrs 1204) Black enameled
1F1344—(Mfrs 1204) Brown enameled
} $10.50

HARMONICAS, ACCORDIONS POPULAR PRICED PHONOGRAPHS, ETC.

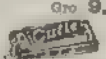
POPULAR PRICED IMPORTED HARMONICAS



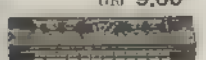
2F8801—(Mfrs 1) Polished French silver concert size, 24 holes 10 reeds, brass plates, nickel plated covers, open back, ebonized frame, each in box. 1 doz. in pkg.
Gro 4.65 Doz 40



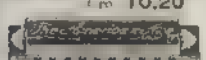
2F8804—(Mfrs 1) Polished French silver concert size, 24 holes 10 reeds, brass plates, nickel plated covers, open back, ebonized frame, each in box. 1 doz.
Gro 9.00 Doz 76



2F8809—Mfrs 1 Hohner "Cutie." 11 holes 24 reeds, accordion tuned, nickel plated, each in box. 1 doz. in carton.
Gro 9.00 Doz 80



2F8805—Mfrs 1 Polished German silver, 24 holes 12 reeds, brass plates, nickel plated covers, open back, 1 doz. in box.
Gro 10.20 Doz 89



2F8821—Mfrs 1 Hotz "American Ace," 4x1 in., 10 holes 20 reeds, hardwood maple frame, nickel plated covers, 1/2 doz. in pkg.
Doz $1.75

2F8818—Mfrs 1 Hotz "Ace High" assortment, 4 styles, Double row, tuned reeds and Art Boy, 4 in pkg. Each boxed and packed in display carton. Assorted, 1 doz. in display carton.
Doz $1.98

HOTZ "HAPPY DAYS" ASSORTMENT

2F8822—(Mfrs 1) "Happy Days" 4 x 1 in., 10 holes, 20 reeds, double row, tuned, nickel plated covers, each in box, 1 doz. in display carton.
Doz $1.76

"M. HOHNER'S" HARMONICAS

All have brass plates and nickel plated covers, each in individual box.

2F8828—Mfrs 5 "Old Faithful," 4x1 in., 10 double holes, 20 reeds. 1/2 doz. in box.
Doz 3.75

2F8827—(Mfrs 343) "New Best," 4x1 in., 10 holes, 20 reeds. 1/2 doz. in pkg.
Doz 3.75

2F8832—"Uncle Sam" 4x1 in., 10 holes, 20 reeds, nickel plated covers, Compact, handy size, each in individual and wallet, all in hinged box. 1/2 doz. in pkg.
Doz 4.00

2F8825—Mfrs 1 Nickel plated, 4x1 in., 10 holes, 20 reeds, brass reeds, assorted keys, in individual display carton. Assorted, 1 doz. in carton.
Doz 3.80

2F8820—(Mfrs 1896) "Marine Band," 4x1 in., 10 holes, 20 reeds.
Doz 4.00

2F8835—(Mfrs 264) "Sportsman," 5 1/2 x 1 1/2 in., fine tremolo, 16 double holes, 32 reeds. 1/2 doz. in box.
Doz 5.75

2F8844—(Mfrs 600) "Echo," 5 1/2 x 2 1/4 in., double sided tremolo, 2 keys, 16 double holes, 64 perfectly tuned reeds, tuned in ends, 1/4 doz. in box.
Doz 9.60

2F8847—(Mfrs 46) "Hohners Best," 7x2 in., 32 double holes, 64 silver reeds, silver engraved lined leatherette case, 1/4 doz. in pkg.
Doz 15.00

"M. HOHNER" REVOLVING PYRAMID ASSORTMENT

2F8845—(Mfrs 600) Stand 32 in. high 10 1/2 in. square at base, 6 1/2 in. square at top, revolves, 3 tiers on one wall, 3 tiers, 36 harmonicas, 12 styles, 3 of a kind, 3 keys and 3 tunes in each style, all tuned in the key, 1 Echo, 1 Chromonica, 1 Tremolo, 1 Orchestra, 1 Vamper, 1 Auto Harp

SHOT GUNS

SINGLE BARREL, HAMMER
HARRINGTON AND RICHARDSON

The special feature of this gun is that the top lever can be operated either right or left hand, as desired. The cocking of the gun locks the top lever, making it impossible to be opened.

We desire to call special attention to the new patented hinge pin used in this gun, which we consider superior to anything of its kind on the market.

Adapted for taxidermists and collectors on account of the small charge of shot doing little injury to the plumage of birds or the skins of small game. It also makes an ideal gun for ladies, being a light, small bore gun. It combines all the excellent qualities of the larger and higher priced guns; blued steel frame.

Barrel—Blued steel, choke bored, adapted to black or smokeless powder.

Stock—Fine black walnut, with plain pistol grip, and fore-end; hard rubber butt plate.

Without Automatic Ejector.

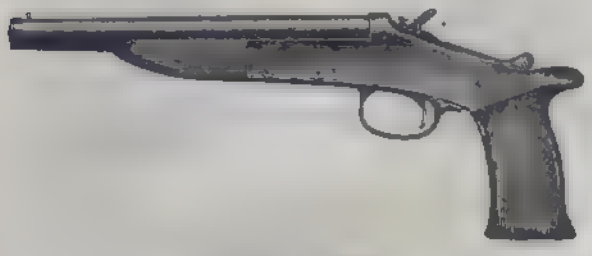
	Each
No. H & R28—28 gauge; shoots 28 gauge loaded shells: 26 or 28 in. barrel; wt 4¾ lbs	$26 25
No. H & R410—44 Caliber 410 gauge; shoots 410 gauge or 44 W. C. F. shot cartridges; 26 in. barrel: wt 4½ lbs	26 25

With Automatic Ejector.

	Each
No. H&R410E—410 gauge; shoots 410 gauge loaded shells; 26 in. barrel; wt each 4½ lbs	$27 30

One in cardboard box, ten in wood case.

HARRINGTON AND RICHARDSON, HANDY



Breech Loading.

This gun is used as a weapon of defence for the home, office and bank, a small game gun for the hunter; also for the automobilist for protection.

The action and working parts are the same as used in H. & R. single guns. The hammer is rebounding, therefore always in the safety notch.

Barrel—Blued steel, cylinder bore, adapted to black or smokeless powder.

Stock—Selected walnut, checkered grip and fore-end.

	Each
No. H28-12½—28 gauge; shoots 28 gauge loaded shells; 12½ in. barrel; wt each 3¾ lbs	$37 50
No. H410-8—410 gauge; shoots 410 gauge loaded shells or 44W. C. F. shot cartridges, 44XL and 44 game getter shot cartridges; 8 in barrel; wt each 2½ lbs	37 50

One in cardboard box.

SHOT GUNS

SINGLE BARREL, HAMMER
IVER-JOHNSON CHAMPION
Large Wide Fore-End.

Breech Loading, Take Down.

An ideal gun for small game. High grade in every particular, light, compact, beautifully balanced, strongly built and accurate.

A three-piece, take down gun. Lug and barrel are a single forged piece. Joint pin is solid in the frame. Coil main spring is adjustable to either light or heavy pull. Compensating locking bolt to take up wear.

Barrel -Blued steel, full choke bored.

Stock—Walnut, with half pistol grip; plain fore-end; rubber butt plate. Weight 6 lbs.

Without Automatic Ejector.

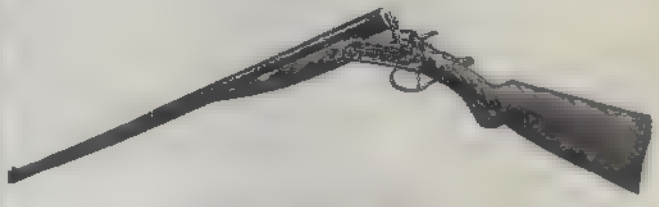
	Each
No. C12—12 gauge, 30 or 32 in barrel	$27 00
No. C16—16 gauge, 30 in. barrel	27 00
No. C20—20 gauge, 26 or 28 in. barrel	27 00
No. C410-26—410 gauge, 26 in. barrel	27 00

With Automatic Ejector.

	Each
No. C12E—12 gauge, 30 or 32 in barrel	$28 50
No. C16E—16 gauge, 30 in barrel	28 50
No. C20E—20 gauge, 26 or 28 in. barrel	28 50
No. C410E-26—410 gauge, 26 in. barrel	28 50

One in cardboard box, ten in wood case.

STEVENS'



Breech Loading.

Adapted to any standard make of shell; loaded with either black or smokeless powder.

Action, top snap, low rebounding hammer; case hardened frame. Barrel compressed forged electro steel, hollow tapered; bored for nitro powder, full choked.

Stock—Plain walnut, pistol grip; ruboer butt plate; metal joint.

Without Automatic Ejector.

	Each
No. 105-12—12 gauge, 30 or 32 in. barrel; wt 6¾ lbs	$27 00
No. 105-16—16 gauge, 30 or 32 in barrel; wt 6 lbs	27 00
No. 105-20—20 gauge, 30 in barrel; wt 6½ lbs	27 00
No. 105-410—410 gauge, 26 in. barrel; wt 5½ lbs	27 00

With Automatic Ejector.

	Each
No. 107-12—12 gauge, 30 or 32 in. barrel; wt 6¾ lbs	$28 50
No. 107-16—16 gauge, 30 or 32 in. barrel, wt 6 lbs	28 50
No. 107-20—20 gauge, 28 or 30 in. barrel; wt 5½ lbs	28 50
No. 107-410—410 gauge, 26 in barrel; wt 5½ lbs	28 50

One in cardboard box, ten in wood case.

SHOT GUNS

REMINGTON REPEATING

Hammerless, Pump Action, Take Down Model No. 10. Six Shot.

Standard Grade.

Barrel—Remington steel, blued finish, any desired choke; 30 inch full choke sent unless otherwise specified.

Stock—Walnut, half pistol grip stock and fore-arm; rubber butt plate; length of stock 13¾ inches; drop 2¾ inches at heel; 1⅝ inches at comb; extra charge for any variations from these dimensions.

Weight—About 7½ lbs.

	Each
No. 10A—12 gauge, 26, 28, 30 or 32 in. barrel	$140 70
No. 10A1—With two interchangeable barrels. With one 26 inch cylinder bore and one 30 full choked barrel, otherwise same as above	207 00

REMINGTON REPEATING, Riot Grade.

	Each
No. 10R—20 in. barrel, cylinder bore, otherwise same as No. 10A. Suitable for shooting buck-shot	$140 70
Extra Barrel for above guns	66 00

Ten in wood case.

Hammerless, Pump Action, Take Down, Model No. 17. Five Shot.

Browning Patent.

Barrel—Remington steel, blued finish. Furnished in either modified, cylinder or full choke.

Stock—Walnut, half pistol grip stock and fore-arm; rubber butt plate; length of stock 13¾ inches; drop 2⅝ inches at heel, 1⅝ inches at comb; extra charge for any variations from these dimensions.

Weight—About 5½ to 5¾ lbs.

	Each
No. 17A—20 gauge, 26 to 32 in. barrel	$140 70

Ten in wood case.

REMINGTON REPEATING, Special Grade.

Furnished to order without extra charge, with stock 13½ to 15 ins. long, with drops, 2¼ to 3¼ ins. at heel and 1½ to 1¾ ins at comb. Extra charge for variation from these dimensions.

	Each
No. 10B—Same as standard grade, with the exception that the stock and fore-arm are of selected imported walnut, half pistol grip and fore-arm neatly checkered	✤$228 00
Extra Barrel, for above gun	✤ 66 00
No. 17B—20 gauge, 26 to 32 in. barrel	✤ 228 00
Extra Barrel for No. 17B gun	✤ 66 00

Ten in wood case.

✤F. O. B. New York Factory Only.

SHOT GUNS

REMINGTON REPEATING

Hammerless, Pump Action, Take Down, Model No. 10. Six Shot.

Trap Grade.

Barrel chambered for 12 gauge, 2¾ inch shell and bored to shoot smokeless powder; full choke barrel, will shoot 70% of the load or over inside a 30 inch circle at 40 yards.

Barrel—Remington steel; can furnish cylinder, modified or full choke bored.

Stock—Selected, curly imported walnut, straight grip and fore-arm finely checkered; rubber butt plate; standard stock, 14¼ inches; drop, 2 inches at heel and 1½ inches at comb.

We can furnish this grade to order from factory without extra charge, with stocks, 13½ to 15 inches long, with drops from 2 to 3¼ inches at the heel and 1½ to 1¾ inches at the comb.

Extra Charge for any variation from these dimensions.

	Each
No. 10C—12 ga., 26, 28, 30 or 32 in. barrel	✤$228 00

Ten in wood case.

Hammerless, Pump Action, Take Down, Model No. 10. Six Shot. Tournament Grade.

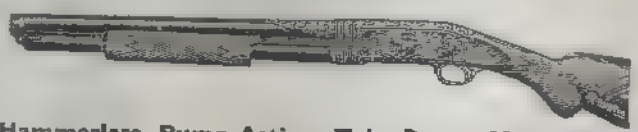
Barrel—Remington steel, bored any way you choose; barrel and receiver finished in a rich scroll hand engraving.

Stock—Fine English walnut, half pistol grip and fore-arm finely checkered; rubber butt plate.

Furnished regularly with half pistol grip stock 13¾ inches; drop 2¾ inches at heel and 1⅝ inches at comb. Can furnish to order with straight grip and any dimensions of stock desired without extra charge.

	Each
No. 10D—12 gauge only, 26, 28, 30 or 32 in. barrel, chambered for 2¾ in. shell; wt each about 7¾ lbs	✤$402 00
Extra Barrel, for above gun	✤ 79 95
No. 17D—20 gauge, 26 to 32 in. barrel	✤ 402 00
Extra Barrel for No. 17D gun, 26 or 32 inch	✤ 79 95

Ten in wood case.



Hammerless, Pump Action, Take Down, Model No. 10 Six Shot. Expert Grade.

Barrel—Remington steel, bored any way you choose; barrel and receiver finished with a beautiful deep scroll, hand engraving, with panel on left side of receiver.

Stock—Choicest imported walnut, half pistol grip and fore-end handsomely checkered by hand; silver name plate inlaid in stock; rubber butt plate; standard length of stock 13¾ inches; drop 2¾ inches at heel and 1⅝ inches at comb.

Can furnish to order with straight grip and any dimensions of stock desired, without extra charge.

	Each
No. 10E—12 gauge only, 26, 28, 30 or 32 in. barrel, chambered for 2¾ in shell; wt about 7¾ lbs	✤$603 00
Extra Barrel, for above gun	✤ 101 40
No. 17E 20 gauge, 26 to 32 in barrel	✤ 603 00
Extra Barrel for No. 17E gun, 26 or 32 in	✤ 101 40

Ten in wood case.

✤F. O. B. New York Factory Only.

HARVEST HATS

Headquarters for America. Hats to sell at 10c, 25c and 50c. All hats made of standard grade straw—not a substandard in the line. Each hat is blocked separately—not 3 at a time, and each hat is sized.

PEANUT HATS FOR MEN AND BOYS

Widths of brims given in descriptions are approximate and may vary somewhat. Assid. sizes: Men's 6⅝ to 7¼, boys' 6⅛ to 6⅞

Alpine Crown

Plain planter brim. 1 doz. in pkg

5A5801 Men's, 4½ in. brim
5A5850 Boys' " " } Doz $.88c

4 Dent Crown

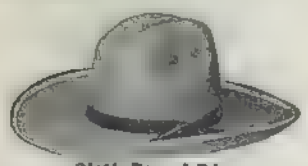
Plain, planter brim. 1 doz. in pkg

5A5802—Men's, 4¼ in. brim.
5A5816—Boys', 3¾ " " } Doz. 85c

6 Ligne Band

Alpine Crown—Planter brim, 6 ligne black ribbed band. 1 doz. in pkg

5A5806—Men's, 4½ in. brim
5A5846—Boys' " " } Doz $1.25



Cloth Bound Edge

Alpine Crown—Roll brim, tan binding, 10 ligne black ribbed band, 2 eyelet ventilators each side, leather patch sweat. 1 doz. in pkg.

5A5813—Men's, 4¼ in. brim
5A5819—Boys', 3¾ " " } Doz $1.95

Tan Binding

High 4 Dent Crown—Roll brim, 10 ligne black ribbed band, 4 eyelet ventilators. 1 doz. in pkg

5A5611—Men's, 4½ in. brim. Doz. $1.95

Mexican Shape

1 Dent High Crown—Roll brim, tan binding, 10 ligne black ribbed band, 2 eyelets, leather patch sweat. 1 doz. in pkg

5A5884—Men's, 4½ in. brim
5A5885 Boys', 3¾ " " } Doz $1.95

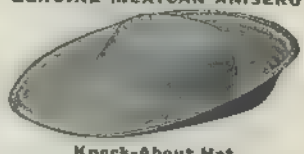
3-STRAW GRASS BODY HATS For Men and Boys

This shape is also suitable for women and misses.

Alpine Crown—Roll brim, selected quality 3 straw grass, fast edge.

5A5998 Men's, 4¼ to 4½ in. brim, Sizes 6¾ to 7¼
5A5999 Boys', 3¾ to 4 in. brim, Sizes 6⅞ to 6¾ } Doz 78c

GENUINE MEXICAN ANISERO



Knock-About Hat

Natural Shape—Fine Anisero body hat in original shape worn by Mexican Indians now at home. Worn by men, women and children. Doz in pkg

5A5850 Men's, 4¼ to 4½ in. brim, Sizes 6⅞ to 7¼
5A5851 Boys', 3¾ to 4 in. brim, Sizes 6⅞ to 6¾ } Doz $1.25

MEXICAN HATS FOR MEN AND BOYS—Genuine Imported Mexican Straw Bodies

The most serviceable straw in the line of harvest hats. Finished with eyelets, binding and leather patch sweats. Assid sizes: Men's 6⅝ to 7¼, boys' 6⅛ to 6⅞

Planter Brim

Alpine Crown—Genuine Anisero body, pressed 4 inch crown, 6 ligne black ribbed band, leather patch sweat. ½ doz. in pkg

5A5843—Men's, 4¼ in. brim
5A5844 Boys' 3¾ " " } Doz $2.15

1 Dent High Crown

Genuine Anisero body. Carefully pressed, roll brim, 6 ligne black ribbed band, leather patch sweat. ½ doz. in pkg

5A5880—Men's 4¼ to 4½ in. brim
5A5881 Boys' 3¾ " " } Doz $2.15

2 Dent Ridge Crown

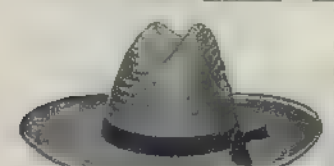
Genuine Anisero body, pressed, roll brim, 6 ligne black ribbed band, leather patch sweat. ½ doz. in pkg

5A5833 Men's 4¼ to 4½ in. brim
5A5843 Boys' 3¾ " " } Doz $1.95

4 Dent Crown

Genuine Bolsado Body. Pressed wide flat brim, tan binding, 10 ligne black ribbed band, 4 eyelet ventilators, leather patch sweat. ½ doz. in pkg

5A5835—Men's 4¼ to 4½ in. brim Doz $3.50



Alpine Crown

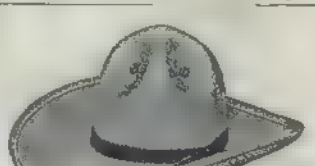
Genuine Bolsado Body—Pressed wide flat brim, tan binding, 10 ligne black ribbed band, 2 eyelet ventilators, leather patch sweat. ½ doz. in pkg

5A5836—Men's, 4¼ in. brim
5A5984 Boys' " " } Doz $3.60

2 Giant Eyelets

1 Dent High Crown—Genuine Mexican Bolsado body, wide 5 in. roll brim, 10 ligne black ribbed band, leather patch sweat. ½ doz. in pkg

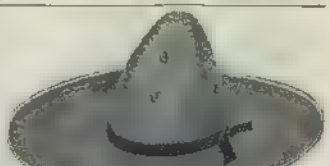
5A5985—Men's, 4½ in. brim Doz $3.60



Genuine Tlaxiaco Body

High 4 Dent Crown. Pressed, wide 5 in. roll brim, 10 ligne black ribbed band, 2 eyelet ventilators, leather patch sweat. Assid sizes. ½ doz. in pkg

5A5839—Men's, 5 in. brim Doz $4.00

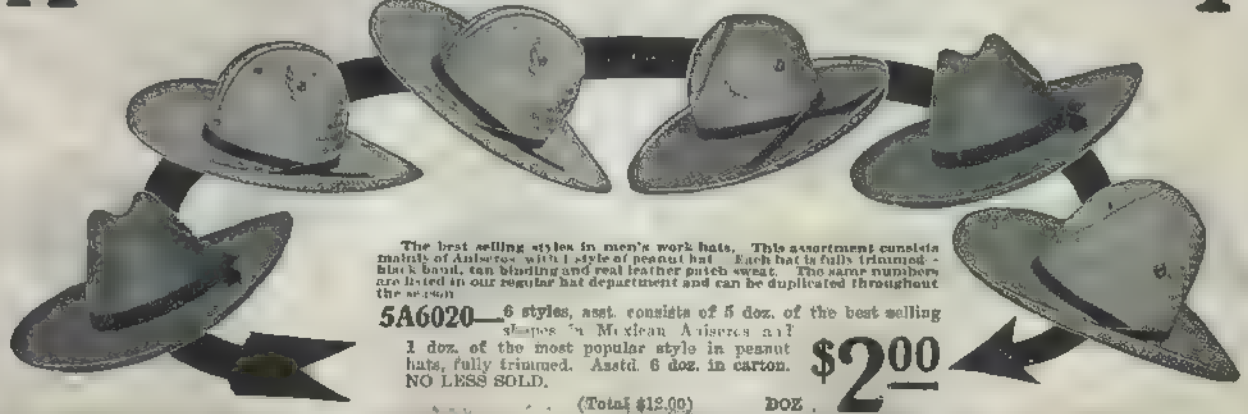


Genuine Tlapano Body

High 4 Dent Crown. Hat set brim, tan binding, 10 ligne black woven band, 2 eyelets, leather patch sweat. Assid sizes. ½ doz. in pkg

5A5901 Men's, 6 in. brim
5A5852—Boys', 5 in. brim } Doz $4.25

MEN'S AND BOYS' HARVEST HAT ASSORTMENT



The best selling styles in men's work hats. This assortment consists mainly of Anisero with 1 style of peanut hat. Each hat is fully trimmed—black band, tan binding and real leather patch sweat. The same numbers are listed in our regular hat department and can be duplicated throughout the season.

5A6020—6 styles, asst. consists of 5 doz. of the best selling shapes in Mexican Anisero and 1 doz. of the most popular style in peanut hats, fully trimmed. Asstd. 6 doz. in carton. NO LESS SOLD.

(Total $12.00) DOZ. **$2.00**

MEXICAN HAT WITH CORD

High Dent Crown — Tupelo body, tan binding, 10 oz. band, 8 eyelet ventilators, leather patch sweat. Assd. sizes 6¾ to 7¼.

5A3986—Men's, 6 in. brim. Sizes 6¾ to 7¼. | Doz $4,50
5A3987—Boys', 5 in. brim. Sizes 6¾ to 7¼. |

CURACAO HATS

A good grade of Mexican Curacao straw, fine Panama weave. Width of brims given in descriptions are approximate and may vary somewhat. Assd. sizes 6¾ to 7¼.

Alpine Crown

2nd Quality Curacao Body, 4 in. roll brim, tan binding, 6 rigue black band, leather patch sweat.
5A3940—6¾ to 7¼. In box. Doz $4.40

1st Quality

Alpine Crown, 4 in. roll brim, tan binding, 9 rigue black woven band, leather patch sweat.
5A3949—6¾ to 7¼. Doz $5.75

4 Dent Crown

4 In. Roll Brim. Tan binding, 6 rigue black woven band, leather patch sweat.
5A3950—6¾ to 7¼. Doz $5.75

MEN'S DRESS STRAW HATS

The new spring block in genuine Leghorn and fancy straws. All straws bleached unless otherwise stated. Assorted in crush crown shapes.

Asstd. sizes: 6¾ to 7⅞

Rolco Edge

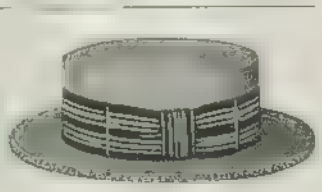
Natural Giant Sennit, 4 in. crown, 2¾ in. brim, 34 rigue fancy striped brown grosgrain band, imitation leather sweat. Assd. sizes.
5A4005—Doz. in box. Doz $9.00

Comfortable Light Weight

Bleached Sennit, 3¾ in. crown, 2¾ in. brim, 27 rigue black mercerized band, imitation leather sweat, full metro tip.
5A4006—½ doz. in box. Doz $12.00

Attractive Fancy Straw

Bleached Backaiti, 3¾ in. crown, 2¾ in. brim, 27 rigue maple silk fallie band, imitation leather sweat, full metro tip.
5A4003—½ doz. in box. Doz $16,50



Very Fine Weave

Bleached Stoya Straw—Medium light wt., 3¾ in. crown, 2¾ in. brim, 24 rigue fancy grosgrain band, genuine leather sweat.
5A4008—½ doz. in box. Doz $18.00

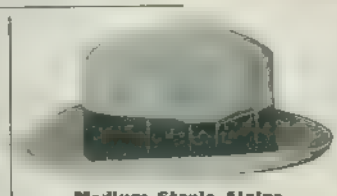
MEN'S TOYO PANAMA HATS

Knock-about, Colorado Hi Panama. Can be steamed and re-blocked repeatedly. Will not crease or break. Fast color.

Asstd. sizes: 6¾ to 7⅞

Drop Tip Telescope

Medium Block, 3¾ in. crown, 2¾ in. brim, 27 rigue silk band, genuine leather sweat.
5A4015—½ doz. in box. Doz $18.00



Medium Staple Alpine

New Popular Block, 4 in. crown, 2¾ in. brim, 24 rigue silk band, genuine leather sweat.
5A4018—½ doz. in box. Doz $24.00

Pinch Front Telescope

Young Men's Block, 3¾ in. crown, 2¾ in. brim, fancy band, 24 rigue silk grosgrain with cord at base, genuine leather sweat.
5A4017—½ doz. in box. Doz $24.00

Oval Ridge Crown Telescope

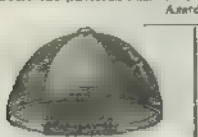
A Very Popular Block, 4 in. crown, 2¾ in. brim, 24 rigue silk band, genuine leather sweat.
5A4019—½ doz. to box. Doz $30.00

BOYS' CAPS and HATS

BOYS' LIGHT WEIGHT CAPS

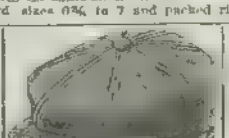
The newest patterns and styles in boys' caps for dress, work or play. On the best grade numbers the patterns run uniform the same as in our men's.

Asstd. sizes 6¾ to 7 and packed right



Cotton Felt Polo

5A2035—2 color, 6-4 crown, 2¼ in. lap on top, self sweat. Assd. orange & red, navy & dark green & maroon.
1 doz. in box. Doz 82c
1 gro. in box. Gro $9.00



Plaid Suiting

5A2077—6-4 crown, good size block, 2¼ in. turn down brim of all-around leather sweat, snap button front. Assd. patterns, ½ doz. in box. Doz $4.35

Navy Blue Serge

6-4 medium large block. All-wool fast color fine quality serges. Snap button front. Canvas interlined visor and band gives extra service. ½ doz. in box.
5A3728—UNLINED, taped seams, full leather sweat. Doz $4.40
5A3259—LINED, colored serge lining. Doz $4.40

Fancy Brim Polo

5A2113—Cotton felt, 2 color 6-4 crown, 2¼ in. lap on top, fancy plaid turned up brim with 3 rows of stitching. Assd. orange & navy, or red & black, orange & navy.
1 doz. in box. Doz $1.95

Wool Tweed Effect

5A2038—Plaited crown with back band, visor over in front, all-around leather sweat, snap button front. Assd. colors, GRAY and BROWN tweeds.
1 doz. in box. Doz $4.40

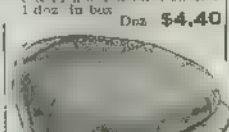
CHILDREN'S POPULAR PRICED HAT

Combination Rah Rah

5A2000—4-4 heavy white drill flat crown, stitched brim. Assd. brims and bands, white cloth lining and sweat. Assd. solid green, tan and copen, and black and white check. Assto sizes 6¾ to 7¾.
½ doz. in box. Doz $3.50

Jockey

5A2036—Mixed wool and cotton felt, 2 color, 3-4 crown, self bound edge, celluloid eye shade visor. Assd. orange & red, orange & black, orange & green etc.
1 doz. in box. Doz $1.95



Overplaid Suiting

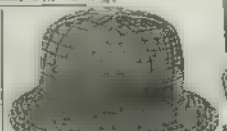
5A2115—1 pc. 8 pcs. crown, narrow flexible band back. Gray and tan suitings, with overplaid colored mercerized twill lining, leather forehead sweat, snap button front. Assd. GRAY and TAN.
½ doz. in box. Doz $8.50

CHILDREN'S SPRING AND SUMMER HATS

All styles are for Spring and Summer wear and are the ones in popular demand. **Asstd. sizes, 6¾ to 6⅞.**

Navy Style

5A2098—2 styles, 6-4 heavy white drill crown, 2¼ in. lap on top, 2¼ in. brim, fancy band, leather sweat. "C. S. N." and "Radio" embroidered emblems. Assd. colors and styles. ½ doz. in box. Doz $3.75

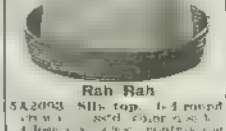


Checked Summer Fabric

5A2004—4-4 ridge crown. Small check mixture in cotton suiting, leather sweat. Assd. TAN and GRAY.
½ doz. to box. Doz $4.25

Novelty Skidoo

5A2089—4-4 white drill crown, assd. color leads, 2¼ in. roll brim with matched lead cross stripe. Taped seams, cloth sweat.
½ doz. in box. Doz $4.10



Rah Rah

5A2093—Silk top, 6-4 round crown, assd. color leads, 4 bone vent rights, cotton body, 2¼ in. roll brim. Taped seams, cloth sweat. Assd. colors.
½ doz. in box. Doz $4.40

Striped Summer Fabric

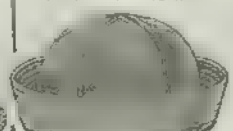
5A2090—4-4 round crown. Assd. color woven stripe pattern with 2-color band. Turned up stitched brim, full cloth lining and sweat.
½ doz. in box. Doz $4.20

Cabo Brim

5A2094—Skidoo, 2 styles, 6-4 crowns, 1 white drill crown, contrasting color brim and band, other solid color summer fabric crown, matched plaid trim and band. Embroidered emblems. Assd. styles and colors.
½ doz. in box. Doz $5.50

BOYS' SPRING AND SUMMER HATS

Asstd. sizes: 6¾ to 7.

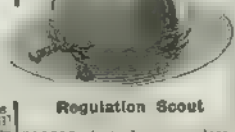


Middy

5A2048—6-4 white drill crown, 2¼ in. turned up brim, sailor style, 2 in. sailor sweat.
1 doz. in box. Doz $2.25

Fine Yarn Crash

5A2008—4-4 new telescope crown, stitched crown, fancy band with 2 rows of assd. stripes and sold in colors.
2 doz. in box. Doz $4.40



Regulation Scout

5A2035—4 pinch crown, closely stitched flat brim. Good quality KHAKI twill. Cut cloth 3 ring imitation leather sweat. Red, white and blue cord.
½ doz. in box. Doz $4.25

Hauck Heaters for Concrete Mixers

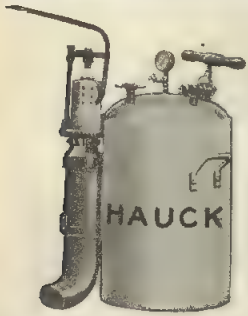
Hand Pump Type

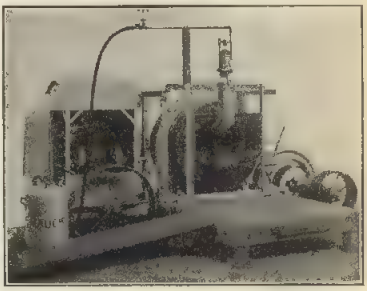
With this heater concrete work may proceed without interruption throughout the year It enables concrete to be placed just as safely during the coldest weather as in mid-summer.

The mixture is produced hot and uniform. The temperature may be raised to 90° Fahrenheit or higher. Rapid hardening occurs and the concrete sets thoroughly before freezing. The most severe weather should not cause the mixing speed to drop more than 10 to 30%.

They are easily attached and operated on any size or type of mixer. They conserve all the heat and deliver it to the mixer drum. It eliminates the heating of water or the aggregate separately, and the rehandling of all materials. The cost of winter is practically the same as the cost of summer operation. The cost of kerosene is trifling and any ordinary workman can operate it.

These heaters are of the hand pump type as compressed air is not usually available on the job. It consists of an oil supply tank with a powerful hand pump built in. One 12-foot length of special oil hose with a vaporizing type burner attached to a steel distributing pipe which is oval shaped at the discharge end. The burner is designed for cold weather operation. It vaporizes kerosene and produces a flame of intense heat which is directed into the mixer drum at an angle, which quickly thaws out and heats the aggregate. The burner is of special heat resisting metal supplied with needle valve and strainer. The tank is of steel with bottom interlocked and all seams welded and brazed.





Prices

No. 80 Heater for concrete mixers up to 10 ft., materials. Oil consumption. 2 gallons per hour. Capacity of oil tank, 12 gallons, approximate shipping weight, 155 pounds.

Price, complete **$165.00**

No. 90 Heater for concrete mixers from 10 ft. to ¾ yard material. Oil consumption, 2½ to 3 gallons per hour; capacity of oil tank, 16 gallons Shipping weight approximately 175 pounds. Price, complete **$187.50**

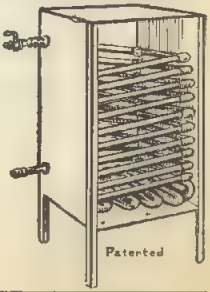
Contractor's Portable Water Heater

Portable, Light, Compact, Durable

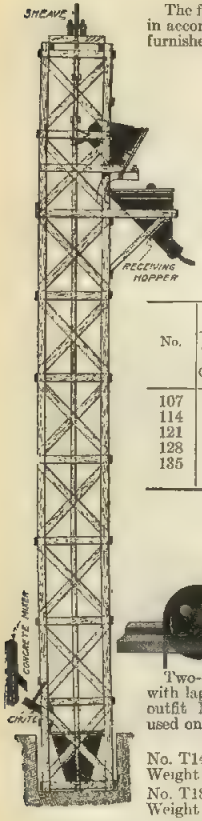
A practical heater built the right way. Heater is made up of 100 ft. of 1-in pipe coils, so constructed as to obtain the most heat, put into a heavy reinforced salamander, self-draining, and will heat a steady stream of water to a temperature suitable for mixing concrete, mortar, etc., in zero weather.

Will last for years.

Weight..... 300 lbs.
List Price..... **$97.50**



Concrete Hoisting Equipment



The following equipment is used in connection with a wooden tower, built by the contractor in accordance with a drawing, showing a general dimensions, and specifications which will be furnished by us to purchasers of equipment.

These outfits are built in five standard sizes:

No. 107—¼ yard capacity. No. 121—¾ yard capacity.
No. 114—½ yard capacity. No. 128—1 yard capacity.
No. 135—1¼ yard capacity.

Each Tower Outfit Includes

Two Top Sheave Wheels and Boxes. One Bucket and Bale Complete; One Receiving Hopper fitted with bucket dumping guides; One Balanced Swing Chute and boxes for fastening one Bottom Sheave Wheel.

Prices

No.	BUCKET			H. P. at 100 ft. per Min.	Cable Inches	Sheaves Inches	Use with Hopper No.	Receiving Hopper		Weight Outfit Complete	Price Outfit Complete
	Capacity Cu Ft	Weight Lbs. Empty	Full					Capacity Cu Ft	Weight Empty		
107	7	255	1305	5	⅜	14	214	14	370	800	**$263.00**
114	14	530	2630	10	½	18	228	28	590	1340	**364.00**
121	21	570	3720	15	⅝	18	242	42	630	1420	**396.00**
128	28	700	4750	20	⅝	18	256	56	810	1730	**500.00**
135	35	810	6210	25	¾	18	270	70	1120	2170	**564.00**

Tower Fittings

Top Sheaves

Two-14-inch sheaves and boxes with lag screws furnished on tower outfit No. 107. 18-inch sheaves used on all other outfits.

Prices

No. T14. 14-inch sheaves.
Weight 130 lbs. **$23.00**

No. T18. 18-inch sheaves.
Weight 230 lbs 27.00

Swivel Bottom Sheave

14-inch sheaves used on No. 107 tower outfit. 18-inch sheave used on all other sizes.

No. B14. 14-in. sheaves. Weight 65 lbs. **28.50**
No. B18. 18-in. sheaves. Weight 130 lbs **32.50**

Balanced Swing Chute

Furnished with boxes and lag screws complete ready for installing on wooden hoist tower.

No. 316. 16 in. wide for No. 107 Outfit. Approx. weight, 40 lbs.
Price **$17.50**

No. 322. 22 in. wide for all other size Outfits. Approximate weight, 50 lbs.
Price. **$19.50**

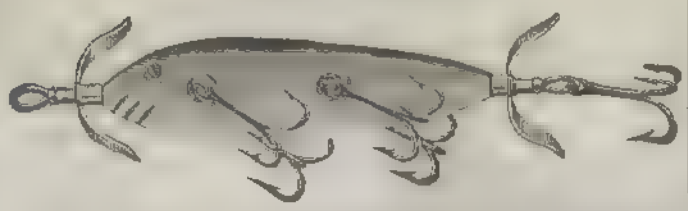
Tower Receiving Hopper

This hopper is attached to sliding frame on the distributing plant tower and acts as a receiver when concrete is hoisted from the mixer, and allows a uniform flow of concrete through chutes to the forms.

List Number	Capacity Cubic Feet	Use with Bucket Number	Approximate Weight	Price
214	14	107	370	**$109.00**
228	28	114	590	**154.00**
242	42	121	630	**174.00**
256	56	128	810	**255.00**
270	70	135	1120	**294.00**

WOOD MINNOWS

HEDDON'S DOWAGIAC



These minnows are exactly alike in every detail excepting in style of coloration. Fitted with two spinners and five No. 2 extra strong special "Dowagiac" nickel plated treble hooks. Length of body 3¾ inches.

	Per Doz
No. 150—Fancy green back, white belly	$26 40
No. 151—Rainbow	26 40
No. 152—White body, slate colored back	26 40
No. 153—Bright aluminum and silver gray finish	26 40
No. 154—Red body, dark green back	26 40
No. 157 Sienna yellow	26 40
No. 159—Silver white	26 40
No. 159A Yellow perch	26 40
No. 159B—Frog colors	26 40
No. 159D—Scale finish	26 40
No. 159P—New shiner, scale finish	26 40
No. 159L—Scale finish, yellow perch	26 40
No. 159K—Goldfish scale	26 40
No. 159J—Frog, scale finish	26 40
No. 159H—Reg scale finish	26 40

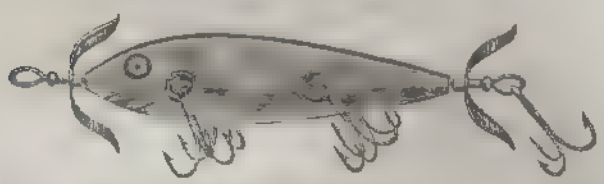
One in cardboard box; wt each ¾ oz.

DOWAGIAC

These minnows are exactly alike in every detail excepting in style of coloration. Fitted with two spinners and three No. 2 extra strong special "Dowagiac" nickel plated treble hooks. Length of body 2¾ inches.

	Per Doz
No. 100—Fancy green back, white belly	$25 05
No. 101—Rainbow	25 05
No. 104—Red body, dark green back	25 05

One in cardboard box, wt each ⅜ oz.



These minnows are exactly alike in every detail excepting in style of coloration. Fitted with two spinners, and five extra strong "Dowagiac" nickel plated treble hooks. Length of body 3½ inches. New design with five flat surfaces and side hooks mounted on a ridge with body of minnow sloping away from the hooks, leaving them in the clearest possible position for efficiency.

	Per Doz
No. 00—White body; red, green and yellow decorations	$26 40
No. 001—Yellow body, red, green and black decorations	26 40
No. 002—Red body; with black decorations	26 40

One in cardboard box, wt each 1 oz.

WOOD MINNOWS

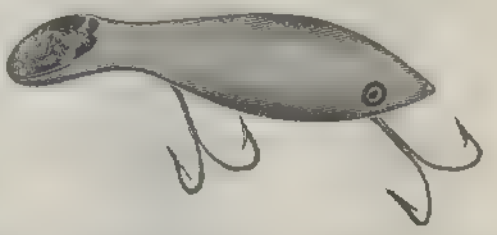
DOWAGIAC

Equipped with two treble hooks on bottom and one on tail, non-rotating hook fasteners. Surface casting or skittering bait without revolving parts; semi-weedless. Length of body 4¾ inches.

	Per Doz
No. 209B—Frog colorations	$26 40
No. 209D—Scale finish, natural green	26 40
No. 209BH—White body with nickeled collar, blue snout	26 40

One in cardboard box; wt each ¾ oz.

TAD POLLY



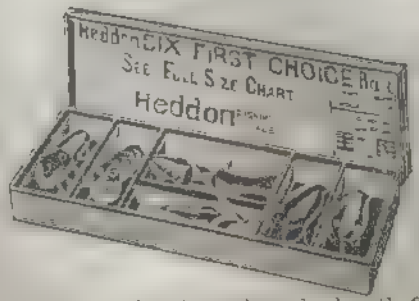
Equipped with two double hooks, non-resisting hook fasteners and eyes. Floats well at rest, and in action has a diving, wiggling motion. Length of body 3⅛ inches.

	Per Doz
No. 5000S—White spotted	$26 40
No. 5002—White body, red head	26 40
No. 5009A—Yellow perch	26 40
No. 5009D—Scale finish, natural green	26 40
No. 5009K—Scale finish, gold finish	26 40
No. 5009P—New Shiner, scale finish	26 40
No. 5009L—Yellow perch, scale finish	26 40
No. 5009J—Frog, scale finish	26 40

One in cardboard box; wt each ⅜ oz.

BAIT ASSORTMENTS

HEDDON'S



Assortment consists of six baits:

1 shiner scale, length 4¾ inches, with two treble hooks; 1 [illegible] scale, length 4½ inches, with three treble hooks; 1 white and red, Heddon-Stanley bark rind lure; 1 scale finish, natural green, length 3⅛ inches, with double hooks; 1 perch scale, length 3[illegible] inches, with two treble hooks; 1 white body with red head, length 4¼ inches, with three treble hooks.

	Per Ass't
No. 1H8—Wt per ass't 9 ozs.	$13 95

One ass't in an attractive display cardboard box.

WOOD MINNOWS
SOUTH BEND

These baits are perfect for casting and trolling for all game fish such as bass, pike, pickerel, etc. Bodies are made of genuine selected red cedar, having many coats of special waterproof enamel, beautifully and artistically blended. The eyes are properly placed and counter-sunk to give natural appearance. All trimmings are heavily nickel plated, excepting the spinners which are made of high grade 18% nickel silver polished and buffed. Hooks are imported, highly finished and extra strong.

BASS ORENO

Two side and one tail treble hook. Length body 3½ inches.

	Per Doz
No. 973RSF—Scale finish with red blend	$22 50
No. 973R—Solid red color	22 50
No. 973RH—Red head and white body	22 50
No. 973LUM—Nite luming finish	22 50
No. 973RAIN—Rainbow color	22 50
No. 973YP—Yellow perch, scale finish	22 50

One in box.

PANETELLA (Slim Jim.)

(Illustration shows five treble hooks)

Five Treble.

Four sides and one tail treble hook. Length of body 4½ inches.

	Per Doz
No. 915GCBW—Green colored back, white belly	$23 70
No. 915RAIN—Rainbow color green back, red and yellow sides, blending into white belly	23 70
No. 915RH—Red head with white body	23 70

One in cardboard box

Five Treble Under Water Minnows.

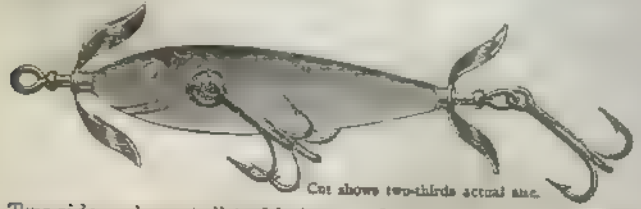
Four side and one tail treble hook. Length of body 3⅜ inches.

	Per Doz
No. 905R—Rainbow	$23 70

One in box.

PFLUEGER'S CHAMPION

Heavily coated with indestructible waterproof porcelain enamel, made from special formula. Detachable nickel plated hooks, spinners and connections.



Cut shows two-thirds actual size.

Two side and one tail treble hook. Length of body 2¾ inches.

	Per Doz
No. 6194-2¾—White enamel belly, green back	$12 60
No. 6195-2¾—White enamel belly, red back	12 60

One in cardboard box.

WOOD MINNOWS
PFLUEGER'S CHAMPION

Four side and one tail treble hook. Length of body 3⅝ inches.

	Per Doz
No. 6194-3⅝—White enamel belly, green back	$15 75
No. 6195-3⅝—White enamel belly, red back	15 75

One in cardboard box.

PHANTOM MINNOWS

Life-like minnow heads; made of strong ribbed silkalene, the best substitute ever found for silk. Blended with oil colors guaranteed not to crack or, pell or fade. Mounted on good quality gut shafts and gongs with best quality spear point treble hooks bronzed. Brass barrel swivels.

"PFLUEGER'S"

Nos.	(Old Nos.)	Length Minnow, ins.	Per Doz
1515-1	1	2	$12 00
1515-2	2	2½	12 60
1515-3	3	3	12 60
1515-4	4	3½	14 25
1515-5	5	3½	14 25
1515-6	6	4	16 50
1515-7	7	4¼	18 90

One on card in cardboard box; wt per doz 2 ozs.

WOOD MINNOWS
CREEK CHUB

Famous Pikie Minnow.

Genuine cedar, slim body; rust proof bronze hooks set in sockets and blend with color of body. This new nature lure so closely imitates the pike minnow in shape, color and movement that the combativeness of the bass is aroused and they strike it to kill. Gives best results when reeled slow but does not revolve if reeled fast. Especially designed near surface wiggler but by turning up the screw eye and reversing mouth piece it becomes a surface splatter. Length body 4½ inches.

	Per Doz
No. 700—Pikie minnow, scale finish	$25 20
No. 703—White with red head	25 20
No. 704—Natural yellow perch, scale finish	25 20
No. 705—Golden shiner, beautiful light golden sides	25 20
No. 706—Rainbow	25 20

One in cardboard box; wt per doz 1⅝ lbs.

BASS SPOONS

AL WILSON

Nickel silver spoon, equipped with heavy brass barrel swivel and fine quality hand forged O'Shaughnessy bronzed hook.

Nos.	2B	3B	4B
Size spoon, ins	5/8x1 5/8	3/4x2 1/8	1 1/8x2 3/4
Wt per doz, lbs	3/8	5/8	15/16
Per Doz	$12 60	15 00	18 00
Nos.	**5B**	**6B**	**7B**
Size spoon, ins	1 1/16x3 3/8	15/16x4 1/4	1 1/16x5 1/2
Wt per doz, lbs	1 1/16	1 1/4	1 1/2
Per Doz	$23 25	27 75	30 00

One doz in cardboard box.

SPINNERS

AL WILSON

Polished brass spoon, brass barrel swivel; bronzed double point Limerick hooks.

Nos.	00	0	1	2	3	4
Size spoon, ins	5/16x3/4	5/8x1 1/8	11/16x1	12/16x1 1/16	15/16x1 9/16	1 1/16x1 1/2
Wt per doz, lbs	1/8	1/4	5/16	3/8	7/16	1
Per Doz	$7 20	7 20	7 65	7 65	8 40	8 40

One doz in cardboard box.

No. 600 Series

No. 400 Series

NOTANGLE, EPPINGER

Attractive spinning lure can be cast without fear of a tangle, hooks can be quickly and easily changed by simply pressing gently locking lug and lifting the bell back, the bell keeps the hook from dangling back on the line. Length 3 inches.

	Per Doz
No. 401—Nickel, reverse side black with white chunk	$13 20
No. 402—Nickel, reverse side black with white stripe	13 20
No. 415—Nickel, reverse side red with white chunk	13 20
No. 416—Nickel, reverse side red with white stripe	13 20
No. 422—Polished nickel, both sides	13 20
No. 423—Polished brass, both sides	13 20
No. 424—Polished copper, both sides	13 20
No. 431—Polished nickel, reverse side copper	13 20
No. 601—Nickel, reverse side black with white chunk	13 20
No. 602—Nickel, reverse side black with white stripe	13 20
No. 613—Nickel, reverse side frog coloration	13 20
No. 615—Nickel, reverse side red with white chunk	13 20
No. 616—Nickel, reverse side red with white stripe	13 20
No. 622—Polished nickel, both sides	13 20
No. 623—Polished brass, both sides	13 20
No. 624—Polished copper, both sides	13 20
No. 627—Nickel, reverse side yellow and black spots with red chunk	13 20
No. 631—Polished nickel, reverse side copper	13 20

One in cardb oard box; one doz in display carton.

WOOD MINNOWS

HEDDON'S DOWAGIAC

Every "Dowagiac" minnow is coated with from seven to twelve coats of the special "Dowagiac" porcelain enamel, the number of coats depending upon the style of finish. This enamel is guaranteed against peeling or cracking.

Every metal fitting, including treble hooks, are nickel plated.

All of the "Dowagiac" minnows are made of selected cedar, which is chemically treated to prevent absorption of water, and are so weighted as to cause them at all times to run absolutely true in the water.

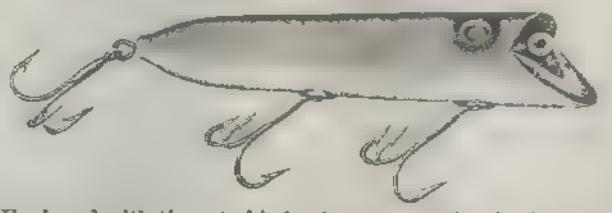
GAME FISHER

Flexible body. Equipped with two treble hooks, non-rotating hook fasteners and eyes; floats while at rest, draws below the surface in a zig-zagging motion. Length of body 4 3/4 inches.

	Per Doz
No. 5501—Rainbow	$33 00
No. 5502—White, red head and tail	33 00
No. 5509D—Green scale	33 00
No. 5509P—Shiner scale	33 00
No. 5509M—Pike scale	33 00

One in cardboard box.

HEAD ON BASSER



Equipped with three treble hooks, non-rotating hook fasteners and eyes. Darts and swims in an irregular way, very erratic in action but equally positive in results. Will run from one to three feet below the surface when retrieved. Length of body 4 1/4 inches.

	Per Doz
No. 8501—Rainbow	$22 50
No. 8502 White body, red head and tail	22 50
No. 8509D—Green scale finish	22 50
No. 8509M—New Pike, scale finish	22 50
No. 8509P—Shiner, scale finish	22 50

One in cardboard box.

VAMPIRE

Equipped with three treble hooks, non-rotating hook fasteners and eyes. Floats well at rest, and in action has a diving, wiggling and darting motion very like that of a live fish; flat nosed to resemble a baby pike. Length of body 4 3/4 inches.

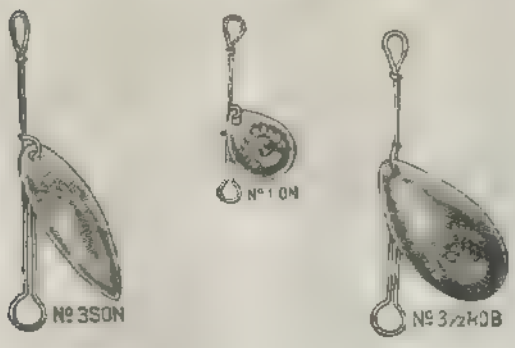
	Per Doz
No. 7500S—White body, red and green spots	$26 40
No. 7501—Rainbow	26 40
No. 7502—White body, red eyes and tail	26 40
No. 7509D—Green scale finish	26 40
No. 7509M—New Pike scale	26 40
No. 7509P—New Shiner, scale finish	26 40

One in cardboard box.

TROLLING BAIT

HILDEBRANDT SPINNERS

Single.



Hand made from best material, highly polished nickel blades, mounted on steel tinned music wire with reversible lugs. All baits have snap connections so that any kind of hook, fly or pork rind can be used.

Standard.

	Per Doz
No. 0H0B—Brass Finish	$3 90
No. 1H0N—Nickel Finish	3 90
No. 2H0C—Copper Finish	3 90
No. 3H0N—Nickel Finish	3 90
No. 3½H0B—Brass Finish	5 25

Slim Ell.

	Per Doz
No. 0S0B—Brass Finish	$3 90
No. 1S0N—Nickel Finish	3 90
No. 3S0N—Nickel Finish	3 90

Idaho.

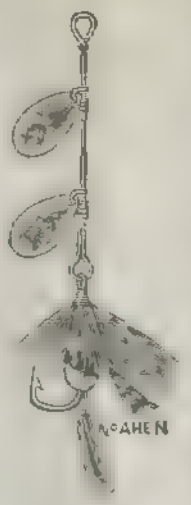
	Per Doz
No. 01OB—Brass Finish	$3 90
No. 11ON—Nickel Finish	3 90
No. 21OC—Copper Finish	3 90
No. 31ON—Nickel Finish	3 90
No. 3½1OB—Brass Finish	5 25

One doz in cardboard box wt per doz 5 ozs.

TROLLING BAIT

HILDEBRANDT SPINNERS

With Flies—Tandem.



Hand made from best material, polished nickel blades. All baits have snap connections which allows any kind of hook or fly to be used. Adapted best for dark days, muddy or rough water.

Standard.

	Per Doz
No. 00HFN—No. 10 Fancy Feather Fly	$9 30
No. 0HFN—No. 6 Fancy Feather Fly	9 30
No. 8HFN—No. 2 Fancy Feather Fly	10 50

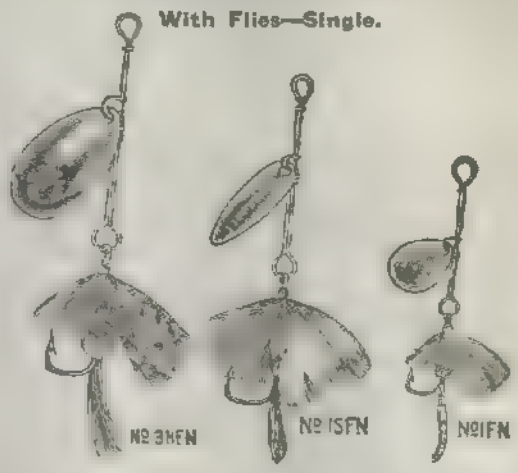
Idaho.

	Per Doz
No. 00IFN—No. 10 Fancy Feather Fly	$9 30
No. 0IFN—No. 8 Fancy Feather Fly	9 30
No. 8IFN—No. 4 Fancy Feather Fly	10 50
No. 8IBN—No. 1-0 Bucktail Fly	17 25

One doz in cardboard box; wt per doz 6 ozs.

HILDEBRANDT SPINNERS

With Flies—Single.



Hand made from best material, highly polished nickel blades mounted on steel tinned music wire with reversible hinge lugs. All baits have snap connections so that any kind of hook or fly can be used.

Standard.

	Per Doz
No. 0HFN—No. 10 Fancy Feather Fly	$6 60
No. 1HFN—No. 8 Fancy Feather Fly	6 60
No. 2HFN—No. 4 Fancy Feather Fly	6 60
No. 3HFN—No. 2 Fancy Feather Fly	7 95
No. 31 HBN—No. 2-0 Bucktail Fly	13 20
No. 4HBN—No. 3-0 Bucktail Fly	14 40

Slim Ell.

	Per Doz
No. 0SFN—No. 10 Fancy Feather Fly	$6 60
No. 1SFN—No. 6 Fancy Feather Fly	6 60
No. 2SFN—No. 4 Fancy Feather Fly	6 60
No. 3SFN—No. 2 Fancy Feather Fly	7 95

Idaho.

	Per Doz
No. 11FN—No. 8 Fancy Feather Fly	$6 60
No. 21FN—No. 6 Fancy Feather Fly	6 60

One doz in cardboard box; wt per doz 6 ozs.

HEDDONS DOWAGIAC MINNOWS

SINKING MINNOWS

Three Treble Hooks, Two Spinners, 2¾ Inch Wood Body

	Per Dozen
No. 100 —Fancy green back; white belly	$12 00
No. 101 —Rainbow colors	12 00
No. 102 —White body with red eyes	12 00
No. 109A—Yellow perch	12 00
No. 109D—Scale finish; natural green.	12 00
No. 109H—Red scale finish.	12 00

Five Treble Hooks, Two Spinners, 3¾ Inch Wood Body

	Per Dozen
No. 150 Fancy green back white body	$12.00
No. 101 —Rainbow colors	12 00
No. 152 White body, with red eyes	12.00
No. 159A—Yellow Perch	12.00
No. 159D—Scale finish; natural green	12.00
No. 159H—Red scale finish	12.00

SURFACE MINNOWS

Two Treble Hooks, Two Spinners, 3¾ Inch Wood Body

	Per Dozen
No. 300 —Fancy back finish	$12.00
No. 300S—White body; red and green spotted	12.00
No. 302 —White body; red eyes	12.00

SPOON BAITS

FLUTED

No. 110—Polished Nickel, Red and Satin Nickel Concave Spoon

Mounted with reversible hinge lug on tempered spring brass wire shaft. File point treble hooks; assorted feathers.

Nos.	5	4	4½
Length blade, inches	1⅛	1⅛	1⅜
Width blade, inches	⅜	⅜	⅞
Size hook, Nos	4	3	1
Per Dozen	$2 40	3.60	3 60

One in a box; six boxes in a carton

TIP-TOP SPINNER

No. 1105—Polished Nickel One Side, Red Finish on Other

Grooved blades in which a brass tube is firmly soldered. Blades spin with speedy, perfect balance on brass wire shaft. Nickel plated hand forged treble hooks, fancy feathered

Nos.	4	3	2
Length blade, inches	1⅛	1⅜	2
Width blade, inches	⅜	½	⅝
Size hook, Nos	2/0	3/0	4/0
Per Dozen	$8.40	8.40	9 60

One in a box; six boxes in a carton.

FISHING FLOATS

EGG SHAPE

Wood

Soft and buoyant wood, painted red and green with quill tops and brass wire spring line fasteners

No. 1630—Size, inches	1¼	2
Per Dozen	$0 75	1.00

Three dozen in a box

Cork

Solid satin cork, painted red and green; stick top with brass wire spring line fasteners.

No. 1660—Size, inches	1¼	2
Per Dozen	$1.25	2.00

One dozen in a box.

BARREL SHAPE

Cork

Solid satin cork, painted red and green; stick top with brass wire spring line fasteners.

No. 1860—Size, inches	2	2½	3
Per Dozen	$1 50	2.00	3.00

One dozen in a box

PORCUPINE QUILL

Genuine African porcupine quills, natural color; varnished; flexible band line fastener.

No. 320—Length, inches	4	6	8
Per Dozen	$0 90	1.50	2 50

One dozen in a box

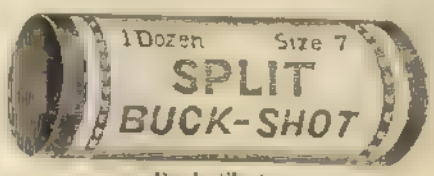
SPLIT SHOT SINKERS

Full standard size; perfectly split; full count

BB Drop Shot

No. 1801—Two dozen in a wood box....Per Dozen $1 00

One dozen boxes in a carton.



Buck Shot

No 1811—Size	4	5	6	7	3 0	BB
In wood box, dozen	1	1	1	1	1	1
Per Dozen	$0.85	.85	.85	.85	85	.90

Three dozen boxes in a carton

FISHING LINES

SUPERIOR

Sizes of Superior and Eureka.

Twisted White Cotton, 20 Foot Hanks.

Size Nos.	2	4	6	8
Threads	8	12	9	15
Per Gross	$4.50	5.50	6.25	8.00

Twelve hanks connected, one-half gross in a box

EUREKA

Drab Color Twisted Cotton, 15 foot Hanks.

Size Nos.	2	4	6	8
Threads	8	12	9	15
Per Gross	$5 00	6 00	6 50	7 50

Twelve hanks connected, one-half gross in a box.

SEA ISLAND COTTON

Braided, Variegated Color, Extra Quality Yarn

Nos.	2	3	4	5
Per Gross	$10 00	9.00	7 50	6.00

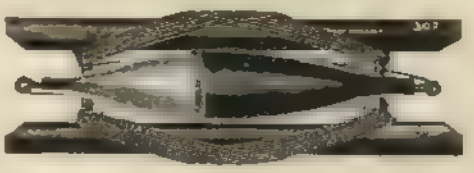
Fifteen foot hanks, 12 connected; one-half gross in a box

FURNISHED FISH LINES

No. 1 Stained and polished flat wood winder, 4⅞x1¾ inches; 15 foot drab cable laid line, ringed hook, shot sinker and 1⅝ inch egg float painted one color.
.....Per Dozen $1 00
Two dozen in a box.

No. 122—Split Japanese cane winder, 5x1¼ inches; 12 foot cable laid line, ringed hook, shot sinker and 1½ inch adjustable egg float, enameled in three colors..
.....Per Dozen $2 00
Three dozen in a box

FURNISHED FISH LINES

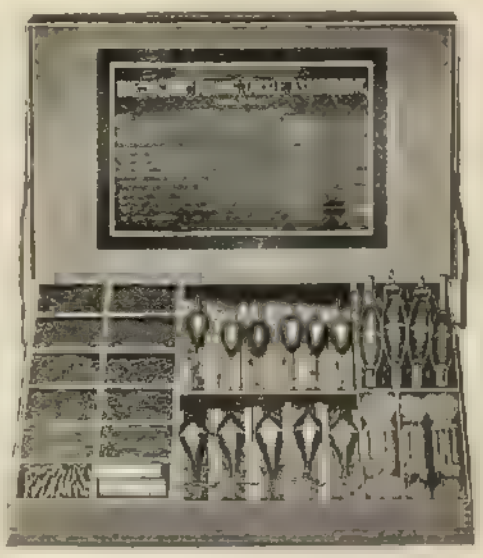


No. 307—Japanese cane frame winder, 4¾x1⅝ inches; assorted colors, enameled; 15 foot variegated silkalette braided line, 3½ inch adjustable barrel float, enameled in three colors; snelled hook and adjustable sinker..
.....Per Dozen $4 00

One dozen in a box.

FISHING TACKLE ASSORTMENT

VICTOR



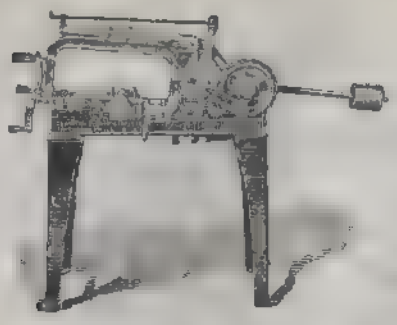
No. 700 Victor Assortment—As described below in hinge cover box, 3¾x11 inches; weight per assortment 2½ pounds .....Per Assortment $9 88

Contents of Victor Assortment:

500	Kirby hooks, ringed, file point; assorted sizes to retail 2 for 1 cent
300	Limerick hooks; ringed, file point; assorted sizes to retail 2 for 1 cent
200	Carlisle hooks, ringed, file point, assorted sizes to retail 1 cent each
12	Furnished lines (flat winder) to retail 5 cents each.
9	Furnished lines (flat winder); retail 10 cents each
12	Adjustable floats; enameled 3 colors; assorted sizes, to retail 7 cents each
24	Ringed sinkers; assorted sizes; to retail 2 cents each
1	Box split shot sinkers; to retail 5 cents each.
1	Box split shot sinkers; medium; to retail 10 cents each.
12	Ecru Eureka lines; 15 in a hank; small, to retail 2 cents each
12	Ecru Eureka lines; 15 feet in a hank; small; to retail retail 3 cents each.
12	Green Eureka lines; 12 feet in a hank; large to retail 5 cents each.
Total retail value.....				$9 88

POWER HACK SAW FRAMES

CHAMPION



Equipped with a swivel vise cutting off accurately at any desired angle, gravity feed, automatic shut-off that stops machine when the sawing of material is completed; positive clutch; driven by accurately cut gears; requiring a narrow belt and positive drive with less power; an attachment to automatically lift the saw blade on return stroke and gradually replace the blade in contact with work on cutting stroke.

No.	6
Length blades, ins	8, 12 or 14
Stroke blade, ins	6
Cutting capacity, ins	6x6
Size driving pulley, ins	9x2
Floor space required, ins	36x18
Size vise jaws, ins	3⅜x6¼x6
Geared	3 to 1
Wt each, lbs	245
Speed pulley, R P M	120 to 180
Each	+$174 00

Crated.

Equipped with a plain vise automatic shut-off that stops machine when the sawing of material is completed; positive clutch which will cut-off accurately up to 4x4 ins.

No.	4
Length blade, ins	8 or 10
Stroke blade, ins	6
Cutting capacity, ins	4x4
Size driving pulley, ins	9x2¼
Floor space required, ins	24x10
Size vise jaws, ins	2⅝x3⅝x4¼
Speed pulley, R P M	40 to 60
Wt each, lbs	110
Each	+$99 00

Crated

+F. O. B. Pennsylvania Factory Only.

POWER HAMMERS

HERCULES

Frame and anvil cast in one solid piece, assuring perfect alignment of die and the solid anvil, giving solidity and rigidity for reception of severe and rapid blows; position of the dies are such that there is no limit to the length of bar that can be worked and may be used as well from one side as the other; control of hammer is at the will of operator, so that blow can be struck and hammer stopped on the up stroke.

Nos.	0	1
Height, ins	64	88
Size base, ins	18x25	20x27
Wt ram, lbs	30	65
Upper die, ins	3x1½	2½x6½
Lower die, ins	3x2	2½x3
Size pulley, ins	9x2½	10x2½
Speed R P M	400	300
Capacity, ins	2	2½
Horse power	1	2
Wt each, lbs	1100	1400
Each	+$450 00	+$675 00

Crated.

DRILL CHUCKS

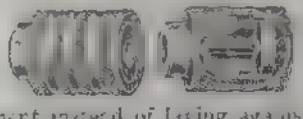
GOODELL'S

Well finished, strong and accurate, fitted with three hardened steel jaws. No chuck wrench is required to tighten or loosen this chuck The shank or spindle is arranged to receive a stud which, as the shell is turned forces the jaws forward and tightens the chuck. The jaws are held apart by separating springs which draw them back as the chuck is loosened.

	Each
No. 15—With ⅜ in. straight shank; for drills up to ¼ in, with arbor	$4 50
No. 15½—With ½ inch straight shank; for drills up to ⅜ in, with arbor	5 55
No. 16—With ½ in. straight shank; for drills up to ½ in, with arbor	7 50
No. 165—With ⅝ in. straight shank, for drills up to ½ in, with arbor	7 50

One in box, wt each ½ lb.

CHAMPION



Well finished strong and accurate, fitted with three hardened steel jaws. The jaws work from center of chuck insuring perfect alignment instead of laying against shell The jaws of chuck are forced together evenly with great pressure so that all size bits are up to full capacity are held securely and cannot slip. Ball-bearing end thrust, ball is held in space by retainer. Each

No. 3J Diam ⅜ ins; length 2¾ ins; capacity 0 to ½ in; wt each 1¼ lbs $16 50

One in cardboard box.

ARBORS FOR ABOVE CHUCKS

	Each
No. 3JA-½—With ½ in. shank	$2 25
No. 3JA-⅝—With ⅝ or ⅝ in. shank	2 25
No. 3JA-1T—With morse taper shank No. 1	3 30

Packed loose.

+F. O. B. Pennsylvania Factory Only.

DRILL CHUCKS
STANDARD IMPROVED

This chuck has no projecting jaws, and the plate prevents the use of larger work than the chuck is designed for, very substantial guaranteed to hold true and not injure the shank of the drill; holds round or square work; the jaws are guided by three strong gibs, and the screws are larger than in any chuck of similar size and type. The jaws and screws are of tool steel, carefully tempered. The hole in the nut is made to fit a taper arbor, but can be bored out and threaded to a special templet at small cost.

Nos.	00	0	1	2	3
Diam, ins	1 3/8	1 11/16	2 5/16	2 7/8	3 7/16
Length, ins	2 9/16	2 11/16	2 13/16	3 3/8	4 1/4
Cap, in	0 to 1/4	0 to 3/8	0 to 1/2	0 to 3/4	0 to 1
Wt each, lbs	1	1 3/4	3 1/8	6	9 3/4
Each	✦$19 50	21 00	22 50	25 50	✦32 25

One in box.

ARBORS

For standard improved drill chucks.

Nos.	137D0 1/2	137D1 1/2	137D2 1/2	137D2
Diam shank, ins.	1/2	1/2	1/2	41/64
Length shank, ins	2 1/2	2 1/2	2 1/2	2 1/2
Extreme length, ins.	3 3/4	3 3/4	4	3 3/4
For std chucks, Nos.	0	1	2	2
Each	$1 65	1 65	2 55	2 55

Packed loose.

For standard improved drill chucks.

Nos.	137D0	137D1
Diam shank, ins	41/64	41/64
Length shank, ins	2 1/2	2 1/2
Extreme length, ins	3 3/4	3 3/4
For std chucks, Nos	0	1
Each	$1 65	1 65

Packed loose.

RATCHET DRILLS
KEYSTONE
Reversible Square Sleeve.

Handle cold drawn tubing; body and socket forged; all wearing parts hardened. Takes No. 104A and No. 406 square taper shank drills.

Nos.	1	2	3
Length handle, ins	10	14	16
Length head, ins	5 5/16	7 5/16	7 5/16
Wt each, lbs	3 1/2	6 1/2	7 1/2
Each	$15 00	17 25	19 50

One in cardboard box.

KEYSTONE
Reversible Morse Taper.

Handle cold drawn tubing; body and socket forged; all wearing parts hardened. Takes No. 104 and No. 405 morse taper shank drills.

Nos.	21	22	23
Length handle, ins	10	14	16
Length head, ins	6 1/16	8 9/16	8 9/16
Takes drills, size ins	47/64 to 29/32	29/64 to 1 1/4	29/64 to 1 3/4
Wt each, lbs	3 3/4	6 1/2	7 1/2
Each	$15 75	18 00	20 25

One in cardboard box.

✦F. O. B. Ohio Factory Only.

RATCHET DRILLS
Reversible Boiler.

Hand cold drawn tubing; body and socket forged; all wearing parts hardened. Takes No. 104A and No. 406 square taper shank drills.

Nos.	31	32
Length handle, ins	10	14
Length head, ins	3 13/16	4 1/2
Wt each, lbs	3	5
Each	$15 00	17 25

One in cardboard box.

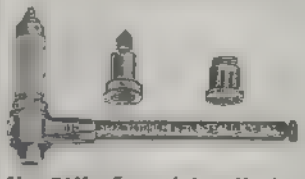
KEYSTONE
Weston, Single Acting.

Drop-forged steel body and socket; solid bar steel handle; all wearing parts hardened. Nos. A12 and A14 take Nos. 104A and 406 square taper shank drills; Nos. A16 and A18 take No. 104A square taper shank drills.

Nos.	A12	A14	A16	A18
Length handle, ins	12	14	16	18
Length head, ins	6	7 1/2	8 1/4	8 1/4
Wt each, lbs	8	9	2	15
Each	$17 25	18 75	✦20 25	✦22 50

One in pkg.

KEYSTONE—Reversible Combination.



Four complete ratchets in one. Has long and short feed for Morse taper or square taper shank drills. Handle cold drawn tubing; body and socket forged; all wearing parts hardened.

Each

No. 50M—Length handle 8 1/2 ins; takes Nos. 405 and 104 Morse taper shank drills, sizes 1/8 to 9/16 in; and bit stock drills Nos. 409 and 108; wt each 2 1/2 lbs $21 00

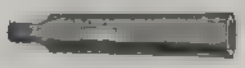
No. 51M—Length handle 10 ins; takes Nos. 405 and 104 Morse taper shank drills, sizes 19/32 to 29/32 in; and Nos. 104A and 406 square taper shank drills; wt each 4 3/4 lbs 23 25

No. 52M—Length handle 14 inches; takes Nos. 406 and 104 Morse taper shank drills, sizes 11/16 to 1 3/8 in. and Nos. 104A and 406 square taper shank drills; wt each 8 1/2 lbs 27 00

No. 53M—Length handle 16 inches; takes Nos. 405 and 104 Morse taper shank drills; sizes 11/16 to 1 3/8 in; and Nos. 104A and 406 square taper shank drills; wt each 9 1/2 lbs 30 00

One in cardboard box.

TAPER SLEEVES



Best tool steel polished; to fit Packer's taper socket ratchet drills.

Each

No. 1—Tapers from 2 to 1; length 3 1/2 ins; wt each 1/4 lb $1 95

No. 2—Tapers from 3 to 2; length 4 3/8 in; wt each 3/4 lb 2 40

In paper, packed loose.

POST DRILL CHUCKS

Made of hardened steel, bright finish; square drilled socket takes regular bit shank twist drills, which are kept from falling out by a friction spring. Shank to fit blacksmith's post drills Nos. 97, 97P, 200, 4, 96, 1900, 95, 91, 93 1/2 and 98 and all other post drills taking regular 1/2 inch straight shank drills.

Each

No. 1—With 1/2 in. straight shank; for bit stock drills $2 55

One in wood box; wt each 1 1/2 lb.

✦F. O. B. New York Factory Only.

OVERALLS

Standard materials, construction and sizes—less than standard prices!

"Hickory" Brand

Cone's 220 White Back Indigo Blue Denim

43 Yds. to the Dozen Garments

Railroad Back

Legs—
Pockets—
Seams—
Side Openings—
Apron—
Fly—
Buttons—
Sizes—
Packing—
SD4139—

Doz Ont

Coat to Match

Sizes—
Packing—
SD4143—

Doz Ont

SPECIALS

220 White Back
Dark Blue Denim

Union Made

Suspender Back Style
Regular and Extra Sizes

Exceptional Value

Legs—
Pockets—
Seams—
Side Openings—
Apron—
Fly—
Buttons—
Trimmings—
Packing—
SD4108—

Regular sizes 32 to 42 waist, 30 to 36 leg. STATE SIZES

Doz **$13.95**

42 Yds. to the Dozen Garments

Legs—
Pockets—
Seams—
Side Openings—
Fly—
Buttons—
Trimmings—
Packing—
SD4110—

Regular sizes 32 to 42 waist, 30 to 36 leg. STATE SIZES

Doz **$16.00**

SD4113—

Extra sizes 44 to 50 waist, 30 to 36 leg. STATE SIZES

Doz **$18.15**

Coat to Match

Packing—
SD4109—

Regular sizes 36 to 44 STATE SIZES

Doz **$13.95**

Coat to Match

Packing—
SD4111—

Regular sizes 36 to 44 STATE SIZES

Doz **$16.50**

SD4115—

Extra sizes 46 to 50 STATE SIZES

Doz **$18.15**

"Boss Mechanic" Coveralls

Denim or Khaki

Legs—
Pockets—
Seams—
Fly—
Openings—
Sleeves—
Buttons—
Sizes—

2-seam

2 front swinging, 2 on bib, 2 hip, 1 chest

Triple stitched where strain is greatest, other seams double stitched

Full length, 8 buttons, 4 covers buttonholes, coat style

4 reinforced

Slipon, curved armholes

Bone

36 to 44 in. chest

SD4080—285 khaki twill. Assrtd sizes 1 doz in bdl, or open stock in any quantity. STATE SIZES

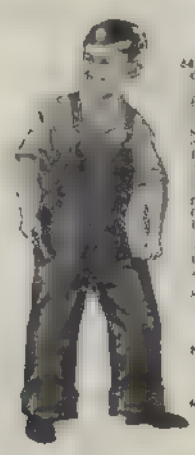
Doz **$27.00**

SD4044—245 white back indigo blue denim. Open stock sold in any quantity. STATE SIZES

Doz **$30.00**

"MONEYSWORTH"
WORK SHIRTS
First in Value.
See page 71

Boys' Overalls—"Hickory" Brand



Sewed-On Bib

245 White Back Indigo Blue Denim

Sewed-on bib, 5 pockets, 2 patch hip pockets, watch pocket on bib, Elastic suspender back, 12 seams triple stitched, leg bar to prevent tearing, bar tacked at all points of strain. Full reinforced bottom, 1 box to bdl. STATE SIZES

SD4070 — Assrtd sizes 4 to 8 yrs

Doz **$8.25**

SD4071 — Assrtd sizes 8 to 12 yrs

Doz **$9.00**

SD4072 — Assrtd sizes 13 to 16 yrs

Doz **$10.50**

220 Blue Denim

White Back Denim Sewed-on bib, 5 pockets, 2 patch hip pockets, watch pocket on bib, Elastic suspender back, 12 seams triple stitched, leg bar to prevent tearing, bar tacked at all points of strain. Full reinforced bottom, 1 box to bdl. STATE SIZES

	Age	Doz
SD4103-4	4	$8.75
SD4103-5	5	9.00
SD4103-6	6	9.25
SD4103-7	7	9.50
SD4103-8	8	9.75
SD4103-9	9	10.00
SD4103-10	10	10.25
SD4103-11	11	10.50
SD4103-12	12	10.75
SD4103-13	13	11.00
SD4103-14	14	11.25
SD4103-15-16	15	11.50

Boys' and Youths' Combination Suits "Hickory" Brand

SD4044

3 Yd. Weight Khaki

Sewed-on bib, 5 pockets, 2 patch hip pockets, watch pocket on bib, Full reinforced seat, 1 box to bdl. STATE SIZES

For Boys—4 to 16 Yrs.

Side seams double stitched and bar tacked. Suspenders sewed on. STATE SIZES

	Size	Doz
SD4064-4	4	$10.75
SD4064-5	5	10.85
SD4064-6	6	10.95
SD4064-7	7	11.05
SD4064-8	8	11.15
SD4064-9	9	11.25
SD4064-10	10	11.35
SD4064-11	11	11.45
SD4064-12	12	11.55
SD4064-13	13	11.65
SD4064-14	14	11.75
SD4064-15	15	11.85
SD4064-16	16	11.95

For Youths 26 to 31 In. Chest

SD4064-Y

Side seams double stitched and bar tacked. Suspenders sewed on. Sizes 26 to 31 in. chest. STATE SIZES

Doz **$16.00**

SD4065

ENDURANCE GUARANTEED

SHEEP LINED COATS

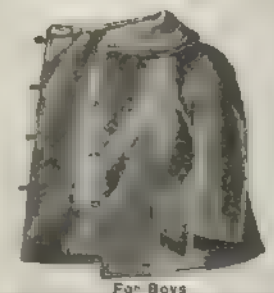
Every one full cut and workmanship of the highest standard in every detail. Guaranteed both as to fit and service. Double breasted, with beaverized collars, attached throat tabs, sewed on buttons and loop fasteners. Full furred sheep pelt linings, heavy woven sleeve linings and knit wristers.

FEATURES
of every "Endurance" Sheepskin Lined Coat

1. Full cut.
2. Selected, well tanned sheepskin pelt lining.
3. Shell fabrics tested for long wear.
4. Sleeves lined with the best wearing material obtainable. Armshields add extra strength.
5. Generously cut beaverized collars—not pieced.
6. Large buttons, securely fastened. Matched loops.
7. Wool knit wristers that hug the wrist.
8. Wide, deep pockets, strongly sewed.

Sheep Lined Coats are Worn for Work, Sports and Dress —A TRIPLE Market!

STATE SIZES



For Boys

Drab Moleskin [illegible] wool smooth finish. Average 30 in. long [illegible] belt. Two flap pockets with [illegible] reinforced corners. About 2[illegible] sheepskin [illegible] to fit waist [illegible] chest. SPECIFY SIZES. Each **$7.50**

For Men—Drab Twill Moleskin

Firmly woven, smooth finish moleskin back 34 in. long, two slash pockets with leather reinforced corners. About 26 in. sheep pelt lining, beaverized sheepskin collar.

1A634. Sizes 38 to 48. SPECIFY SIZES. Each **$7.40**

Muff Pockets

8 Oz. Drab Moleskin. [illegible] back [illegible] woven [illegible] 38 in. long [illegible] lower [illegible] with [illegible] all [illegible] reinforced [illegible] sheepskin [illegible] beaverized sheepskin [illegible]

1A668. Sizes 38 to 48. SPECIFY SIZES. Each **$8.75**

State Sizes

Flap Pockets

10 Oz. Whipcord Moleskin. [illegible] drab [illegible] woven [illegible] 36 in. long [illegible] lower [illegible] with [illegible] muff pockets. 25 in. [illegible] sheepskin collar.

1A668. Sizes 38 to 48. SPECIFY SIZES. Each **$9.50**

Long Sheep Lining

Drab Moleskin. 10 oz. [illegible] woven smooth finish. 38 in. long, [illegible] lower flap pockets with [illegible] reinforced corners. About 28 in. sheep pelt lining, beaverized sheepskin collar.

1A640—Sizes 38 to 48. SPECIFY SIZES. Each **$9.50**

"Endurance" Sheep Lined Moleskin Ulsters

Moleskin

8 Oz. Drab Moleskin. [illegible] woven, smooth finish [illegible] lined throughout with [illegible] sheepskin. [illegible] SPECIFY SIZES. **$14.90**

1A1189. [illegible] Sizes 38 to 48. SPECIFY SIZES. **$18.75**

50 In. Long

"Columbia Moleskin — Firmly woven [illegible] loose all-around belt with buckle [illegible] wide roll collar. Two lower flap pockets and [illegible] pockets. About [illegible] full sheepskin lined sleeves. [illegible]

1A1189. Sizes 38 to 50. SPECIFY SIZES. Each **$22.50**

Rainproof Special

TAILORED SHEEPSKIN COLLAR NOT PIECED
BEST QUALITY WARM SLEEVE LINING
WELL TANNED SELECTED NATURAL SHEEPSKIN PELTS
ARM SHIELDS FOR EXTRA STRENGTH
ALL WOOL KNIT WRISTERS

1A664—10 oz. drab moleskin firmly woven, smooth finish [illegible] 36 in. long, [illegible] lower flap pockets [illegible] 20 in full furred sheepskin pelt lining, beaverized sheepskin collar. Sizes 30 to 48. SPECIFY SIZES. EACH **$12.00**

"Competition" Sheep Lined Coats

These are not made by the "Endurance" factory but they ARE our full and made better than the average sold by manufacturers not able to put their prices. Double breasted with beaverized collar, loop fasteners, sewed-on buttons and heavy lining.

For Boys

8 Oz. Drab Moleskin. [illegible] smooth finish. Average 30 in. long, [illegible] all [illegible] Two [illegible] and two [illegible] Also [illegible] sheepskin collar.

1A652—Sizes 10 to 18 yrs. 28 to 40 in. chest. SPECIFY SIZES. Each **$6.50**

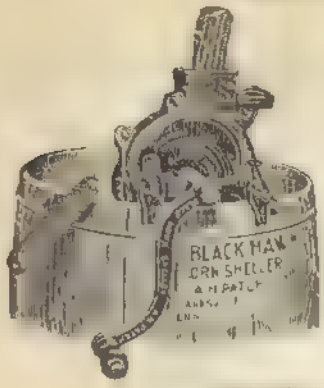
For Men—4 Pockets

9 Oz. Drab Moleskin. [illegible] smooth finish. 36 in. long, [illegible] Two [illegible] and two [illegible] Also [illegible] sheepskin collar, heavy, however [illegible]

1A651. [illegible] SPECIFY SIZES. Each **$7.65**

CORN SHELLERS

BLACK HAWK



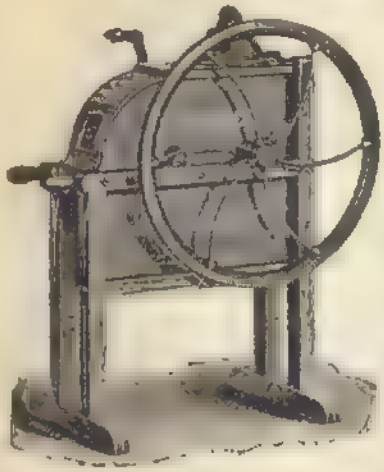
Sheller and Separator

Shells easily and clean; does not scatter; clamps to barrel, box, bin or tub; no tools required, no holes to bore. Malleable iron hopper, separator and crank; all bearings extra long and chilled.

Black Hawk — Capacity 8 to 14 bushels per hour; weight each 15 pounds. .....Each $4 00

Open stock.

HOCKING VALLEY



One Hole, Hand Feed

A right hand sheller with end delivery; has a capacity of 20 to 25 bushels per hour Whether ears of corn are large or small, it will shell them perfectly clean without breaking a grain or throwing out with the cobs. Balance wheel is large and symmetrical, and having wrought iron spokes and a heavy rim, it gives the sheller so much momentum that a child can operate it Will not choke and is easy running.

Hardwood frame unusually rigid, maintaining perfect alignment of working parts; natural color finish, panels painted rich vermilion; neatly striped, varnished and handsomely finished.

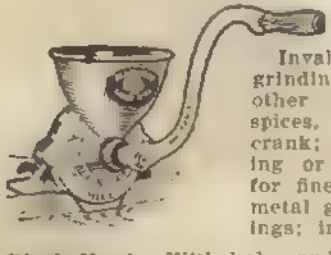
Bearings bored and reamed to machine-fit on shaft, bolted to side rails; gearing bored and reamed. Cross rails have mortised and tenoned joints, held in place by joint bolts. Feed and shelling wheel shafts ⅝ inch cold rolled steel; wheels machine fitted and solidly keyed to shaft Crank shaft has turned shoulder to hold drive pinion in place and prevent it from striking shelling wheel

Nos.	HV1P	HV1F
Style	Plain	With Fan
Weight each, lbs	130	139
Each	$27 50	34 00

One in a crate

GRIST MILLS

BLACK HAWK



For Farm or Family Use

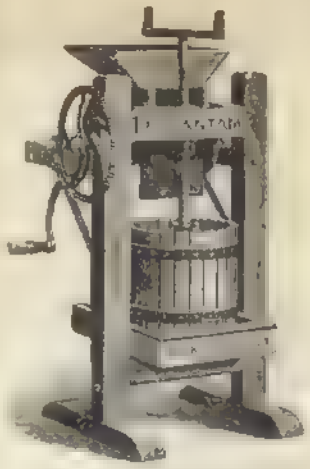
Invaluable for poultry keepers for grinding corn, wheat, rye, rice or other small grains, beans, peas, spices, etc. Long malleable iron crank; easily taken apart for cleaning or repairing, quickly adjusted for fine or coarse grinding; strong metal grinding plates; chilled bearings; interchangeable parts.

Black Hawk—With holes and slots for fastening to table, bench or other support; complete with bolts and wrench; weight each 17 pounds.....Each $6 00

Open stock.

CIDER MILLS

HOCKING VALLEY



Grinding device consists of a series of serrated crucible steel knives, set in a laminated wood cylinder, grate the fruit in such a way as to reduce it to the consistency of apple sauce. This process breaks down all the juice cells, reaches the very heart of the fruit and gives a full flavored, uniform product, which is not possible where the fruit is merely crushed.

Crushing the fruit between iron surfaces results in a brown color and unpleasant taste because of the continuous wiping contact between the fruit and crushing rolls

A pure, clear, full-flavored, amber cider and more of it; greater quantity and a higher quality. Equally well adapted for the handling of grapes, and the only type of cider mill that is adapted to the grinding of grapes before pressing.

Easily adjustable for other fruits and berries

One Tub

Size	Bantam
Capacity, barrels per day	1 to 2
Floor space, inches	19½x22½
Height, inches	40
Size of hopper, inches	11¾x12¾
Size of steel screws, inches	1¼x21½
Tub, inside diameter, inches	10x11¼
Cylinders, inches	5x5¾
Weight each, lbs	125
Each	$40 00

One in a crate.

Two Tubs

Size	Junior	Medium	Senior
Capacity, barrels per day	3 to 5	4 to 6	6 to 8
Floor space, inches	19x32½	22½x38½	26½x45½
Height, inches	40	43	54
Size hopper, inches	12x14¾	14¼x18½	17½x20
Steel screws, inches	1¼x19½	1½x22	1¾x25
Tubs, inside diam., in.	10x11¼	12¾x12¾	15¼x14¼
Cylinders, inches	5x5¾	5½x6¼	6x6¾
Pulleys, inches	10x4	10x4	10x4 Clamp
Weight each, lbs	177	249	362
Each	$64.00	72 00	90 00

One in a crate.

HAY FORKS

IOWA BRAND

First quality; best crucible steel polished oval tines bronzed finish; extra selected straight grained handles, polished, waxed and labeled.

TENNESSEE BRAND

Second quality; crucible steel polished oval tines, blued finish; second grade handles, labeled.

THREE TINE, STRAIGHT HANDLE

Iowa Brand, Plain Ferrule

No.	35½
Handles, feet	5½
Weight per dozen, lbs.	35
Per Dozen	$13.70

One dozen in a bundle, tines covered.

Iowa Brand, Strap Ferrule

No.	035½
Handle, feet	5½
Weight per dozen, lbs	35
Per Dozen	$15.50

One dozen in a bundle, tines covered.

Tennessee Brand, Strap Ferrule

No.	035½X
Handle, feet	5½
Weight per dozen, lbs.	35
Per Dozen	$12 60

One dozen in a bundle, tines not covered

Empire, Black Tines

No. 035Z—5 ft. plain handle.....Per Dozen $12 00

One dozen in a bundle, tines not covered

THREE TINE, BENT HANDLES

Iowa Brand, Strap Ferrule

Nos.	035B	035½B
Handles feet	5	5½
Weight per dozen, lbs.	35	40
Per Dozen	$15 30	16 30

One dozen in a bundle, tines covered

FOUR TINE, BENT HANDLES

Tennessee Brand, Plain Ferrule

No.	45BX
Handle, feet	5
Weight per dozen, lbs.	35
Per Dozen	$14 60

One dozen in a bundle, tines covered.

HAY FORKS

FOUR TINE, BENT HANDLES

Tennessee Brand, Strap Ferrule

No.	045BX
Handle feet	5
Weight per dozen, lbs.	35
Per Dozen	$16.60

One dozen in a bundle, tines not covered

MANURE FORKS

IOWA BRAND

First quality; best crucible steel polished oval tines, bronzed finished; extra selected straight grained handles, polished and waxed.

TENNESSEE BRAND

Second quality, crucible steel polished oval tines, blued finish; second grade handles, labeled.

FOUR TINE, BENT HANDLE

Iowa Brand, Strap Ferrule

No.	044½
Handles, feet	4½
Weight per dozen, lbs.	42
Per Dozen	$19 00

Half dozen in a bundle, tines covered.

Tennessee Brand, Strap Ferrule

No.	044½X
Handle, feet	4½
Weight per dozen, lbs.	42
Per Dozen	$17 50

Half dozen in a bundle, tines not covered.

Tennessee Brand, Plain Ferrule

No.	44½X
Handle, feet	4½
Weight per dozen, lbs.	42
Per Dozen	$15 50

Half dozen in a bundle, tines not covered

FIVE TINE, BENT HANDLES

Iowa Brand, Strap Ferrule

No.	054½
Handles, feet	4½
Weight per dozen, lbs.	43
Per Dozen	$27.50

Half dozen in a bundle, tines covered.

HOLIDAY SPECIALS AT EXTRA SPECIAL PRICES

PLATFORM HORSE
Large size; special 15c seller

T2220 Papier mache dappled gray, hair mane and tail, horse 8½ inches high, 7½ in. long, on stained wood platform 2x7½ ins.; ½ dozen in box. Dozen . 1.10

Regular Price See Page 15

MUTT AND JEFF
Bud Fisher's always popular comic strip characters

T3090 — The popular comic characters, Jeff riding on Mutt's back; when wound up, Mutt hops along, Jeff spanking him; full of action; nicely enameled; length 6½ ins., width 3 ins., 6 ins. high; each in box. Dozen....8.00

Regular Price See Page 20

MINIATURE XMAS TREE

F270—Nicely shaped miniature Christmas tree; made of rus-cus, finished in holly green with red berries; in turned wood gilt tub; height 4¾ ins. 1 dozen in package. Dozen .... .65

Regular Price See Page 81

DANCING DOLL
A real waltzer, excellent 75c seller

T3110 — Celluloid face; 9 in. dressed doll; when wound up waltzes in natural manner; each in box

Dozen 6.00

Regular Price See Page 29

COW HORN TRUMPET
Highly polished; good voice

T2787—Genuine cow horn trumpet, nicely polished; horn mouth piece, with chenille cord; length 7¼ ins.; 1 dozen in box. Dozen .1.05

Regular Price See Page 57

HUMMING TOPS
Bright rainbow colors; long spinning

T5702 — All metal; finished in rainbow colors; wood handle; twist steel wire mechanism, which when pushed down causes top to spin; diam. 2¾ ins.; 5 ins. high; 1 dozen in box Dozen ... .70

Regular Price See Page 60

LONG RUNNING MECHANICAL TRAIN
Four sections curved track, length of train 20½ ins

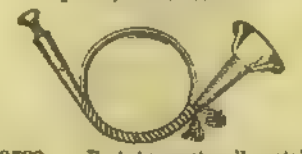
T3228—Consists of 5½ in. steel locomotive, 3½ in. tender, and two 4½ in. Pullmans; complete with 4 sections curved track; New York Central type; total length train 20½ ins.; each in box. Dozen 8.00

DRESSED DOLL
Here's a dandy doll for a special 75c leader

GT470 — Papier mache body, composition arms and limbs; shoulder and hip jointed; bisque head, open mouth, sleeping eyes, full curly wig; with collar; hat to match; stockings and slippers; length 13½ ins.; 1 in box. Dozen 6.00

Regular Price See Page 5

RECALL POST TRUMPET
No trouble to sell at these low prices; extra values



T2783 — Post trumpet; all metal, nickel plated; recall; 2¾ in. bell; chenille cord and tassel; length 9 ins.; 1 dozen in box. Dozen..1.75

T2784—Same as T2783, larger, 4 in. bell; length 12 ins.; ½ dozen in box. Dozen 3.68

Regular Price See Page 57

HANKEE
A farmer boy that actually walks, good 50 cent seller

T3016 — Walking farmer boy; a boy that really walks; lithographed in bright colors and strongly made; each with miniature shovel and rake, size 6 ins. long, 5¾ ins. high, 2¾ ins. wide each in box. Dozen 3.68

Regular Price See Page 28

BLOW FOOTBALL
Keeps the kiddies busy; a good game for two or more

T4536 — Two cut out metal goal keepers, 2 wire goals, 2 celluloid footballs and 6 blow tubes; the players endeavor to blow the foot ball into the goal of their opponents; in box 8½x10½x2 ins.; ½ dozen in package. Dozen ...8.95

Regular Price See Page 69

TARGET GUNS
Vacuum tipped arrows; arrows are fitted with rubber tip, adhering firmly when target is hit

T2918 — Outfit consists of 19 in. gun with 6 in. vacuum tipped arrow, and colored target on heavy card board, size 5¾ x21 ins.; arrow adheres by suction to target when shot from gun; 1 dozen in box. Dozen 3.68

Regular Price See Page 37

ALL METAL GO CART
Well made; gilt finished, folding hood

T2708 — Imitation reed body, white enameled, 3¼ inch wheels; gilt finished wire pusher; fancy trim cloth folding hood; size 2¾x7x8 in. high, ½ dozen in box. Dozen 3.68

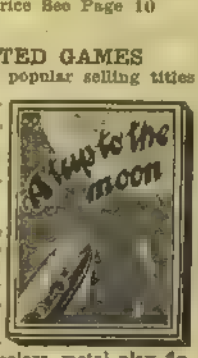
Regular Price See Page 10

SURPRISE BOX
An extra profit paying 25 center

T2384 —Assorted six kinds; comic and doll heads; nicely modeled composition heads; bright painted features; crepe paper costumes, loud colors, fancy paper and picture covered box 4x4 x4¼ ins., 1 dozen in box. Dozen . 1.75

Regular Price See Page 10

ASSORTED GAMES
Six games, all popular selling titles



T4544 — Assorted 6 kinds, Cross Country Race, Trip to the Moon, Through Venice in a Gondola, The Maze, Game of Goose and Journey Around the World; lithographed playing board in colors, metal play figures, spinner, counters, cup, etc., with instructions for playing; in litho labeled box 11x14¾ ins.; ½ dozen in pkgo. Dozen ..3.75

Regular Price See Page 67

WRIST WATCH
Latest model; stem wind, moving hands

T2537 — Assorted gilt and silver shaped cases; stem wind, movable hands; celluloid crystal; ½ in. leather strap with buckle. ½ dozen on card. Dozen . 79

Regular Price See Page 37

PAPER WEAVING
All children take interest in a game of this kind

T5012—Consists of 10 slit assorted color sheets 5¼x7 ins., and a liberal supply of ⅝x7 in. colored strips for weaving various artistic designs; in lithographed labeled box 6½x8½ ins.; 1 dozen in package. Dozen 1.75

Regular Price See Page 70

ROCKING TOY
Assorted comic figures; note the extra special price

T2348 -Assorted cut out wood figures, riding, nodding head goose; nicely enameled in bright, attractive colors; goose shakes head when rocked; size 7x3 ins., 6½ ins. high; 1 dozen in box. Dozen..2.25

Regular Price Was 4.00

NAUGHTY BOY

T8074 — Auto runabout with man and boy occupants; boy operates steering wheel; when wound up runs in circle and zig zag; painted in bright attractive colors; size 5x3 ins., 4½ ins. high; each in box Dozen 3.68

Regular Price See Page 27

FULL JOINTED DOLL
Moving eyes with eye lashes; extra fine mohair wig

GT367 — Bisque turning head, sleeping eyes with eye lashes, open mouth showing teeth; side parted mohair wig; flesh tinted full composition body; ball socket shoulder, elbow, wrist, hip and knee jointed; white lawn slip; removable socks and slippers; length 26¾ ins.; each in box. Each 1.90

Regular Price See Page 7

MERCHANDISE TO PUT PEP IN HOLIDAY SALES

HOME RUN KING
Never misses, and always lines 'em out for a homer

T3175—Base ball player in uniform; mounted on 3½x6¼ x1¾ inch base; receptacle containing a number of small base balls; when wound up, ball comes into position and the batter, representing Babe Ruth, swings, driving the ball 10 to 12 feet; total height 6½ ins.; each in box.
Dozen 6.75

Regular Price See Page 29

WASH STANDS
For the little housekeeper's bed room

T2102 — White enameled, all metal, with mirror, wash bowl and china pitcher; size 2x3¼x5½ in. high; 1 dozen in box.
Dozen 1.75

Regular Price See Page 10

OVERLAND SEDAN
Hinged doors; good spring, long running

T3139—Late model; blue and white finished body and hood; nicely striped; imitation rubber tired blue wheels; with driver; runs straight and in circle; hinged doors; length 9 ins., width 3¾ ins., 4½ ins. high. Dozen 3.00

Regular Price See Page 31

BELL RATTLE
Aluminum bell; assorted shapes to the dozen

T1316 — Assorted styles, aluminum; bone top and handle; chenille cord; length 5 in.; 1 dozen assorted in box. Doz. .40

Regular Price See Page 94

CANDY BOX
Assorted fruits; natural tints

T3611 —Assorted composition fruits, lemons, pears, peaches, etc.; natural tints; average length 3 ins.; 1 dozen in box.
Dozen 72

Regular Price See Page 80

HINOKI WREATHS
A 10 center that will sell as fast as you can hand them out

F300 Red berry closely wound on wire frame; rounded top; rib benzene bow and evergreen sprays, diameter 6½ ins.; 1 dozen in package.
Dozen 65

Regular Price See Page 81

"MAMA" DOLL
Beautifully modeled, attractively dressed; moving eyes; good voice

T2022—Composition shoulder head, moving eyes; fine curly mohair wig, well stuffed body; composition arms and limbs; elbow and loose hip jointed; lawn dress, lace trim, removable socks and slippers; good voice; length 15 ins. Each 2.25

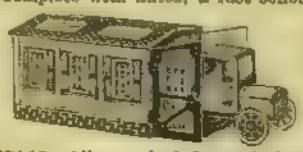
Regular Price See Page 4

ASSORTED BANKS
Note the price; a 50 center for a 35c special

T3759 — Three styles, cat and two dogs; cast metal, hinged heads, clasp with small padlock; nicely modeled and finished in attractive colors; height 4¾ ins.; ½ dozen in box. Dozen 2.25

Regular Price See Page 36

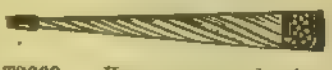
GARAGE
Complete with autos; a fast seller



T3148—All metal, lithographed in bright colors, with painted windows on sides and ends; two hinged doors with latch to keep them closed; four painted sky lights on roof; clockwork spring; Sedan 3x5½ in., 3¼ ins. high, which runs straight or in a circle; garage 4¾x6½ ins., 4 ins. high; ½ dozen in carton. Dozen 4.00

Regular Price See Page 31

PAPER HORNS
A good 5c profit maker



T2660 — Heavy paper, red, white and blue striped; wood mouth piece; length 17 ins.; 3 dozen in box. Gross....3.75 Dozen....33

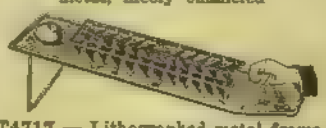
Regular Price See Page 57

ACROBATS
Perform many thrilling feats; strong spring

T3058 — Acrobat on trapeze; metal stand with swinging acrobat; when wound up performs numerous thrilling feats; base 4½x4½ in., 13½ in. high; 5¼ in. performer; each in box. Dozen 6.50

Regular Price See Page 28

STAR SHOOTER
An interesting game of skill; all metal, nicely enameled



T4717 — Lithographed metal frame with numbered traps; a marble is shot through the center, and when trapped rolls into side hole, registering number of points made; the player who shoots the marble through all the traps ringing bell, adds 100 points to his score; size 4x19 ins., 4½ ins. high; each in box. Dozen 8.25

Regular Price See Page 69

NECK CHAIN
Fancy cut beads; tassel end; big 50 cent value

J694 — Assorted shaped cut beads in sapphire, amber, emerald, ruby, jet, etc., with tassel; strung on strong cord; length 31 ins.; ½ dozen assorted in package.
Dozen 2.75

DISC RATTLE
One of the loudest noise makers

T2864 — A new noise maker; two 3 in. metal discs; turned wood handle; extra loud; 4½ ins. long; 1 dozen in box.
Dozen 42

Regular Price See Page 58

ELECTRIC IRON
A practical iron, both as a toy and for home use

T3670—Full nickel plated; iron 1¾ x4x⅞ ins.; ebony finished handle; fitted with 4½ ft. cord and split plug; each in box. Each 1.25

Regular Price See Page 36

PLATFORM COW
With voice; bawls like a real live cow

Nicely modeled papier mache cow; brown cloth covered; wood legs and hoofs; natural glass eyes, and horns; hair brush tail; collar and bell; iron wheeled platform.

T2275—Cow 13 ins. long, 9¼ ins. high; platform 4½x14 ins.; each in box. Each 1.00

Regular Price See Page 15

TROLLEY CAR

T3158 — Lithographed metal; open windows and front and rear platform entrances; strong spring, length 8½ in., 2¼ in. wide, height (top of car) 3½ ins.; each in box. Dozen 7.50

Regular Price See Page 29

HORSE SHOES
The best horse shoe set made, metal discs, rubber shoes

T4661— Two round metal discs 11½ in. diameter, steel pins, painted in black and yellow circles; 4 solid rubber horse shoes 4¾x6x5/16 ins.; set complete in box
Dozen sets 8.00

FILM AND MAGIC LANTERN
Oil burning; an extra good machine at this price

T3908 — Russia steel body and smoke stack; double telescope lens, automatic film tracker; side crank; metal front with glass chimney; can be used as magic lantern, base 3½x5¾ ins., 10½ ins. high, each in box, complete with 3 films and 3 slides. Each 1.50

Regular Price See Page 23

DYNAMOBILE DRIVE FERRIS WHEEL
An exact reproduction of the ones at summer resorts

T3547—Metal base 4x6¾ ins., with 6 car revolving ferris wheel; dynamobile attachment with belt and pulley which drives the wheel; wheel 5 ins. in diameter; total height 8½ ins.; each in box.
Dozen 7.20

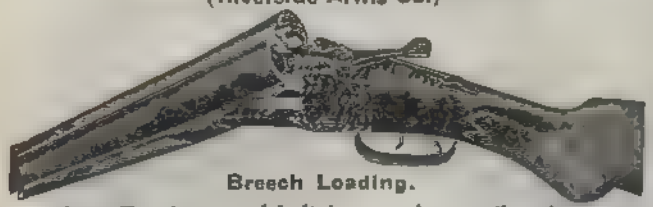
Regular Price See Page 30

D 9

SHOT GUNS

DOUBLE BARREL, HAMMERLESS

(Riverside Arms Co.)



Breech Loading.

Action—Top lever and bolt in one piece; coil springs, case hardened frame, with safety.

Barrels—Blued; tested with nitro and black powder; matted extension rib; barrel and lug in one piece, forged from a solid bar of steel; brazed fore-end lug. Can furnish cylinder, modified or full choke bored.

Stock—Nicely finished, with half pistol grip, checkered; rubber butt plate; length 14 inches; drop 3 to 3¼ inches; snap fore-end checkered.

With Plain Extractor.	Each
No. 315-12—12 gauge, 26, 28, 30 or 32 in. barrels; wt 7½ lbs.	$63 00
No. 315-16—16 gauge, 26, 28 or 30 in. barrels; wt 7 lbs.	63 00
No. 315-20—20 gauge, 26, 28, 30 or 32 in. barrels; wt 6¾ lbs.	63 00
No. 315-410—410 gauge, 26 in. barrel	66 75

One in cardboard box, ten in wood case.

LEFEVER NITRO SPECIAL

(Made by Lefever Arms Co.)

Breech Loading.

Action—Top lever; non-breakable coil springs; case hardened frame, with safety.

Barrels—Blued steel; proof tested with an extremely heavy load, can be furnished in cylinder modified or full choke bored.

Stock—Walnut, nicely finished, half pistol grip, checkered; rubber butt plate; length 14 inches; drop 2⅜ inches at heel.

	Each
No. 12LNS—12 gauge; 28 or 30 in. barrel; wt each about 7½ lbs.	$76 50
No. 16LNS—16 gauge; 28 in. barrel; wt each about 6¾ lbs.	76 50
No. 20LNS—20 gauge; 28 in. barrel; wt each about 6¼ lbs.	76 50

One in cardboard box; ten in wood case.

FULTON

(Made by Hunter Arms Co.)

Breech Loading.

Fully guaranteed as to material and workmanship.

Barrels—High grade steel, blued finish, can furnish cylinder, modified or full choke bored.

Stock—Walnut, with half pistol grip, checkered and well finished; fore-end finely checkered.

Weights—12 gauge, 7 to 7½ lbs.; 16 gauge 7 lbs.; 20 gauge 6 to 6½ lbs.

Without Automatic Ejector.	Each
No. 112F—12 gauge, 26, 28, 30 and 32 in. barrels	$94 50
No. 116F—16 gauge, 26, 28 or 30 in. barrels	94 50
No. 120F—20 gauge, 26 or 28 in. barrels	94 50

One in cardboard box; ten in wood case.

SHOT GUNS

DOUBLE BARREL, HAMMERLESS

THE FULTON SPECIAL

(Made by Hunter Arms Co.)

Breech Loading.

Fills the demand for a medium priced gun in every detail. Fully guaranteed as to material and workmanship.

Barrels—High grade steel, blued finish, can be furnish cylinder, modified or full choke bored.

Stock—Walnut, with full pistol grip checkered and well finished; fore-end finely checkered.

Weights—12 gauge, 7 to 7½ lbs.

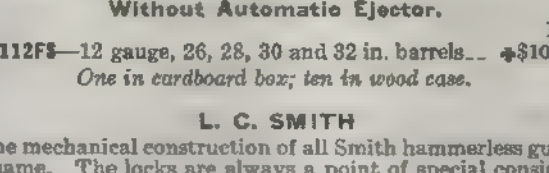
Without Automatic Ejector.	Each
No. 112FS—12 gauge, 26, 28, 30 and 32 in. barrels	✦$108 00

One in cardboard box; ten in wood case.

L. C. SMITH

The mechanical construction of all Smith hammerless guns is the same. The locks are always a point of special consideration. Great care is taken in their production; in all grades they are of the highest standard that the best of material, improved machinery and skilled mechanics can produce. Simplicity of construction and strength are the two leading characteristics of the locks on all Smith guns. Each grade has a design and finish peculiar to itself.

Standard lengths of stocks 14 to 14½ inches; standard drops 2½ to 3½ inches, but can furnish any length and drop of stock as desired from factory, without additional charge.



Field Grade, Breech Loading.

Especially designed for those requiring a cheap, sound and plainly finished gun.

Barrels—Armor steel, blued. Can furnish cylinder, modified or full choke bored.

Grip—Full pistol regular, half or straight to order.

Stock—English walnut, with pistol grip, checkered and well finished; fore-end nicely checkered.

Weights—12 gauge, 7 to 7¾ lbs.; 16 gauge, 6¼ to 7 lbs.; 20 gauge, 5¾ to 6½ lbs.

Without Automatic Ejector.	Each
No. 00S-12—12 gauge, 26, 28, 30 or 32 in. barrels	$133 05
No. 00S-16—16 gauge, 26, 28 or 30 in. barrels	133 05
No. 00S-20—20 gauge, 26 or 28 in. barrels	133 05

With Automatic Ejector.	Each
No. 00SE-12—12 gauge, 26, 28, 30 or 32 in. barrels	✦ $166 50
No. 00SE-16—16 gauge, 26, 28 or 30 in. barrels	✦ 166 50
No. 00SE-20—20 gauge, 26 or 28 in. barrels	✦ 166 50

One in cardboard box, ten in wood case.

	Each
Above guns without Automatic ejector fitted with Hunter one trigger	✦$197 67
Above guns with automatic ejector and Hunter, one trigger	✦ 229 35

✦F. O. B. New York Factory Only.

SHOT GUNS

DOUBLE BARREL,

AMERICAN GUN CO.

Breech Loading.

An American made gun, of the best material and workmanship; all parts interchangeable; case hardened frame; low circular hammer; rebounding locks.

Barrels—High grade armor steel, finely blued, matted extension rib. Can furnish cylinder, modified or full choke bored.

Stock—Checkered pistol grip and fore-end; rubber butt plate.

With Plain Extractor.	Each
No. 144-410—.44 caliber and 410 gauge, 26 ins. barrels; shoots 44 W. C. F. short cartridges, or 44 XL cartridges; wt 4¾ lbs.	$63 00

One in cardboard box; ten in wood case.

—ESSEX— HAMMERLESS

Breech Loading, with Automatic Safety.

Every part is drop forged, highly polished and case hardened.

The cocking mechanism is simple and strong and the cocking operation requires no more exertion than is used to open an ordinary hammer gun, and they may be closed with the hammer cocked or otherwise, if desired.

Frame and action parts drop forged from best refined steel; locked by heavy round barrel lug-bolt and cross-bit on extension rib, which makes it impossible to shoot loose.

Barrels—Genuine armor blued steel, matted extension rib. Can furnish cylinder, modified or full choke bored.

Stock—Nicely finished, with full capped pistol grip, neatly checkered; Deeley and edge fore-end neatly checkered; fancy rubber butt plate.

Weights—12 gauge, 7¼ to 8 lbs.; 16 gauge, 7 to 7¼ lbs.; 20 gauge, 6¼ to 6¾ lbs.

With Plain Extractor.	Each
No. 0112E—12 gauge, 26, 28, 30 or 32 in. barrels.	$66 00
No. 0116E—16 gauge, 26, 28, 30 or 32 in. barrels.	66 00
No. 0120E—20 gauge, 26 or 28 in. barrels	66 00
No. 0410E—410 gauge, 26 in. barrel only	72 00

One in cardboard box; ten in wood case.

SHOT GUNS

DOUBLE BARREL, HAMMERLESS

STEVENS'

Breech Loading.

Action—Hammerless; top lever and bolt in one piece; coil springs.

Frame—Case hardened, beautifully polished.

Barrel—Blued; high-pressure compressed steel; tested with nitro-powder. Matted rib. Can furnish cylinder, modified or full choke bored

Stock—Selected black walnut; checkered, full capped pistol grip; fore-end checkered; rubber butt plate; length 14 ins; drop 2¾ to 3 ins.

Weights 12 gauge 7½ to 7¾ lbs; 16 gauge, 7¼ to 7½ lbs; 20 gauge, 6¼ to 6¾ lbs.

	Each
No. 330-12—12 gauge, 26, 28, 30 or 32 in. barrels	$72 00
No. 330-16—16 gauge, 26, 28 or 30 in. barrels	72 00
No. 330-20—20 gauge, 26 or 28 in. barrels	72 00
No. 330-410—410 gauge, 26 in. barrel	75 90

One in cardboard box; ten in wood case.

STEVENS'

Breech Loading. Double-Barrel Hammerless.

A gun adapted to any standard make of shell, loaded with either black or smokeless powder.

Action—Anson and Deeley type. Top snap made extra wide and strong, new style compensating locking bolt through extension rib, check hook, spiral main springs, automatic safety, all parts drop forged.

Length of stock 14 inches; drop about 3 inches; not made special to order.

Barrels—Compressed forged, high pressure steel; matted extension rib. Can furnish cylinder, modified or full choke bored

Stock—Walnut, with pistol grip nicely checkered; patent snap fore-end, checkered; rubber butt plate.

Weight—20 gauge 6¼ to 6¾ lbs.

With Plain Extractor.	Each
No. 335-12—12 gauge, 26, 28, 30 or 32 in. barrels	✣$76 50
No. 335-16—16 gauge, 26, 28 or 30 in. barrels.	✣ 76 50

One in cardboard box; ten in wood case.

✣F. O. B. Massachusetts Factory Only.

Imported and American Made Hunting Knives

Imported Hunting Knives. Genuine deer foot handle, nickel ferrule, steel double guard extra large, finely polished steel blades, swaged back on both sides. Each in case with metal protected point. ½ dozen in box.

10C887. 5-in. blade, entire length 9¾ in. Doz. **10.50**

10C888. 6-in. blade, entire length 10½ in. Doz. **11.50**

Imported Hunting Knife. Extra strong, all-around knife, 4¾-inch blade, heavy gauge steel, perfectly tapered and ground to a keen edge, double swage point back, nickel silver guard and butt, bone stag handle. This knife is adapted for skinning, sticking, cleaning, etc. Complete with cowhide leather sheath. ½ dozen in box.

No. 10C806. Per dozen **12.00**

Imported Hunting Knife, 5-inch blade, heavy gauge steel, perfectly tapered and ground to a keen edge. Double swage back, nickel silver guard and butt, easy-grip rosewood handle. Complete with heavy cowhide leather sheath. ½ dozen in box.

No. 10C805. Per dozen **12.00**

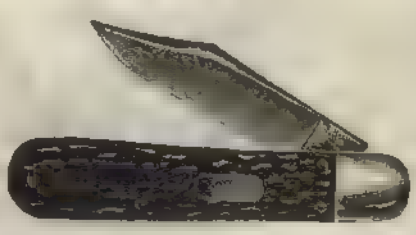
American Made High Grade Bowie Knives. The standard style hunting knife. High grade heavy gauge forged steel sabre blade, hand ground, long swage, heavy nickel silver guard, non-slipping bone stag handle. Complete with cowhide leather sheath ½ dozen in box.

No. 10C833. 5 in. blade. Per dozen..... **12.00**

No. 10C834. 6 in. blade. Per dozen..... **13.00**

American Made High Grade Hunting Knife. 4½ inch blade, extra heavy forged steel, perfectly tempered and ground to a very keen edge. Corrugated back, handle is formed of leather rings securely held by brass nut and alluminum butt. Complete with heavy leather sheath. ½ dozen in box.

No. 10C807. Per dozen **16.50**



"Flylock" Press Button Hunting Knife. American made. One large clip blade, highly polished on one side, stag handle, nickel silver bolster, steel lined To open blade press and draw button. Length closed 4¼ inches. ½ dozen in box.

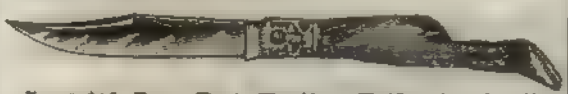
No. 10C838. Per dozen **13.00**

"Flylock" Press Button Hunting Knife. American made. One large clip blade, highly polished on one side, stag handle, nickel silver bolster, steel lined To open blade press and draw button. Length 5 inches. ½ dozen in box.

No. 10C839. Per dozen..... **12.50**

"The Victor" Press Button Hunting Knife. American made. 3¾ inch clip blade, full polished, stag handle, steel lined, nickel silver bolster and guard which automatically falls in place when blade is opened. Entire length 8½ inches. ½ dozen in box.

No. 10C837. Per dozen..... **16.50**



Imported Deer Foot Hunting Knife, 4-inch clip blade, full polished, fancy brass bolster, spring lock back, brass lined, deer foot handle, natural hair and polished hoof. Entire length 8½ inches. ½ dozen in box.

No. 10C835B. Per dozen..... **15.00**

Imported Deer Foot Handle Hunting Knife. Two blades, one 4 in., the other 2½ in., self-locking when opened. Pressing on small blade releases the spring and the large blade shuts; fancy brass bolsters, and brass lined. Genuine deer foot handle, fine polished corkscrew at back. Length 8½ inches. ½ dozen in box.

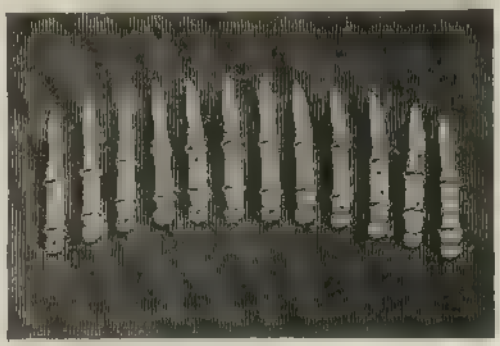
No. 10C803. Per dozen **13.00**

Novelty Miniature Watch Charms

"Dainty Charm and Favor" Miniature Scissors. Size 1¾ inches long, made of steel, brightly polished. A unique novelty that can be used as a watch charm or favor. 3 dozen on display card. (No less sold.)

No. 12C90. Per dozen ..... .75
Per gross 8.75

Midget Pocket Knives



Celluloid Handle Midget Pocket Knife. Size open 1⅞ in. Novelty watch charm. One spear blade brass lined, celluloid handle, assorted colors, Iris, Gilt and Ivory, polished bolster, ring for attaching chain. 1 dozen on display card.

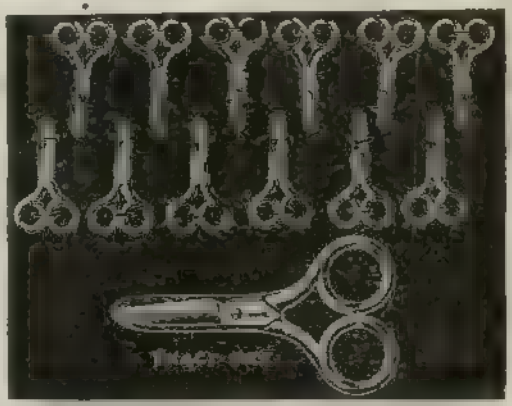
No. 10C280. Per dozen..... 1.50

Pearl Handle Miniature Pocket Knives

Pearl Handle Miniature Pocket Knife, size, open, 1⅞ inches. Novelty Watch Charm. One spear blade, brass lined, pearl handle, polished bolster, ring for attaching to chain. 1 dozen on display card.

No. 10C199. Per dozen..... 2.00

Miniature Charm Scissors



Miniature Scissors. Size 1½ inches. A most attractive novelty watch charm, an exact reproduction of pocket scissors. Made of steel, nickel plated blades, gold plated handles fitted with screw-head rivet. 1 dozen on card.

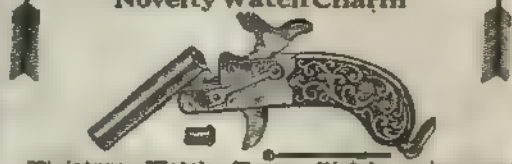
No. 12C88. Per doz..... 1.50

Miniature Razor Charms

Miniature Razors. Size Closed 1¼ inches. Latest novelty watch charm, a reproduction of a straight razor, fitted with Celluloid or Pearl handles, and ring for attaching to chain. **1 Dozen on Card.**

Celluloid Handles	Pearl Handles
No. 10C278.	**No. 10C279.**
Per dozen..... 1.50	Per dozen..... 2.00

Miniature Pistol
Novelty Watch Charm

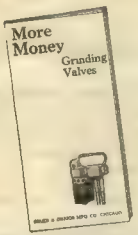


Miniature Watch Charm Pistols. An exact reproduction of a real pistol, illustration actual size. It uses miniature blank cartridges and shoots just like a regular pistol. High grade nickel plated frame, octagon barrel, fitted with fancy design **nickel plated** or **pearl handles.**

No. 3C221. With Fancy Design Nickel Plated Handles.	No. 3C222. With Pearl Handles.
Per doz..... 8.50	Per doz..... 14.50
Each..... .75	Each..... 1.25

Miniature Blank Cartridges.
25 in Box.

No. 3C223. Per dozen boxes..... 3.00



Now, you can make real money on valve-grinding jobs. FREE booklet tells how. Jackson tool (valve grinder and ¼" drill combined) really does both jobs right. Does work no other tool will do. Oscillates eighth-turn—can't throw grinding compound. Grinds valve in 8 to 10 seconds flat under Ford dash. Write for two free booklets—one tells about the tool, the other shows how to make more money. Address Dept. D

Mann & Briggs
Manufacturing Co.
Wabash Av. at 21st. CHICAGO

"Wherever a Shaft Turns"

Strom Ball Bearings are made in a wide range of types and sizes. They are standardized so they are interchangeable with other standard makes.

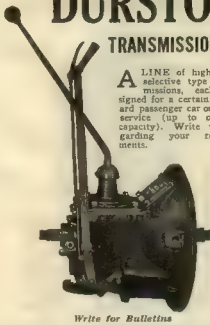
Wherever a shaft turns they will save power, increase efficiency, and add years of service to any automobile.

Write for catalog and information.

Strom BALL BEARINGS

STROM BALL BEARING MFG. CO.
Formerly U. S. Ball Bearing Mfg. Co.
4550 Palmer St., Chicago, Ill.

DURSTON
TRANSMISSIONS



A LINE of high-grade selective type transmissions, each designed for a certain standard passenger car or truck service (up to one-ton capacity). Write us regarding your requirements.

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DURSTON GEAR CORPORATION
21 Maltbie St. Syracuse, N. Y.

PATENTS PENDING TRADE MARK REG.

Husky
Common Sense Wrenches

No. 986 HUSKY STANDARD SET
—THE MOST COMPACT SET—
600 WORKING COMBINATIONS
Write Us Today for Full Information

HUSKY WRENCH COMPANY
938-16th Ave. Milwaukee, Wis.

REACHING PEAK SALES

Now is the time to hit these hard

ICE CREAM FREEZERS

Recipe Book With Each Freezer

"Arctica" "Peerless"

Screw Dasher, Automatic Scrapers—Wood tub, 2 hoops, heavy retinned can, galvanized cast iron over wood grip crank, improved packing device.

W2079 2 qt. 4 doz. in carton Doz **$18.00**

Vacuum Screw Dasher—Best grade Northern white pine tub (practically waterproof) with ice cream hoops that will not creep. Vacuum screw dasher and automatic wood scrapers, all gears covered, extra heavy tinned high narrow can. Each wrapped.

	Capacity	Wt	Each
W2060	2 qt	11 lbs.	$2.50
W2061	3 "	15 "	2.95
W2062	4 "	16 "	3.60
W2063	6 "	20 "	4.65

"AUTO VACUUM"

Freezes by Patented Vacuum Process

Heavy tin plate, white enamel finish, holds the salt and solution in one part and ice cream or sherbet mixtures in the other part—in half hour is ready to serve. 1 in crate.

Capacity	Wt	Each
W2056—2 qt	7 lbs	$4.00
W2058—3 "	10 "	5.35
W2060—4 "	13 "	6.70

ICE PICKS

Tempered and polished crucible steel blades, swaged needle points.

1H3340—5 in. blade, 4 in. polished handle, steel ferrule. 1 doz. in box .Doz **48c**

1H3350—6 in. blade, 5½ in. fancy mahogany handle, steel ferrule. 1 doz. in box Doz **87c**

1H3360—6 in. blade, 4½ in. handle, shellacked and nickeltanp finish steel ferrule. Assrtd. 1 doz. in box Doz **89c**

FRUIT JAR WRENCHES

1H3952—5½ in. special tinned spring wire, length over all 9 in. Assrtd. black, orange and red wood handles. 1 doz. in box. Doz **84c**

"COLD PACK" CANNING RACK

1H6208—12 gauge retinned spring wire, for 1 pt., 1 qt. or 2 qt. jars, especially adapted for preserving a small quantity of fruits or vegetables. 1 doz. in pkg. Doz **78c**

6 doz. or more Doz **75c**

GENUINE CUT THIN BLOWN TUMBLERS

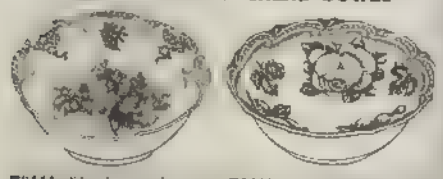
1C1584—9 oz. high grade thin blown tumblers with Monk shape assrtd. cut designs and floral cuttings. 12 doz. in case Doz **85c**

7 PIECE CRYSTAL BERRY SET

Colonial Panel Pattern

1C1638—7 in. extra deep bowl, 6 in. 4½ in. extra deep nappies, bright finished crystal, wide colonial panel pattern, plain edge pressed star bottom. ½ doz. sets in shipping carton 33 lbs. Doz sets **$4.35**

EUROPEAN CHINA SALAD BOWLS



R8144—8½ in. rich crape cluster with autumn foliage, gold floral scroll ornaments, gold clouded edge. ½ doz. in pkg. Doz **$3.85**

R2919—6 decorations 1 gold lined fruit and flower chaplets, contrasting two-tone luster and tinted finger. Assrtd. ½ doz. in pkg Doz **$5.75**

CAKE PLATES

R2754—3 decorations, 10½ in. [illegible] and berry sprays, 1 pink, one shaded [illegible] gold line, assrtd. 6 in pkg. Doz **$4.50**

LITHOGRAPHED OILER

Wide Mouth

T890—[illegible] in. wide mouth, fills Japanned clock spring style, 1 doz. in box Doz **95c**

HOUSEHOLD NAIL ASSORTMENT

In Paper Tin Box

One of the handy items that always sell and look at the price

1H3820—Assrtd. 1 to 2½ in. and from 10 to 15 gauge, 10 doz. in litho tin box. Assrtd. 3 doz. boxes in carton, 30 lbs. Doz **95c**

SEE OUR SCHOOL GOODS

"BALL" FRUIT JARS

Made on Owen machine which produces the most perfect jar known, evenly blown and tempered, uniform thickness, exceptionally strong, smooth edges.

1C1616-8 1C1617-21

"Mason" Jars

Porcelain lined metal cap, rubber ring. ½ gro. in partitioned shipping case

Cap	Wt Per Gro Lbs	Gro
1C1616—1 pt	144	$7.70
1C1617—1 qt.	200	8.85
1C1618—½ gal.	264	12.10

"Ideal" Jars

Lightning style, extra heavy all glass cap, rubber seal. ½ gro. in partitioned shipping case

Cap	Wt Per Gro Lbs	Gro
1C1619—1 pt	180	$ 9.25
1C1620—1 qt.	210	10.95
1C1621—½ gal.	300	15.10

"SHEFFIELD PLATE" DESIGN

2½ QT. PITCHER

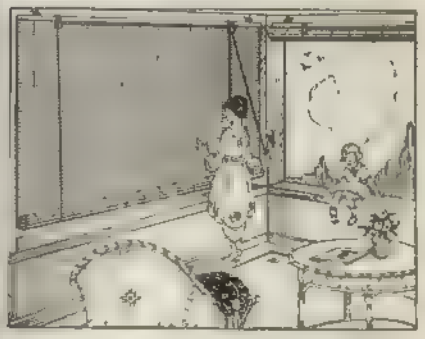
Aluminum

Something New!

T3139 Sheffield plate design [illegible] pt. heavy gauge aluminum, highly polished outside, sun-ray finish inside. Each plate trademarked. ½ doz. in carton Doz **$5.40**

PORCH SUN SHADES

Made in America Absolute protection from sun, wind and rain

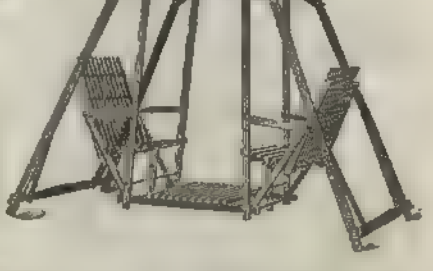


Thoroughly seasoned pine, stained an attractive green or brown, will not run or fade, with galvanized pulleys, white cotton ropes, hooks and screw eyes, ready and easy to install. 1 in pkg

GREEN	Each	BROWN	Each
W3200—4x7½	$2.50	W3210—4x7½	$2.50
W3201—5x7½	3.10	W3211—5x7½	3.10
W3202—6x7½	3.75	W3212—6x7½	3.75
W3203—8x7½	4.85	W3213—8x7½	4.85
W3204—10x7½	6.25	W3214—10x7½	6.25
W3205—6x5½	2.40	W3215—6x5½	2.75
W3206—8x5½	3.25	W3216—8x5½	3.85

IMPROVED LAWN SWINGS

Selected northern beech, full bolted (not nailed) construction. Swing hangers are knife edge malleable hooks swinging on round rods giving a smooth even motion, no squeaking. 2 coats of paint, 1 coat varnish. Shipped "ready to set up"



Bolted Not Nailed

W2297 "Idle Hour," 4 passenger [illegible] 8 ft. ground space, 8 ft. high, [illegible] heavy frame, 3 ft. 6½ in. [illegible] 2 in. hangers. Solid [illegible] with safety catch and center [illegible] [illegible] [illegible] [illegible] strongly braced and bolted throughout, [illegible] frame [illegible] Each **$8.00**

WOODENWARE

Every Item A SELLER—Every Price A CHALLENGE!

EXTRA DEEP ROCK MAPLE BOWLS

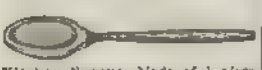
Parafined Parafined

Rock maple, uniformly good shapes, rounded edges, manufacturers standard sizes given, which may vary slightly in some cases.

W1000 [illegible] in. diam., [illegible] in case 30 lbs	Doz	$2.05
W1001 [illegible]	"	4.95
W1002 [illegible]	"	7.75
W1004 3 sizes, 1 doz. each 11, 13 and 15 in. nested, 3 in crate	Doz	$4.95
W1006 3 sizes, ½ doz. each of 15, 16 and 17 in. Asstd. 1½ doz. to crate, 45 lbs	Doz	8.25

KITCHEN SPECIALTIES

Wood Salad Set—10 [illegible] fork and spoon, assorted [illegible] pkg. W1044 [illegible] doz. sets in pkg. Doz sets **96c**

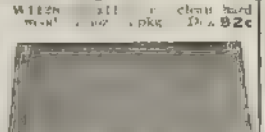


Kitchen Spoons—Made of 1 piece good quality birch, smoothed [illegible]
W1038—13 in. Doz **72c**
W1039—17 " " **$1.12**

Butter Ladle—13½ in., hard maple, oiled bowl, shaped handle W1041—1 doz. in box Doz **84c**

Potato Masher—11 in., 2 piece, bell shape W1043—1 doz. in case Doz. **$1.10**

Meat Carving Boards—W1128 [illegible] in., clean hard wood, [illegible] doz. in pkg. Doz **92c**

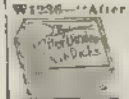


Pastry Boards—Selected basswood, sanded finish, end pieces fastened [illegible]
W1124 [illegible] **$9.50**
W1125 [illegible] 6.50
W1126 [illegible] 7.75

Bread Boards—8 in. diam., ⅝ in. thick, maple W1121—1 doz. in shipping carton, 20 lbs. Doz **$1.35**

TOOTHPICKS

W1230—"Gold Bond," flat double pointed, plain white, polished, 50 in box, 2 doz. boxes in carton. [illegible] Doz boxes **36c**



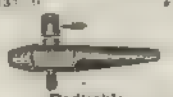
W1236—"After Dinner," [illegible] wheel cut, smooth, clean, birch, about 1,000 [illegible] Doz boxes **39c**

W1235—"Epicure," [illegible] birch, about [illegible] Doz boxes **42c**

WOOD FAUCETS

Cork Lined, [illegible] malt, maple, paraffined finish. 1 doz. in box.
W1136 [illegible] Doz **$.89**
W1137 [illegible] **.112**

Redtich's



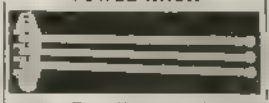
Warranted [illegible] beech, fully [illegible] with [illegible] rubber [illegible]
W1135 [illegible] Doz. **$1.85**
W1140 [illegible] **2.25**

"U. C." WOOD KEGS

[illegible] Kegs [illegible]

W1920 [illegible] gal., 4 steel hoops, wt. [illegible] lbs. Each **$1.40**
W1921 [illegible] gal., [illegible] hoops, wt. [illegible] lbs. Each **$1.65**
W1922 [illegible] gal., 6 steel hoops, wt. 18 lbs. Each **$2.20**
W1923—15 gal., 6 steel hoops, wt. [illegible] lbs. Each **$2.75**
W1924—20 gal., [illegible] wt. 30 lbs. Each **$3.25**

TOWEL RACK

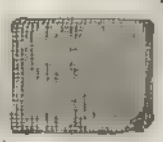


W1089—Three 12 in. arms, 1x1 in. hardwood back, white enameled arms will not soil. Ship. wt. 1½ lbs. **$1.08**

TOWEL ROLLER

W1163 [illegible] pine [illegible] roller, steel ends, 3 round back braces, 1 doz. in box Doz **$1.18**

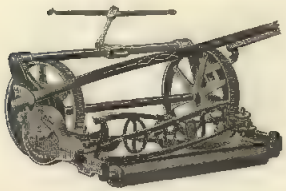
DISH CLOTHS



[illegible] cotton [illegible] [illegible] [illegible]

LAWN MOWERS

*PHILADELPHIA PONY MOWERS



Especially adapted for large lawns; is easily handled on a lawn having shrubs and flower beds. Has a train of three gears; cylinder can be thrown out of gear by a lever on the side.

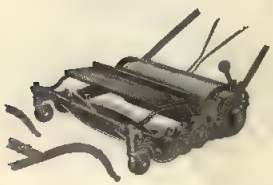
Blades are firmly riveted in place; cylinder shaft is 1 1/2 in. solid steel with 3 in bearings.

12 Inch Drive Wheels, 6 3/4 Inch Four Blade Reel

Width of cut, in.	25	30
Weight, lbs.	175	190
Philadelphia Pony—Each	**$.....**	**.....**

Note—No seat or shafts are included in price

*PHILADELPHIA HORSE MOWERS



A substantially built, light weight horse mower, which gives long, hard service. Has a train of gears operating on large, long bearings, cylinder can be thrown out of gear by a lever when in use for rolling only; blades are all double riveted to each malleable section; 1 7/8 in. solid steel cylinder shaft with long bearings

The machine is equipped with draft pole only. Seat, shafts, etc., are charged extra if ordered.

The 30 in. mower is furnished with either an open or solid cylinder; the 35 in. mower is only furnished with an open cylinder.

11 3/4 Inch Driving Rollers, 6 3/8 Inch Four Blade Reel

Width of cut, in.	30	35
Weight, lbs.	500	575
Philadelphia Horse—Each	**$.....**	**.....**
With Seat, Shaft and Side Draft Attachments—Each		**.....**

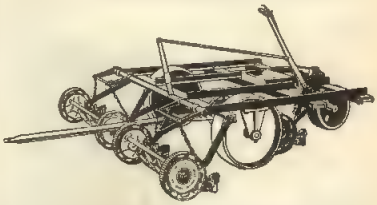
Note—When ordering 30 in., specify open or closed.

Pony and horse lawn mowers quoted on request.

*Not carried in stock, will ship from factory

LAWN MOWERS

*IDEAL THREE UNIT GANG MOWERS



For horse or tractor hitch; is compact, sturdy and long lived; is equipped with Ideal Bulldog cutting units which have been carefully designed and constructed to withstand the strains and speed incident to tractor drawn machines.

The mowers are regularly furnished for use with horses and later they may be converted to use with tractor. The illustration shows the tractor hitch.

The Ideal with its wide-faced wheels, roller casters, hinging frame and freely suspended units rides smoothly and evenly over level and rolling ground.

Width of cut, in.	84
Shipping weight, lbs	1365
Ideal Gang Mowers—Each	**$.....**

*MOTO-MOWERS CITY MODEL

Width of cut, 21 inches; cutting adjustment, 1/2 to 2 1/2 inches; cutting speed, 1/2 to 3 1/2 M.P.H.; cutting capacity, 2 1/2 to 3 acres per day, climbs 35% grade; gasoline consumption per day, about 1 gallon; weight (net), 185 pounds; weight (crated for shipment), 235 pounds; color, gray enamel.

Motor—Four cycle valve in head, air cooled; bore, 2 inches; stroke, 2 inches; horsepower, 1; speed, 600 to 2,000 R. P. M.; parts to lubricate, 4 places; control, throttle; ignition, magneto; carburetor, set jet.

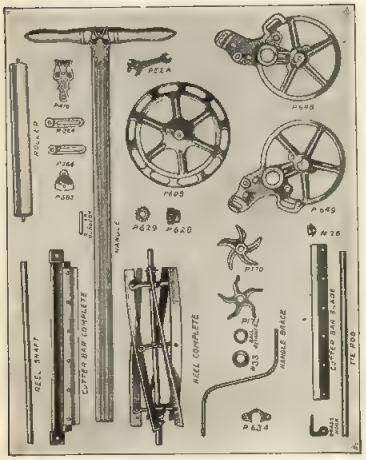
Mower—Blades, revolving, 5 crucible steel (tempered); blade, bottom, turned up edge (tempered); clutches, dry band type; control, one or both wheels can be engaged either together or separately; reel bearings, Timken roller; handle, wood, full braced; side frames, malleable iron; chains, diamond roller

City Model Moto-Mowers .....Each $.....

*Not carried in stock; will ship from factory.

LAWN MOWER PARTS

CRANBERRY

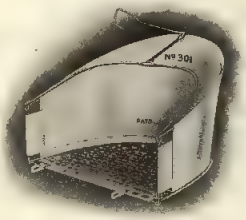


No.	Part		Each
P82A	—Wrench		$ ..
P608	—Wheel		3 50
P648	Casing R H		3 50
P640	—Casing L.H.		3 50
P383	—Pinion Cover		.25
P628	Ratchet Pinion R.H.		.55
P629	—Ratchet Pinion L.H.		.55
P364	—Roller Hanger R.H		25
P364L	—Roller Hanger L. H.		.25
P170	—End Spider		90
P171	—Center Spider		75
P655	—Cutter Bar Complete	14 in.	3 00
		16 in.	3.00
		18 in.	3.00
		20 in.	3 00
P634	—Wheel Clip		15
P416	—Handle Clamp		.45
	Reel Complete		11.00
	Reel Shaft		2.25
	Tie Rod		1.50
	Handle Braces, per pair		.90
	Roller		1.15
	Handle with Grip		4 50
	Handle Grip		1 50
	Gudgeon for Roller		.75
	Handle Clip		.45
P666	—Flat Pawl		.15
	Grass Catcher Hooks		.15
26	—Cones		.90
33	—Ball Cups		.90
46	—Ball Retainers with Balls		.75
12	—Springs for ball bearings		.15

Note—In ordering extra parts give the name of the machine, length of cut and the number that is on the part wanted. If ratchet pawls are wanted specify flat or round, as both have been used

GRASS CATCHERS

CRANBERRY



Non-skid bottom. Sixteen inches deep. Fine quality, extra heavy white duck; heavy galvanized wire frame; adjustable steel hooks; will fit any mower made, and always in position to receive catcher; also equipped with the Perfection handle and non-skid bottom, which prevents the grass from slipping forward. Shipping weight per dozen 50 pounds.

No. 301—For 12 to 16 inch mowers....Per dozen **$30 00**
No. 306—For 16 to 20 inch mowers....Per dozen **33 00**

CHEROKEE

Non-skid or plain bottom. Thirteen inches deep. Fine quality white canvas; heavy galvanized iron bottom; heavy galvanized wire frame; adjustable steel hooks; will fit any mower made and always in position to receive catcher; equipped with the Perfection handle, and and furnished with non skid or plain bottom. Shipping weight per dozen 40 pounds.

No. 151—For 12 to 16 inch mowers ..Per dozen **$24.75**
No. 156—For 16 to 20 inch mowers ...Per dozen **27 75**

TURF EDGERS

Polished steel blade 9 inches long; solid shank; bronzed ferrule; 4 foot handle

No. 40—Weight per dozen 80 lbs. .....Each **$1.25**

One dozen in a bundle, blades burlapped.

IMPORTED DOLL PARTS

a big business can be built up in repairing dolls, and at a profit, too.

No doll department is complete without a well assorted stock of these parts in demand all the year 'round and

BISQUE SOCKET HEADS

Fine bisque heads without wigs; with moving eyes and natural eye lashes.

Open Crown

MOVING EYES WITH EYE

No.	Height of Doll	Each
A445	13 inches	.40
A446	14 inches	.45
A447	16 inches	.50
A448	18 inches	.60
A449	19 inches	.70
A450	20 inches	.85
A452	22 inches	1.00
A453	23 inches	1.05
A454	25 inches	1 20
A455	26 inches	1 35
A456	28 inches	1.50
A457	29 inches	1.90
A458	30 inches	2.25
A459	32 inches	2.35
A460	33 inches	3.00
A462	37 inches	3.75

CHARACTER SOCKET HEADS

Fine quality bisque, socket character heads, with mohair wigs and moving eyes

MOHAIR WIG, MOVING EYES

No.	Height of Doll	Each
A477(2 0)	12 inches	.50
A478(0)	13 inches	.55
A479(1)	14 inches	.60
A480(2)	16 inches	.70
A481(3)	18 inches	.80
A482(4)	19 inches	.90
A483(5)	20 inches	1.00
A484(6)	22 inches	1.15
A485(7)	23 inches	1.25
A486(8)	25 inches	1.45
A487(9)	26 inches	1.55
A488(10)	28 inches	1.65
A489(11)	29 inches	1.85
A490(12)	30 inches	2.10
A491(13)	32 inches	2.40
A492(14)	33 inches	2.80
A493(15)	37 inches	3.50

COMPOSITION SHOULDER HEADS

MOVING EYES, PASTED WIG

Extra fine quality composition; flesh tinted; pasted wig; moving eyes.

No.	Size Bust	Height	Doz.
A373	3x1¼	3½	1.75
A374	4x2½	5	3.95

COMPOSITION "MAMA" SHOULDER HEADS

EMBOSSED HAIR PAINTED EYES

MAT FINISH

Shoulder head nicely modeled; embossed hair painted features; natural flesh tint

No.	Size Bust	Height	Doz.
A396	3¼x3¼	5½	2.15
A397	3½x3¾	6½	4 25
A398	3¾x3¾	7¼	5 50
A399	4½x4½	8	7 20

MOHAIR WIG, MOVING EYES

No.	Size Bust	Height	Doz.
A402	2¼x3½	5½	12.00
A403	3 x3¾	6½	15.00
A404	3½x4¼	8	19 80

EMBOSSED HAIR, PAINTED EYES, GLAZED FINISH

No.	Size Bust	Height	Doz.
A406	2½x3½	5	3.60
A407	2½x3¾	5½	4.10
A408	3 x3	6	4.65
A409	3¼x3½	7	6.60
A410	3½x4	7½	7.50
A411	4 x4½	8	8.50

MOHAIR WIG

No.	Size Bust	Height	Doz.
A413	2 x2½	5½	6.25
A414	2½x2¾	5½	7.25
A415	2½x3	6	8.00
A416	3½x3½	7	11.40
A417	3½x4	7½	13.50
A418	4 x4½	8	16.80

COMPOSITION "MAMA" SHOULDER HEADS

OPEN CROWN WITH CAP MOVING EYES

Fine quality composition shoulder heads, flesh tint, moving eyes, painted features; mat finish.

No.	Size Bust	Height	Each
A421	2 x2½	4¾	.80
A422	2¼x3	6	.85

WITH EYELASHES

No.	Size Bust	Height	Each
A423	3½x3¼	6½	.90
A424	3 x3½	7	1 10
A425	3½x4	7¼	1.25
A426	3¾x4½	8½	1 55

MOHAIR WIG, MOVING EYES

No.	Size Bust	Height	Each
A428	2 x2½	5¼	1.05
A429	2½x2¾	5¾	1 15
A430	2¾x3	6¼	1 25

WITH EYELASHES

No.	Size Bust	Height	Each
A431	3½x3¼	7¾	1 60
A432	3¾x4	8	1 75
A433	4 x4¼	9	2.05

BABY DOLL HEADS

Papier mache; natural flesh tint; painted eyes and lips, embossed hair

	High	Dozen
A436	4 inches	3 25
A437	4¼ inches	5 40
A438	4½ inches	8.40

WITH MOVING EYES

	High	Each
A440	4 inches	1 10
A441	4½ inches	1.35

BISQUE SHOULDER HEADS

MOVING EYES, PASTED WIG

Fine features, flesh tinted, natural glass eyes, exposed teeth, assorted color pasted wigs

No.	Size Bust	Height	Doz.
A556	3 x3	4	3 60
A557	2¼x3½	4¼	4 95
A558	2¾x4	5½	6.50

BISQUE SHOULDER HEADS

1st Quality Bisque

MOVING EYES WITH LASHES

Extra fine sewed wig, natural curl ringlets

Finely modeled features, bisque; moving eyes with eye lashes; open mouth showing teeth; sewed, side parted, curl wig, ribbon bows

No.	Size Bust	Height	Each
A531	2½x1½	4	.65
A533	2¾x3	4	75
A534	3 x2¼	4½	85
A536	3½x2¼	4½	93
A537	3½x2⅝	4⅝	1.10
A538	3¾x2½	5	1 20
A540	4 x2⅝	5¼	1 35
A542	4½x3	6	1 50
A543	5 x3¼	6½	1 80

EXTRA FINE BISQUE SHOULDER HEADS

MOVING EYES WITH LASHES LONG CURLS, SEWED WIG

Extra fine quality bisque; moving eyes, with lashes, open mouth showing teeth; parted, long curl wig; ribbon bow

No.	Size Bust	Height	Each
A546	2½x1¾	4	.65
A547	3¼x2¼	4½	.70

CHINA DOLL HEADS

SHOULDER HEAD; EMBOSSED HAIR

White glazed China; painted embossed hair, painted and tinted features

No.	Size Bust	Height	Doz.
A289	2 x1⅛	2¾	.85
A291	2½x1½	3¼	1 10
A292	2 x1¾	3½	1 25
A293	3¼x2	4	1.70
A294	2 x2¼	4½	2.20

METAL DOLL HEADS

EMBOSSED HAIR, PAINTED EYES

Made of sheet steel, special washable enamel coated which will not crack or chip; flexible bust permitting adjustment to shape of doll body; ½ doz in box

No.	Size Bust	Height	Doz.
A322	2¼x1½	3	1.85
A323	2½x1¾	3¼	1 95
A324	3 x2	3½	2 30
A325	3¼x2¼	4	2.65
A326	3½x2⅝	4½	3.30
A327	3¾x2½	4¾	4 00

METAL DOLL HEADS

GLUED WIG, MOVING EYES

Made of sheet steel, special washable enamel coated which will not chip or crack; flexible bust permitting adjustment to shape of doll body

No.	Size Bust	Height	Each
A341	3½x1¾	3¾	.55
A342	3½x2¼	5	70

SIDE PARTED SEWED WIG MOVING EYES

No.	Size Bust	Height	Each
A336	3 x1¾	4	75
A337	3¼x2¼	4½	.80
A338	3½x2½	5	1.15
A339	4 x2½	5½	1.30

CELLULOID DOLL HEADS

Natural tint; open crown, socket head; painted eyes; open mouth

No.	Height of Doll	Each
A384	18 inches	.45
A385	20 inches	.80

DOLL HANDS

OPEN FINGERS

Special composition, finely modeled, glaze finish.

No.	For Size Doll	Doz. Pair
A43	15 inches	1.65
A44	15½ inches	1.80
A45	18 inches	1 95
A46	19 inches	2.10
A47	20 inches	2.20
A48	22 inches	2.25
A49	23 inches	2.40
A50	24 inches	2.75
A51	25 inches	2 80
A52	26 inches	3.00
A53	27 inches	3.25
A54	28 inches	3.50
A55	29 inches	3.60
		Pair
A56	30 inches	.40
A57	32 inches	.45
A58	34 inches	.50

DOLL EYES WITH LASHES

FIRST QUALITY

Sizes given are from outside to outside across top; well made, good lashes, weighted.

No.	Width	Doz.
A21-(2-0)	1⅜	2.00
A22-(0)	1½	.2.25
A23 (1)	1¾	2 50
A24 (2)	1⅞	2 75
A25-(3)	2	3.00
A26-(4)	2¼	3.25
A27-(5)	2½	3 90
A28-(6)	2¾	4.50
A29-(7)	2⅞	5 85
A30-(8)	3⅛	6 00
A 31(9)	3½	6 75

COMPLETE DOLL ARMS

GLAZED, JOINTED

Complete with hand, for jointed dolls; sizes given are for length of dolls fitted.

No.	Length Doll	Pair
A61	15½ in.	50
A62	17 in	55
A63	18 in.	.60
A64	19½ in.	65
A65	20¾ in.	.70
A66	21¾ in.	.75
A67	22¾ in	.80
A68	24½ inches	.85
A69	25½ inches	.90
A70	26¾ inches	1 00
A71	27½ inches	1 10
A72	29 inches	1 25
A73	30 inches	1 45
A74	32 inches	1 75
A75	34 inches	2 00

COMPLETE DOLL LEGS

GLAZED, JOINTED

Complete for jointed dolls; sizes given are for length of dolls fitted

No.	Length Doll	Pair
A121	15½ in.	.50
A122	17 in	55
A123	18 in.	60
A124	19½ in	65
A125	20¾ in	70
A126	21¾ in	75
A129	25½ in	85
A130	26¾ in	90
A131	27½ in.	1 05

"MAMA" DOLL ARMS

Flesh tinted composition well shaped.

No.	Length	Doz. Pair
A81	2¾ inches	1.15
A82	3⅝ inches	.2.25
A83	4¼ inches	2.50
A84	7 inches	8 50

"MAMA" DOLL LIMBS

Composition; flesh tinted, natural shape; sizes given are for length of bodies they fit.

No.	Length	Doz. Pair
A86	5½ inches	4.50
A87	7 inches	5.00
A88	8½ inches	8.50

DOLL BODIES

GLAZED

For jointed dolls, sizes given are for length of doll fitted

No.	Lgth. Doll	Each
A181	15½ in.	.18
A182	17 in.	.20
A183	18 in	.22
A184	19½ in	.25
A185	20¾ in.	.30
A186	21¾ in	.35
A187	22¾ in	.40
A188	24½ inches	.45
A189	25½ inches	.60
A190	26¾ inches	75
A191	27½ inches	.80
A192	29 inches	.85

DOLL ELASTIC

For repairing dolls, 12 yds. to piece

	Piece
A653—Diam. 1/16 inch	.40
A654—Diam. 3/32 inch	.75
A655—Diam. ⅛ inch	.85
A656—Diam. 5/32 inch	.90
A657—Diam. 3/16 inch	1.00
A658—Diam. 7/16 inch	1 10
A659—Diam. ¼ inch	1.75
A660—Diam. 5/16 inch	2.25

FINE HUMAN HAIR DOLL WIGS

Long single curls side part

The following numbers of doll wigs will fit heads of dolls of circumferences as given:

No.	Circumference of Head	Each
A571	8 inches	.50
A572	9 inches	.55
A573	10 inches	.68
A574	11 inches	.80
A575	12 inches	.93
A576	13 inches	1.05
A577	14 inches	1 15
A578	15 inches	1.30
A579	16 inches	1.50
A580	17 inches	1.80
A581	18 inches	2.10

SUPERFINE HUMAN HAIR DOLL WIGS

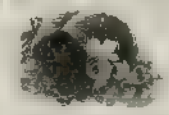
Long single curls side part

The following numbers of doll wigs will fit heads of dolls of circumference as given:

No.	Circumference of Head	Each
A586	8 inches	.82
A587	9 inches	.95
A588	10 inches	1.10
A589	11 inches	1 20
A590	12 inches	1 45
A591	13 inches	1 70
A592	14 inches	1.90
A593	15 inches	2 15
A594	16 inches	2.35
A595	17 inches	2 85
A596	18 inches	3.25
A597	19 inches	3 75
A598	20 inches	4.00

Sales on doll parts are good all the year around; good profits in the line.

FIRST QUALITY RINGLET HUMAN HAIR WIGS

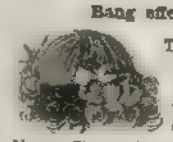


The following numbers of doll wigs will fit heads of dolls of circumference as given.

No.	Circumference of Head	Each
A645	9 inches	.65
A646	10 inches	70
A647	12 inches	90
A648	13 inches	1 05
A649	14 inches	1 30
A650	15 inches	1 65
A651	16 inches	1 95
A652	17 inches	2 20

FINE MOHAIR RINGLET CURLED DOLL WIGS

Bang effect; sewed



The following numbers of doll wigs fit heads of dolls circumference as given:

No.	Circumference of Head	Each
A601	8 inches	.45
A602	9 inches	.50
A603	10 inches	.60
A604	11 inches	70
A605	12 inches	.85
A606	13 inches	.90
A607	14 inches	1.00
A608	15 inches	1.20
A609	16 inches	1.40
A610	17 inches	1 60
A611	18 inches	1.80

CLOTH DOLL BODIES

PINK HAIR STUFFED

Made of good quality pink cloth, well sewed and over whipped, kid fore arm; shoulder, hip and knee jointed; assorted color stockings; patent leatherette shoes.

A195—Length	9 ins.	Doz.	2.00
A200—Length	10 ins.	Doz.	3 00
A202—Length	11 ins.	Doz.	3.50

KIDLIN DOLL BODIES

White Kidlin, well stuffed body; bisque forearms and limbs; riveted shoulder, elbow, hip and knee joints; removable stockings and slippers.

A210—Length	11	ins. Doz.	4.20
A212—Length	12½	ins. Doz.	5.60
A214—Length	14	ins. Each.	.70
A216—Length	17	ins. Each	85
A218—Length	18½	ins. Each.	1.00

KID DOLL BODIES

Genuine white kid body; bisque arms and limbs; shoulder, elbow, wrist ball jointed; riveted hip and knee joints; barefooted.

			Each
T233—Length	12	ins.	1.00
A234—Length	14	ins.	1.25
A235—Length	15½	ins.	1.75
A236—Length	18	ins.	2.25
A237—Length	20	ins.	3.00

EXTRA FINE MOHAIR CHARACTER DOLL WIGS

The following numbers of doll wigs fit heads of dolls circumference as given:

No.	Circumference of Head	Doz.
A619	6 inches	2.45
A620	7 inches	2.75
A621	8 inches	3.10
A622	9 inches	3.50
A623	10 inches	4.00
A624	11 inches	4.60
A625	12 inches	5.25
		Each
A626	13 inches	.65
A627	14 inches	.70
A628	15 inches	.75
A629	16 inches	.80
A630	17 inches	.85

EXTRA FINE HUMAN HAIR BABY BOB WIGS

SEWED

The following numbers of doll wigs fit heads of dolls, circumference as given:

No.	Circumference of Head	Each
A631	8 inches	.45
A632	9 inches	.55
A633	10 inches	.70
A634	11 inches	.85
A635	12 inches	.95
A636	13 inches	1.05
A637	14 inches	1 20
A638	15 inches	1.40
A639	16 inches	1.55
A640	17 inches	1.70
A641	18 inches	1.80

IMITATION KID DOLL ARMS

NOT JOINTED, BISQUE HANDS

Imitation kid, straight arms, bisque hands; lengths as given.

	Doz. Pr
A241—Length 4 ins.	2.25
A243—Length 5 ins.	2.85
A244—Length 8 ins.	3.25
A245—Length 8½ ins.	3.75
A246—Length 9 ins.	4.00
A247—Length 9½ ins.	4.65

IMITATION KID DOLL ARMS

JOINTED; COMPOSITION FOREARMS AND HANDS

White imitation kid, well sewed; composition forearms and hands; riveted elbow joint.

	Doz. Pr
A253—Length 4½ ins.	1.85
A254—Length 5½ ins.	2.60
A255—Length 6 ins.	2.90
A257—Length 7 ins.	3.90
A258—Length 8 ins.	4.60
A259—Length 9 ins.	5.25

DOLLS! DOLLS!! DOLLS!!!

ASSORTMENT NO. 1

Comprises 24 pieces **Imported Dressed Dolls**, with bisque heads, moving eyes, mohair wigs, shoulder and hip jointed, fine assorted costumes, slippers and stockings; to retail 6 pieces for 25c, 6 pieces for 50c, 3 pieces for $1 00, 3 pieces for $1.25, 2 pieces for $1.50, 2 pieces for $1.98, 1 piece for $2.50 and 1 piece for $3.00. Each in box

Total retail value 23 71
Cost you 15 00
Your profit 58%

15.00

ASSORTMENT NO. 2

Comprises 20 pieces **Domestic Crying Baby and Mama Dolls**, with indestructible heads, composition limbs, nicely dressed, with slippers and stockings; to retail 10 pieces for $1.00, 2 pieces for $1.25, 2 pieces for $1.50, 3 pieces for $1.98, 1 piece for $2 25, 1 piece for $2.75, and 1 piece for $3.89. Each in box.

Total retail value 30.33
Cost you 20.00
Your profit 50%

20.00

ASSORTMENT NO. 3

Comprises 18 pieces **Imported Full Jointed Dolls**, with bisque turning heads, mohair wigs, sleeping eyes, some with eyelashes, lace trim chemise, removable slippers and stockings; to retail 6 pieces for 50c, 3 pieces for $1.00, 2 pieces for $1.50, 2 pieces for $2.00, 1 piece for $2.89, 1 piece for $2.98, 1 piece for $3 75, 1 piece for $4.00, and 1 piece for $4.50 Each in box.

Total retail valu 31.12
Cost you 20 00
Your profit 58%

20.00

CAN'T BE DUPLICATED VALUES

ACROBATIC AND CLAPPING DOLLS

JUMPING JACKS

T1769—Turned wood head and body acrobat with jointed arms and legs; nicely stained in bright colors; mounted on double bar; by pressing bars together acrobat performs; length 9¼ ins.; 1 dozen in box. Dozen ..... .87

CLAPPING DOLLS

T1771—Composition head clown; painted features; crepe tissue costume; when pressed, plays cymbals; height 7½ ins.; 2 dozen in box

Dozen ..... .42

ACROBATIC DOLL
With Voice

T1766—Dressed, composition head, jointed clown, with voice, on wire bar, with handle; performs many good acrobatic stunts; length over all 11 ins.; 1 dozen in package. Dozen ..... .83

CLAPPING DOLLS
With voice

T1773 — Composition head clown; red and green flannel costume; wood legs and feet; when pressed, plays cymbals; height 14 ins.; 1 dozen in box Dozen 4.25

Voice, moving jaw

T1775 — Composition head clown; finely modeled and painted, flannel costume; shaped wood legs; good voice; when pressed, opens mouth and plays cymbals; length 15½ ins.; ½ dozen in box.
Dozen 8.00

GOOD XMAS SELLERS

SURPRISE BOXES

No Holiday Line is complete without these regular sellers.

T2381 — Assorted 3 kinds; composition heads, crepe tissue costumes; fancy paper covered wood box 2½ x 2½ x 3⅝ ins.; 1 dozen in carton
Dozen ..... .45

T2382—Assorted three kinds; comic composition heads; color crepe tissue costumes; nicely painted; in fancy paper covered box, 3x3x3¼ ins.; 1 dozen in package Dozen 79

T2383—Assorted comic figures, clowns, etc.; composition heads; nicely painted features; crepe tissue costumes; fancy paper covered box 3⅝x3⅝x3½ ins. 1 dozen in box. Dozen 89

T2384—Assorted six kinds; comic and doll heads; nicely modeled composition heads; bright painted features; crepe paper costumes; loud voice; fancy paper and picture covered box 4x4 x4¼ ins., 1 dozen in box.
Dozen 2.00

ROLLY POLLYS

Popular comic subjects that appeal to all small children.

T2576—Nicely modeled composition figures, bright color enameled; painted features; height 3¾ ins.; 1 dozen in box. Dozen .45

T2580 — Assorted composition rolly pollys; enameled in bright attractive colors, height 4 ins.; 1 dozen in box. Dozen .....OUT

T2581 — Assorted 4 kinds, clown, Foxy Grand Pa, Policeman and Hooligan, stationary heads; papier mache, nicely modeled and finished; height 6½ ins.; ½ dozen in box.
Dozen 2.10

WITH CHIME

T2582 — Clown; finished in bright color enamels, white, yellow, blue and brown; natural tinted face and hands; with chime; height 10 ins.; ½ dozen in box.
Dozen .. 4.25

ANDY GUMP
The popular comic strip character

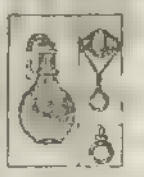
T2585 — Andy Gump; a good reproduction of this popular comic character; nicely painted in colors, real linen collar, turning socket head, height 9½ ins.; 1/6 dozen in box. Dozen..8.00

MISCELLANEOUS DOLL ACCESSORIES

NURSING SETS

T2117—Clear glass nursing bottle, red rubber nipple; length 2 inches; 1 gross in partitioned carton
Gross 1.00

T2120 — Graduated glass nursing bottles, with red rubber nipple; length 2½ ins.; each in carton
Dozen 38



T2123—Three piece set; 2½ in. nursing bottle with rubber tube and glass mouth piece, red rubber nipple, and bell rattle; in box 2⅝x3½ ins., 1 dozen in pkge.
Dozen . 72

BATH TUB BABY

T2105—3¼ in. blue enameled bath tub with china doll; each in carton; 1 dozen in package
Dozen ..... .42

DOLLY'S RADIO

T1085—Miniature radio, with dials, tube and head phones; 2½ in. jointed celluloid doll listening in; each set in box. Dozen .. .85

HIGH CHAIR
NATURAL FINISH

T7282—Natural finish varnished; seat 4¼x 5¾ ins.; 20¾ in. high; 1 dozen in carton. Dozen.....4.50

Our rubber dolls are beautifully modeled of fine white rubber.

BATH TUBS

T2106—Enameled, gilt trim; with spigot and bucket; 4 ins. long, 4 ins. high; 1 dozen in box.
Dozen .95

T2107—Same, with shelf; 5¼ ins. long, 5¼ ins. high; ½ dozen in box. Dozen 2.15

T2109—Same as T2107, with bisque baby; 7¾ ins. long, 6¾ ins. high; one in box. Dozen 4.25

T2110—Same as T2109, with bisque baby; 10¾ ins. long, 9½ ins high; one in box. Dozen 8.00

WASH STANDS

T2102 — White enameled, all metal, with mirror, wash bowl and china pitcher; size 2x3¼x 5½ in. high; 1 dozen in box.
Dozen . ..2.00

T2103—Same, size 3½x3⅝x7¼ in. high; 1 dozen in box. Doz....2.25

T2104—Same size 3¾x4⅜x9½ in high. Dozen 4.25

DOLL BUGGIES

T2510—Blue enameled, all metal; gray wheels; collapsible hood; 1¼ in. wide, 4 in. long, including pusher; 1 dozen in box. Dozen .. .85

T2507½ — Imitation reed body, white enameled, 2¼ in. wheels, gilt finished wire pusher; fancy trim cloth folding hood; size 2¾x5½x6½ in high; ½ dozen in box
Dozen 2.00

T2508½—Same, larger, size 2¾x7 x8 ins. high; ½ dozen in box.
Dozen 4.00

RUBBER DOLLS

T4279 — White rubber; 3 styles; nicely embossed; tinted features; with whistle; height 3¼ ins.; 1 dozen in box.
Dozen .... .45

T4280 Two styles, white rubber; nicely made and color decorated; height 4½ ins.; with whistle; 1 dozen in box.
Dozen ..... .88

T4282—Flesh tinted painted features; yellow bobbed hair; with whistle; height 6½ ins.; 1 dozen in box.
Dozen .. . 2.00

T4281—Two styles; extra finely modeled and finished; white rubber; decorated in bright colors; with whistle; height 7 ins.; ½ dozen in box.
Dozen 2.25

ASSORTED RUBBER TOYS

T4266—Assorted 4 kinds, rabbit, cat and doll; nicely modeled of white rubber, with whistle; height 4 ins.; 1 dozen in box. Dozen OUT

IMPORTED DRESSED DOLLS

This is unquestionably the finest line of dressed dolls ever brought into this market; all well made, with exceptional good features and wigs, and beautifully dressed; every number is an extra good value.

SEMI-JOINTED DRESSED DOLLS

SHOULDER AND HIP JOINTED; PAPIER MACHE BODIES; TURNING BISQUE HEADS; SLEEPING EYES; MOHAIR WIGS

GT462—Papier mache body; jointed composition arms and limbs; bisque head, open mouth showing teeth; sleeping eyes; curly wig; assorted fancy costumes; straw hat; length 8 ins.; 1 in box.
Dozen 2.00

GT472 — Papier mache body; bisque head; composition arms and limbs jointed; full flowing curl wig; sleeping eyes; assorted 3 styles; fancy lawn pleated and ruffled costumes; straw hats to match; stockings and slippers; each in carton, 3 styles assorted in box, height 13 ins.
Dozen 8.75

GT466 — Papier mache body; composition jointed arms and limbs, bisque head, open mouth showing teeth; sleeping eyes; curly wig; shoulder and hip jointed; assorted lawn dresses; lace trim; straw hats; slippers and stockings, height 11 ins.; 1 in box. Doz. 4.20

GT475 — Papier mache body; bisque turning head, sleeping eyes, open mouth; parted mohair curly wig; composition hands; shoulder and hip jointed; straight limbs; assorted floral lawn costumes, bonnets to match, lace trim, with large collar; undergarments, stockings and slippers; height 15½ ins.; each in box. Dozen 9.00

GT468 — Bisque head, moving eyes, mohair wig, papier mache body, composition arms and hands; pleated cloth costume, with large yoke, insertion trim; straw hat; removable slippers; length 12½ ins.; 1 in box.
Dozen 4.50

GT474 — Bisque head, sleeping eyes, mohair wig, composition arms and hands, papier mache body; fancy lawn costume, large lace trim collar; straw hat to match; underments; slippers and stockings, length 16 ins., 1 in box.
Dozen 9.50

GT478 — Papier mache body, composition arms, bisque head, curly wig, sleeping eyes, fancy costume, lace trim; straw hat; undergarments; slippers and stockings; length 14½ ins.; one in box.
Dozen . 7.50

GT496 — Papier mache body; composition, jointed arms and limbs; fine bisque head; curly mohair wig; sleeping eyes; open mouth; attractive cloth dress with large lace trim collar; straw hat to match; underwear, slippers and stockings; height 18 ins.; each in box. Each 1.50

GT470 — Papier mache body, composition arms and limbs; shoulder and hip jointed; bisque head, open mouth, sleeping eyes, full curly wig; with collar; hat to match; stockings and slippers; length 13½ ins.; 1 in box.
Dozen ... 8.75

"MAMA" DOLLS

The most attractive numbers in the market; natural flesh tint, chubby bodies and limbs, strong baby like voice.

FULL JOINTED DRESSED DOLLS

Shoulder, Elbow, Hip and Knee Jointed; Composition Bodies, Arms and Limbs; Turning Bisque Heads; Sleeping Eyes; Mohair Wigs

GT526—Composition body, arms and limbs, full jointed; bisque head, sleeping eyes, mohair wig; assorted costumes; straw hats; underwear, stocking and slippers; in lace trim box; height 12¼ ins. Doz. ..7.50

GT528 — Full jointed, composition body, arms and limbs; turning bisque head; open mouth; sleeping eyes; extra fine long curl mohair wig; fancy figured lawn dresses with lace and ruffle trim collars; fine straw hats to match; underwear, slippers and socks; height 14 ins.; each in lace trim box.
Dozen 9.50

GT527—Composition body, arms and limbs; shoulder, elbow, hip and knee jointed; turning bisque head, sleeping eyes, open mouth; ringlet curl wig; assorted silkolene costumes with lace and edging trimmed bonnets to match; shoulder straps; lace trim undergarments; removable socks and slippers; height 13 ins.; in lace trim box.
Dozen 9.00

GT530—Composition body, arms and limbs, full jointed; bisque turning head, sleeping eyes, mohair wig; assorted lawn and cloth dresses, with lace trim collars, coats, etc.; straw hats to match; underwear, socks and slippers; height 14¾ ins.; each in lace trim box.
Dozen . . 12.00

IMPORTED FULL JOINTED DRESSED DOLLS WITH NATURAL EYE LASHES

COMPOSITION FULL JOINTED SHOULDER, ELBOW, HIP AND KNEE; MOHAIR WIGS, MOVING EYES WITH EYE LASHES

GT531—Composition body, arms and limbs, full jointed; bisque head, turning, mohair wig, sleeping eyes, with eye lashes; fancy figured lawn and percale costumes, lace and braid trimmed, with picture straw hats to match; underwear, socks and slippers; height 15 ins.; each in box. Dozen 18.00

GT557 — Full composition body; full jointed, shoulder, elbow, knee turning bisque head, extra fine flowing curl, mohair wig, moving eyes, natural eye lashes; figured lawn skirt, lawn waist; straw cloth hat to match, floral lace trim under garments, socks and tied slippers; height 19 ins.; in lace trim box. Each 2.50

GT604 — Full composition body; bisque turning head; sleeping eyes with eye lashes; long full curl wig; shoulder, elbow, hip and knee jointed; pleated white lawn dress; Flannel coat muff and hat to match; lace trim under garments; slippers and stocking; in lace trim box; height 18 ins. Each 1.70

GT579 — Extra fine turning bisque head; parted mohair wig; sleeping eyes with natural eye lashes; exposed teeth, full jointed; silkolene costume, lace and braid trim; undergarments, stockings, shoes; height 22 ins.; in lace trim box.
Each 4.00

CHARACTER DOLLS

EMBOSSED HAIR
STATIONARY PAINTED EYES COMPOSITION ARMS AND HANDS

T1493 — Composition head, painted features; shoulders, jointed composition arms and hands; soft stuffed body; colored cloth slip; lace trim length 11 ins.; 1 dozen in box.
Dozen 2.15

T1490—Assorted 4 styles girl dolls; finely modeled composition unbreakable turning head; composition arms and hands, painted features, pink cloth stuffed body; assorted fancy costumes; removable stockings; height 13 ins.; ½ dozen in box. Dozen 4.50

T1498 — Assorted boy and girl dolls composition heads and hands painted features, well stuffed bodies; pink stockings; black shoes, assorted dresses and rompers; height 13½ ins., ½ doz. assorted in box. Dozen 4.00

T1503— Assorted boy and girl dolls; turning composition heads, embossed hair, stationary painted eyes; composition hands; well stuffed bodies; hip and shoulder jointed; assorted costumes; white stockings and black shoes; height 18 ins.; ½ dozen in box assorted. Dozen 8.00

NEGRO CHARACTER DOLLS
A REAL SOUTHERN PICKINNY

T1402—Full composition; mat finished; finely modeled throughout; painted eyes and mouth; shoulder and hip joint; with diaper; height 8¼ inches; each in box.
Dozen 4.00

IMPORTED CLOTH BODY DOLLS

EMBOSSED HAIR, COMPO HEAD
STATIONARY PAINTED EYES

Pink cloth body, hair stuffed; shoulder, hip and knee jointed; composition head, embossed hair, painted features; composition hands, with slippers; 1 dozen in box.

Doz.
GT104—Length 15 ins. 4.00

EMBOSSED HAIR, METAL HEAD
STATIONARY PAINTED EYES

Pink cloth body, hair stuffed; nicely shaped and well made; shoulder, metal head, embossed hair, painted eyes; shaped wood arms; shoulder and hip jointed; removable slippers and stockings; 1 dozen in box.

Doz.
GT118—Length 14½ ins. 6.00

MOHAIR WIG, BISQUE HEAD
SLEEPING EYES

Pink cloth body, hair stuffed; shoulder, hip and knee jointed bisque head, sleeping eyes; fine features; parted mohair wig, ribbon bow; composition arms, removable slippers and stockings.

GT142—Length 14¼ ins., ½ dozen in box Dozen . 6.00
GT143—Length 17 ins.; ½ dozen in box Dozen 7.50
GT144—Length 18¼ ins.; ½ dozen in box Dozen 8.75

Bear in mind we are headquarters for the world's finest dolls, domestic and imported.

FINE IMPORTED BISQUE HEAD "MAMA" DOLLS
BISQUE HEAD, MOHAIR WIG, MOVING EYES, EYE LASHES

Bisque turning head, full composition body; mohair wig; moving eyes with natural eyelashes; open mouth showing teeth and tongue; shoulder, elbow, wrist, hip and knee jointed; lace trim slip; extra good voice; each in box.

	Each
GT436—Height 19½ ins. . . .	2.00
GT438—Height 23 ins.	2.75
GT440—Height 25 ins.	3.25
GT442—Height 27½ ins. . . .	4.00

Finest quality composition, bisque finished; extra well modeled; natural expression; turning head; bobbed natural hair wigs; moving eyes with eyelashes; "mama" voice jointed shoulder and hip; lace trim chemise; each in box.

	Each
GT422—Height 13¾ ins. . .	2.25
GT424—Height 15 ins. . .	3.00
GT425—Height 16½ ins . .	3.50
GT426—Height 18 ins . .	3.75
GT428—Height 19½ ins . .	4.50

EXTRAORDINARY VALUES

IMPORTED DRESSED "MAMA" DOLLS

Something new; extra good quality voice; dresses with hooks and eyes, for dressing and undressing.

Composition body, arms and limbs; fine turning bisque head; shoulder, elbow, hip and knee jointed; side parted curly wig; sleeping eyes; open mouth; extra fine natural "mama" voice; modish dresses fitted with hooks and eyes so child can dress and undress; lace trim; bonnets to match; bloomers and undergarments; removable shoes and socks; each in lace trim box.

	Each
GT593—Height 16½ ins.	2.25
GT595—Height 17½ ins	2.75
GT597—Height 19 ins.	3.50
GT598—Height 20 ins.	4.25
GT600—Height 22 ins.	6.00

NOVELTY DOLLS

MOHAIR WIG DOLLS

GT700—Flesh tint full composition; painted features, jointed arms, natural hair wig, figured costume; standing; length 5 ins.; 1 dozen in box.
Dozen . . . . OUT
GT701—Same as GT700, larger; length 6½ ins.; 1 dozen in box.
Dozen 1.25

GT457— Three styles bisque head, full composition; shoulder and hip jointed, moving eyes, mohair wig turning head, fancy costumes ribbon and bow trims, undergarments, height 7 ins., in lace trim boxes. Dozen 4.00

HULA DANCER

GT703—Full composition standing doll, painted features, jointed arms, natural hair, with gold bandeau and maribou skirt; height 6¼ ins.; ½ dozen in box Dozen . . . . OUT

COW GIRL

T1832—Turning bisque head stationary glass eyes; full composition; hair wigs, shoulder and hip jointed; regulation cowgirl costume; height 9 ins.; ½ dozen in box.
Dozen 4.00

INDIAN MAID

T1834—Full composition body; turning bisque head; glass eyes; long hair wig; shoulder and hip jointed; fringed Indian costume; feather headdress; height 9 ins.; ½ dozen in box.
Dozen 4.00

ESKIMO DOLL

T1784—Soft stuffed doll; jointed shoulder and hips; flannel mitts and shoes; celluloid face; full fur esquimo costume; height 11 ins.; ½ dozen in box
Dozen 4.00

FULL COMPOSITION DOLLS

Bisque head, mohair wig, moving eyes with eye lashes.

Finely modeled, full composition, bisque head, mohair wig, moving eyes with eye lashes, shoulder and hip jointed; white lawn slip, ribbon tied; each in box

	Dozen
GT412—Height 11¾ ins. . . .	8.50
GT413—Height 14¼ ins . . .	12.00

POPULAR PRICED WATCHES

Famous "Despatch" Watch

Established in a class by itself by virtue of remarkable SALES, which are based on high grade timekeeping ability at a popular price.

14 size, open face, polished nickel plated case, hand carved effect bezel and back, moon hands, antique crown and bow, beveled crystal. Guaranteed high grade American movement. 1 in box.

J7300—White dial, Each **95c**
12 or more, Each **92c**
50 or more, Each **87c**

J7302—Radium dial. Each **$1.75**

"UNCLE SAM" WATCH

J9653—"Uncle Sam," 14 size, nickel finish, open face, stem wind, unbreakable crystal, polished case, with raised bezel, fancy engine turned back, screw case attachment, guaranteed 1 year. 1 in box.
Each **82c**
Lots of 36 Each **80c**

"TIP TOP" WATCHES

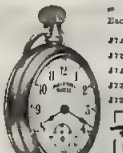
16 size, nickel finish, plain polished back and bezel, octagon shape, antique pendant, cubist numerals and skeleton hands.

J7255—White dial. Each **$1.15**
J7256—Black dial, radium hands and numerals. Each **$1.80**

"INGERSOLL" WATCHES

Open face, nickel finish or solid nickel case. Each in individual box.

	Each
J7253—"Yankee," 16 size	$1.17
J7253—"Yankee," radiolite, 16 size	1.83
J7254 "Junior," 12 size	2.33
J7288 "Midget," 0 size	2.33
J7251 "Eclipse" radiolite, 16 size	2.66

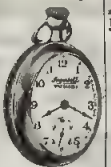


J7252
Famous Yankee
Each $1.17

J7288—Radiolite wrist watch, 6 size, black dial, radium figure leather strap with bow. Each **$3.00**

J7254—"Waterbury," 12 size, solid nickel case, fitted with "Waterbury" jewel balance movement. Each **$3.67**

J7285—"Reliance," 12 size, solid nickel case, with ingersoll Reliance 7 jewel bridge model movement. Guaranteed. Each **$5.00**



"INGERSOLL" ASSORTMENT

With Display Fixture

Included FREE with each assortment is the above metal fixture that shows and sells the goods.

J7250—Each watch in box. Assortment complete with 10x10 in metal display stand. Assorted 18 watches as follows:

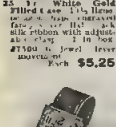
		Cost	Retail
8	only Yankee	$1.17	$1.75
1	" Yankee Radiolite	1.83	2.75
1	" Eclipse	2.66	3.90
1	" Junior	2.33	3.50
1	" Midget Radiolite	4.83	6.25
1	" Waterbury	3.67	5.50
1	" Waterbury Radiolite	4.83	6.50
2	" Reliance	5.00	7.50

Retail $55.25
Your Profit 18.41
Assortment 18 Watches $36.84

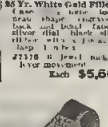
WRIST WATCHES

WOMEN'S GOLD WRIST WATCHES

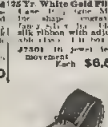
Imported High Grade Movements



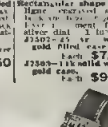
25 yr. White Gold Filled case, 5½ ligne size, engraved fancy case, fine silk ribbon with adjustable clasp. 1 in box.
J7304 6 jewel lever movement
Each **$5.25**



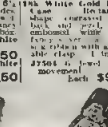
25 Yr. White Gold Filled case, 5½ ligne size, engraved fancy shape, engraved back and bezel, fancy silver dial, black silk ribbon with adjustable clasp. 1 in box.
J7316 6 jewel lever movement
Each **$5.50**



25 Yr. White Gold Filled case, 5½ ligne size, fancy shape, engraved fancy case, fine silk ribbon with adjustable clasp. 1 in box.
J7301 10 jewel lever movement
Each **$6.50**

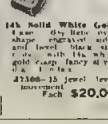


Rectangular shape 6½ ligne size, engraved fancy case, fancy silver dial. 1 in box.
J7302—6 jewel white gold filled case.
Each **$7.50**
J7303—14k solid white gold case.
Each **$9.50**

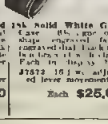


18k White Gold Filled case, fine rectangular shape, engraved back and bezel, fancy, enamelled white cord, fancy engraved clasp, silk ribbon with adjustable clasp. 1 in box.
J7301 6 jewel lever movement
Each **$9.25**

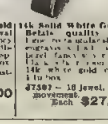
14k Solid White Gold—Reliable quality, 6½ ligne, rectangular shape, engraved sides and bezel, black silk ribbon with 14k white gold clasp, fancy silver gray fancy silver dial. 1 in box.
J7305—25 jewel lever movement
Each **$17.50**



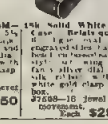
14k Solid White Gold Case, 6½ ligne oval shape engraved sides and bezel, black silk ribbon with 14k white gold clasp, fancy silver dial. 1 in box.
J7306—15 jewel lever movement
Each **$20.00**



14k Solid White Gold Case, 6½ ligne oval shape engraved fancy engraved dial, black silk ribbon with 14k white gold clasp. Each in individual box.
J7312 15 jewel adjusted lever movement
Each **$25.00**



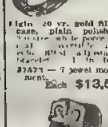
14k Solid White Gold—Reliable quality, 5½ ligne oval shape, engraved sides and bezel, fancy silver dial, black silk ribbon with 14k white gold clasp. 1 in box.
J7307—18 jewel, lever movement
Each **$27.50**



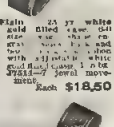
18k Solid White Gold Case, Reliable quality, 6 ligne oval shape, engraved sides and bezel, fancy engraved white gold dial, black silk ribbon with 18k white gold clasp. 1 in box.
J7308—16 jewel lever movement
Each **$29.50**

WOMEN'S ELGIN BRACELET WATCHES

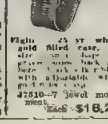
In Fancy Gift Boxes



Elgin 20 yr. gold filled case, plain polished, 5½ ligne size, engraved, 25 year gold adjustable bracelet. 1 in box.
J7471 — 7 jewel movement
Each **$13.50**



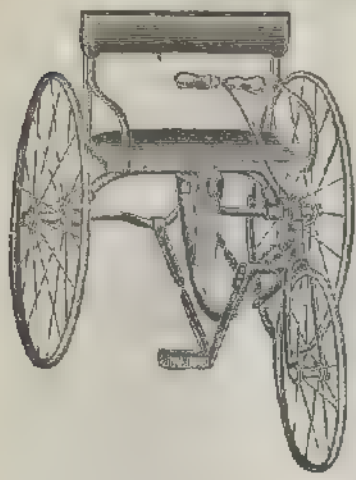
Plain 25 yr white gold filled case. 6½ ligne size, fancy engraved back and bezel, fancy dial with adjustable white gold filled clasp. 1 in box.
J7314—7 jewel lever movement
Each **$18.50**



Elgin 25 yr white gold filled case. 6½ ligne size, engraved sides, plain polished back and bezel, fancy silver dial with adjustable white gold filled clasp. 1 in box.
J7310—7 jewel movement
Each **$18.25**

Elgin — 14k solid white gold case, 6½ ligne size, engraved back and bezel, fancy silver dial with white gold clasp. 1 in box.
J7315—7 jewel movement
Each **$25.00**

TRICYCLES



—BLUE RIBBON—

Black enameled steel frame; adjustable seat, upholstered in velour; wheels red enameled galvanized; handle is enameled black and fitted with black enameled brass ferruled grips.

Height front wheel, ins 10
Height rear wheels, ins 18
For girls, years 3 to 5

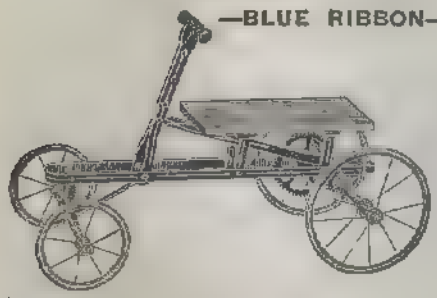
Each

No. 18½—With ½ in. rubber tires $24 00

One in wood case; wt each 40 lbs.

CHILDREN'S HAND CARS

—BLUE RIBBON—



Steel frame; wood seat. Wheels black enameled; black enameled wood grip; seat-board finished in vermilion; frame, running gear and lever black enameled finish.

Each

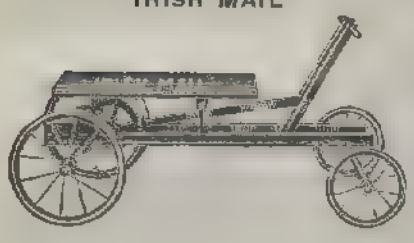
No. BR0—Junior Size. Length over all 25½ ins; seat-board 7x12 ins; wheels 8 and 10 ins; ⅝ in. rubber tires; wt each 24 lbs $11 25

No. BR1—Junior Size. Length over all 28 ins; seat-board x12 ins; wheels 8 and 10 ins; ½ in. rubber tires; wt each 25 lbs 13 50

No. BR2—Large Size. Length over all 36 ins; seat-board 9x16 ins; wheels 8 and 12 ins, ½ in. rubber tires; wt each 30 lbs 15 00

One in crate, K. D.

IRISH MAIL



Woodwork is of hickory, finished in green and scarlet, neatly stenciled; running gears are painted black; steel axles; best vulcanized rubber tires.

Length 41 inches; width 20 inches; height to seat 13 inches; seat 9x20 inches; wheels 8 and 12 inches; ½ inch rubber tires.

Each

No. 2—Machine turned bearings; wt each 33 lbs $17 25

No. 188—Ball-bearings; wt each 45 lbs 25 50

One in carton, K. D.

CHILDREN'S HAND CARS

JOY RIDER

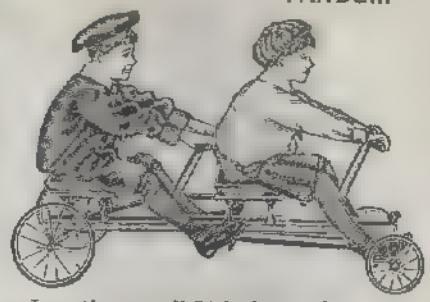
Hardwood, frame finished in green; neatly stenciled. Running gears are painted black; steel axles; best vulcanized rubber tires. Length over all 40 inches; width 18 inches; height to seat 13 inches; seat 7½x18 inches; wheels 8 and 12 inches; ½ inch rubber tires.

Each

No. 12—Wt each 29 lbs $14 25

One in carton, K. D.

TANDEM



Hardwood frame; finished in red, neatly striped; seats green with gold decoration.

Steel gears; cog drive; brass bearings on rear drive shaft; strong tangent spoke; wheels finished in pea green. All gearing enameled black.

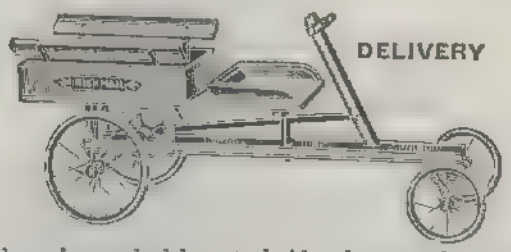
Length over all 56 inches; width 20 inches; height to seat 14 inches; size seats 10x12 inches; wheels 8 and 12 inches; ⅝ inch rubber tires.

Each

No. 16—Wt each 45 lbs $27 00

One in crate, K. D.

DELIVERY



Hickory frame; bed has steel sides; heavy axles; steel gear, cog drive; brass bearing drive shaft; strong tangent spoke wheels; front axle adjustable backward or forward to suit children 4 to 12 years of age; geared three to one. Frame, lever, seat and bed finished in gloss yellow, striped and decorated. Gears black and wheels red enameled.

Each

No. 9—Length 42 ins; seat 10x12 ins; bed 11x19 ins; size wheels front 8 ins; rear 12 ins; ½ in. rubber tires $24 75

One in crate, K. D.; wt 55 lbs.

COASTERS

GO-BOY

Rubber Tires.

Steel frame; hardwood platform and handle; corrugated rubber pad on platform. Double disc steel wheels. Frame and wheels are finished in red enamel; platform yellow enameled.

Each

No. 10 Height over all 32 ins; diam wheels 8¼ ins; size platform 11½x21½ ins $22 50

One in wood box, K. D.; wt each 26 lbs.

VELOCIPEDES

THE STANDARD

Wrought iron frame, black enameled; wheels, cranks and pedals, red enameled; adjustable handle bar with black enameled wood grips; adjustable oak tanned leather seat; ½ inch rubber tires.

	Rubber Tires.			
Nos.	30RT	31RT	32RT	33RT
Height front wheel, ins	14	16	20	24
Height rear wheels, ins	10	12	14	16
Width tire front, in	½	½	½	½
Width tire rear, in	⅜	⅜	⅜	⅜
Wt per doz, lbs	129	142	180	228
Each	$9 45	9 90	11 25	12 75

(Crates will not be broken).

Three in crate, K. D.

VELOCIPEDE ASSORTMENTS

Per Ass't

No. 35RT—Ass't consists of one each Nos. 30RT, 31RT and 32RT velocipedes $30 60

Black enameled frame; wheels, cranks and pedals red enameled; slide adjustment handle bars, with natural wood grips; adjustable fibre saddle.

	Steel Tire.				Rubber Tire.			
Nos.	0E	1E	2E	3E	0ERT	1ERT	2ERT	3ERT
Ht front wh'l, ins	14	16	20	24	14	16	20	24
Ht rear wh'ls, ins	10	12	14	16	10	12	14	16
Wt doz, lbs	123	135	171	225	164	180	228	288
Each	$6 00	6 60	7 95	9 00	7 50	8 40	9 45	10 80

(Crates will not be broken).

Three in crate, K. D.

VELOCIPEDE ASSORTMENTS

Per Ass't

No. 12E—Ass't consists of one each Nos. 0E, 1E and 2E velocipedes $20 55

Per Ass't

No. 15ERT—Ass't consists of one each Nos. 0ERT, 1ERT and 2ERT velocipedes $25 35

BABY BIKES

For little children under three years; plain bearing; 1 inch cushion rubber tires; nickel plated spokes, nipples and hubs; nickel plated adjustable handle bars; rubber grips; rubber pedals with leather seat; one piece fork. The construction is such that a little child can climb onto it without danger of upsetting and handle it with the greatest comfort.

No.	BB0
Diam front wheel, ins	12
Diam rear wheels, ins	8
Shipping wt each, lbs	23
Each	$22 50

One in wood case, K. D.

VELOCIPEDES

LITTLE TOT

Wrought iron frame, black enameled; wheels, cranks and pedals red enameled; stationary handle bars; adjustable fibre saddle; black enameled wood grips. Equipped with ½ inch rubber tire on front wheel and ⅝ inch rubber tires on rear wheels.

(Crates will not be broken).

Each

No. 29 -Height front wheel 10 ins; height rear wheels 8 ins $7 20

Three in crate; wt each 12 lbs.

TRICYCLES

—BLUE GRASS—

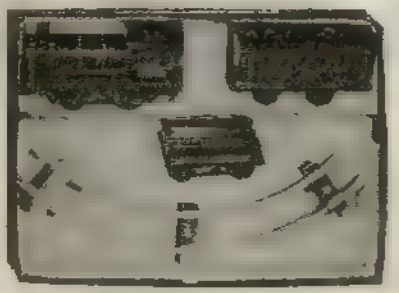
Tubular Ball-Bearing.

Frame made of 18 gauge seamless steel tubing. Wheels made up with bicycle spokes and fitted with 1 inch cushion rubber tires. Handle fitted with leather wrapped grips. Rear axle of ⅝ inch cold drawn steel; seat adjustable for height by a thumb screw adjustment. Seat, back rest and arm rests upholstered in maroon leatherette. All metal parts nickel plated except frame and wheel rims finished in rich maroon color, striped in silver.

No.	BG5
Height front wheel, ins	12
Height rear wheels, ins	24
For girls, years	4 to 7
Shipping wt each, lbs	60
Each	$48 00

One in wood case, K. D.

Imported Mechanical Trains



Low Priced Mechanical Train, consists of a 4⅞-inch engine with clock work motor. Tender 2¾ inches, and nicely lithographed. Coach 4 inches. Comes complete with four pieces of track. Each set packed in partitioned box, as illustrated with colored picture of outfit on cover.

No. 39N80. Per dozen..... 4.00

Here is a big value for the money. It consists of an engine 4⅞ inches with clock work motor. Tender 2¾ in. and two highly lithographed cars each 4 inches long. Complete with 3 semaphores, lithographed station and four tracks. Each set in partitioned box with colored illustration on cover.

No. 39N81.

Per dozen ..... Out

American Flyer Mechanical Trains

"Mfrs. No. 74." Steel engine, 6½ inches, tender, 3½ inches, cars, 4⅜ inches. 4 pieces of curved track, 2 pieces straight. Length of track 50 inches. Length of train 104½ inches. Each set complete in box.

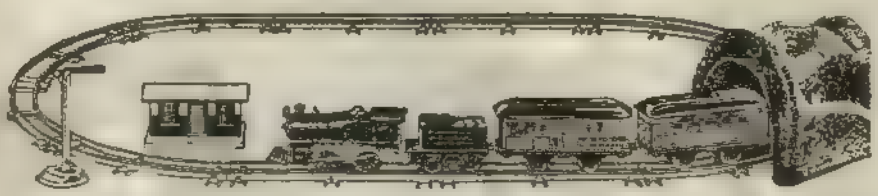
No. 39N120. Per dozen.....10.40

"Mfrs. No. 2." Engine 4½ inches. Tender 4 inches. Cars 5½ inches. Baggage car has sliding doors. Eight pieces curved, two pieces straight track. Length of track 103 inches. Length of train 41½ inches. Each set complete in box.

No. 39N121. Per set..... 1.70

"Mfrs. No. 13." Train consists of locomotive No. 13 equipped with piston rod and brakes, length 7 inches. Tender 4 inches. Cars 5½ inches. Baggage car has sliding doors. Ten pieces curved two pieces straight track, two switches form oval and circle. Length of track 160 inches. Length of train 25 inches. Train can be switched from large oval to small oval by opening or closing both switches. Each set complete in box.

No. 39N122. Per set..... 3.65



"Mfrs. No. 19." Train consists of No. 13 Engine 7 inches. Tender 4 inches. Cars 6½ inches. Tunnel 9½ inches. Station 6 inches, semaphore, twelve pieces track. Length of track 156 inches. Length of train 26½ inches. Each set complete in box.

No. 39N123 Per set..... 3.35

Iron Automobiles, Trucks and Tractor

FORD COUPE

Ford Coupe, finished in glossy black enamel, white tires. An exact reproduction of the real Ford that you see on the street. A very popular item, made in two sizes.

No. 39N79. 5 inches long, 3 inches high. Per dozen..... 1.96

No. 39N96. 6½ inches long, 4 inches high. Each in carton. Per dozen..... 3.92

FORDOR SEDAN

Fordor Sedan, the latest addition to the Ford family, black enameled, striped with gold, tires are white enamel. Large size. Has removable iron driver that is not shown in illustration. Made in two sizes.

No. 39N85. 5 inches long, 2 inches high. Per dozen..... 1.96

No. 39N93. 6½ inches long, 4 inches high. Per dozen..... 3.92

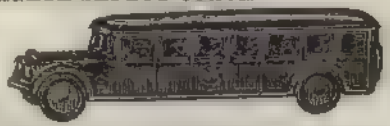
YELLOW CAB

Was 8.00. Now 6.00. Is the exact reproduction of the famous yellow cab. Made of cast steel throughout. Cab is enameled in bright yellow and black with white tires. Each in box. 1 dozen in case.

No. 39N50. Small, 5⅛x3x2 inches. Dozen..... 3.50

No. 39N87. Large, 7⅜x4¼x3¼ inches. Dozen..... 6.00

PAGEOL SAFETY COACH

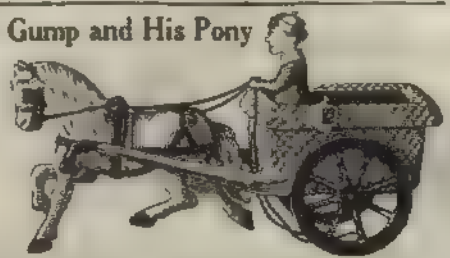


Pageol Safety Coach, made in two sizes. An attractive reproduction of the popular motor busses that are revolutionizing passenger travel in this country. Comes in three colors: bright blue, bright red and ivory. All are gold striped and have gray tires.

No. 39N103. 8 inches long, 2¾ inches high. Per dozen..... 3.92

No. 39N102. 12 inches long, 3 inches high. Per dozen..... 11.50 Each..... 1.00

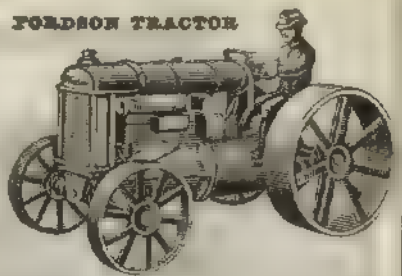
Chester Gump and His Pony



Iron Toy. Length 7¼ inches, height 4⅛ inches. Perfect representation. To pull along floor. Each in box.

No. 39N4. Per dozen..... 6.50

FORDSON TRACTOR



Fordson Tractor, the famous toy model of Fordson tractor. The front wheels and axles are mounted on a swivel that permits the tractor to follow an uneven path easily. Lugs on the rear wheels, removable iron driver. Neatly painted, a delight for a real American child. Wheels bright red body gray with gold trimming. Length 6 inches, height 4¼ inches, width 3¼ inches. Each in box.

No. 39N88. Per dozen..... 3.92

RED TRUCK

Red Truck. The miniature of the well known International Harvester Truck. Finished in bright red with white enameled tires, crank and ratchet, nickel plated. Length 10¾ inches, height 4⅛ inches; width 3½ inches. Each in paper carton.

No. 39N52. Per dozen..... 12.00

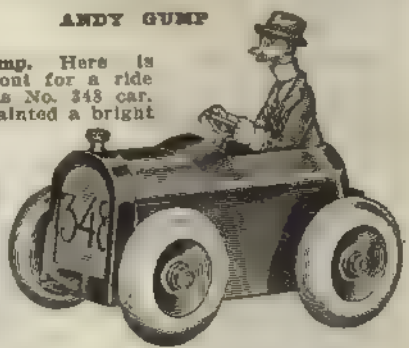
MACK TRUCK

Mack Truck. Just like the real ones—made of cast iron with steel frame. Dump body is raised by hoist, rear end-gates open when unlocked. Comes in the following solid colors, light blue, gray and olive green, gold trimmed, white tires. Size 12x5⅝x4 Each in carton

No. 39N53. Per dozen..... 20.00

Each..... 1.75

ANDY GUMP

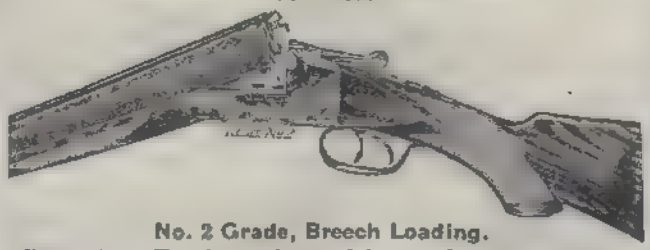


Andy Gump. Here is Andy going out for a ride in his famous No. 348 car. The car is painted a bright red, nickel trimmed Andy and wheels are full nickel plated. Length 7¼ all over; wheel base 4⅞ inches, height 6 in., width 4 in. Each in paper carton

No. 39N59. Per dozen..... 9.60

SHOT GUNS

DOUBLE BARREL, HAMMERLESS
ITHACA



No. 2 Grade, Breech Loading.

Engraving—Top lever, fore-end iron and trigger guard engraved with neat line and scroll, game scene on each side and bottom of frame.

Barrels—Imported extra grade fluid steel barrels. Can furnish cylinder, modified or full choke bored.

Stock—Selected walnut, nicely colored, with full half pistol grip; fore-end and grip hand checkered and rubber cap.

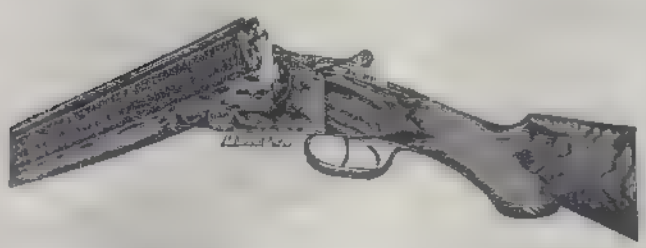
Weight—10 ga., 9 to 10½ lbs.; 12 ga., 6½ to 8½ lbs.; 16 ga., 6 to 7 lbs.; 20 ga., 5½ to 6 lbs.; 28 ga., 4¾ to 5¼ lbs.

When ordering, specify length of barrel, weight, style of grip and boring wanted.

Without Automatic Ejector.	Each
No. 2ID10—10 gauge, 30 or 32 in. barrels	†$157 50
No. 2ID12—12 gauge, 26, 28, 30 or 32 in. barrels	† 157 50
No. 2ID16—16 gauge, 26, 28 or 30 in. barrels	† 157 50
No. 2ID20—20 gauge, 24, 26 or 28 in. barrels	† 157 50
No. 2ID28—28 gauge, 24 or 26 in. barrels	† 157 50

With Automatic Ejector.	Each
No. 2IDE10—10 gauge, 30 or 32 in. barrels	†$198 00
No. 2IDE12—12 gauge, 26, 28, 30 or 32 in. barrels	† 198 00
No. 2IDE16—16 gauge, 26, 28 or 30 in. barrels	† 198 00
No. 2IDE20—20 gauge, 24, 26 or 28 in. barrels	† 198 00
No. 2IDE28—28 gauge, 24 or 26 in. barrels	† 198 00

One in cardboard box; ten in wood case.



No. 3 Grade, Breech Loading.

Very popular for field or trap use.

Engraving—Frame, top lever, fore-end iron and trigger guard tastily engraved with game scenes, line and scroll engraving.

Barrels—Imported chain special fluid steel barrels; cylinder, modified or full choked.

Stock—Selected walnut of fine figure and coloring, nicely checkered, with straight, half or full pistol grip and rubber cap.

Weight—10 ga., 9 to 10½ lbs.; 12 ga., 6¾ to 8½ lbs.; 16 ga., 6 to 7 lbs.; 20 ga., 5¼ to 6 lbs.; 28 ga., 4¾ to 5¼ lbs.

When ordering, specify length of barrel, weight, style of grip and boring wanted.

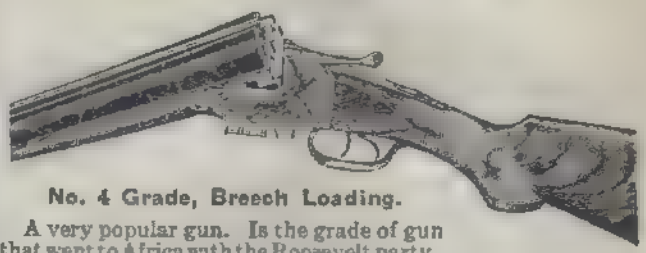
With Automatic Ejector.	Each
No. 3IDE10—10 gauge, 30 or 32 in. barrels	†$249 00
No. 3IDE12—12 gauge, 26, 28, 30 or 32 in. barrels	† 249 00
No. 3IDE16—16 gauge, 26, 28 or 30 in. barrels	† 249 00
No. 3IDE20—20 gauge, 24, 26 or 28 in. barrels	† 249 00
No. 3IDE28—28 gauge, 24 or 26 in. barrels	† 249 00

One in cardboard box; ten in wood case.

†F. O. B. New York Factory Only.

SHOT GUNS

DOUBLE BARREL, HAMMERLESS
ITHACA



No. 4 Grade, Breech Loading.

A very popular gun. Is the grade of gun that went to Africa with the Roosevelt party.

Engraving—Frame, top lever, fore-end iron and trigger guard engraved by hand, with scroll and line engraving, game scenes on guard and bottom of frame, setter and pointer dog on sides. Triple gold plated triggers and gold shield in stock.

Barrels—Fine imported best fluid steel barrels; cylinder, modified or full choke bored.

Stock—Finely finished walnut stock, beautifully figured; carefully fitted, handsomely checkered, straight, half or full pistol grip and rubber cap

Weights—10 ga., 9 to 10½ lbs.; 12 ga., 6¾ to 8½ lbs.; 16 ga., 6 to 7 lbs.; 20 ga., 5¼ to 6 lbs.; 28 ga., 4¾ to 5¼ lbs.

When ordering, specify length of barrel, weight, style of grip and boring wanted.

With Automatic Ejector.	Each
No. 4IDE10—10 gauge, 30 or 32 in. barrels	†$319 50
No. 4IDE12—12 gauge, 26, 28, 30 or 32 in. barrels	† 319 50
No. 4IDE16—16 gauge, 26, 28 or 30 in. barrels	† 319 50
No. 4IDE20—20 gauge, 24, 26 or 28 in. barrels	† 319 50
No. 4IDE28—28 gauge, 24 or 26 in. barrels	† 319 50

One in cardboard box ten in wood case.

Note—From Factory can furnish No. 2, 3 and 4 Grade with Krupp Barrels, with or without Automatic Ejector, also No. 3 and 4 grade without automatic ejector with Damascus barrels, or higher priced Guns. Write for catalog and prices.

SINGLE BARREL, HAMMERLESS
ITHACA TRAP

Victory Grade, Breech Loading.

The frame, top lever, trigger plate, fore-end iron and guard line engraved.

Center position trigger; front and rear brass sights.

Barrel—Best blued steel, ventilated top rib.

Stock—Walnut straight hand checkered grip and fore-end; stock 14½ inches long, 1⅛ inch drop at heel; 1½ inch drop at cone; recoil pad.

Weight—8 lbs.

Without Automatic Ejector.	Each
No. V12—12 gauge only, 32 in. barrel only	†$267 00

One in cardboard box; 10 in wood case.

†F. O. B. New York Factory Only.

SHOT GUNS

SINGLE BARREL, HAMMERLESS
ITHACA TRAP

Trap. Breech Loading.

Engraving—Frame, top lever, guard and trigger plate hand engraved in a beautiful and artistic manner. Trapshooting scene on one side of frame, American eagle design on other side. Hardened and polished trigger. Gold shield in stock.

Barrel—Best Fluid steel.

Stock—Nicely figured walnut stock, finely finished and handsomely hand checkered, with straight, half or full pistol grip. Made with full pistol grip unless otherwise ordered.

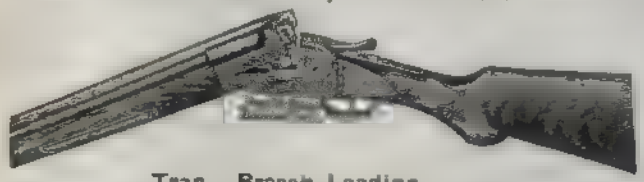
Weights—7¾ to 8¾ lbs.

When ordering specify length of barrel, weight and style of grip wanted.

With Automatic Ejector. Each

No. 4ET—12 gauge only, 30, 32, 34 or 36 in. barrel .. ✦$330 00

One in cardboard box; ten in wood case.



Trap. Breech Loading.

Engraving—Frame, top lever, forend iron, guard and trigger plate elaborately engraved by hand. Beautiful leaf and flower design on sides of frame and trigger plate; quail inlaid in silver on right side of frame; pheasant inlaid in silver on left side; American eagle design on trigger plate. Triple gold plated or hardened polished trigger. Gold shield in stock.

Barrel—Best Fluid steel.

Stock—Extra fine, carefully selected walnut stock of beautiful figure and coloring, hand checkered in a neat and artistic manner. Straight, half or full pistol grip.

Weights—7¾ to 8¾ lbs.

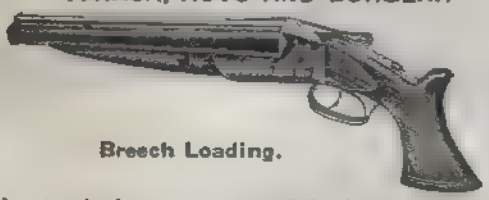
When ordering specify length of barrel, weight and style of grip wanted.

With Automatic Ejector. Each

No. 5ET—12 gauge only, 30, 32, 34 or 36 in. barrel.. ✦$465 00

One in cardboard box; ten in wood case.

DOUBLE BARREL,
ITHACA, AUTO AND BURGLAR



Breech Loading.

Used extensively as an automobile, home, office and bank protector. Far superior to a revolver or pistol, because it gives a killing pattern. With it the average person can hit an object easier than with the regulation shot gun fired from the shoulder. Will handle any load from the finest shot up to buckshot or even a ball.

Barrel—Best Fluid steel, cylinder bore.

Stock—Selected walnut, checkered grip and fore-end.

Each

No. AB20—20 gauge only, 10 in. barrels; wt each about 4 lbs. $98 25

One in cardboard box.

HOLSTERS

For No. AB20 Gun. Each

No. AB20H Best quality cow-hide russet leather $9 75

Packed loose.

✦F. O. B. New York Factory Only.

SHOT GUNS

DOUBLE BARREL, HAMMERLESS
A. H. FOX

The mechanical construction of all Fox hammerless shot guns is the same. All parts are interchangeable, being made accurately to gauge. The barrels are locked securely to the frame by a heavy rotary bolt through the extension rib, the bolt being so tapered as to automatically take up all wear and keep the gun tight for all time. The top lever is operated by a coil top lever spring, which is an exclusive feature of the A. H. Fox Gun.

Coil main and top lever springs guaranteed against breakage for all time and also guaranteed to shoot any smokeless powder and never shoot loose.

Sterlingworth, Breech Loading.

A plain, staunch, trustworthy gun that will make good all the time and under all conditions.

Engraving—Consists of line work around frame and guard.

Barrels—Genuine Sterlingworth fluid compressed steel; cylinder modified or full choke bored.

Stock—Best quality American walnut, thoroughly seasoned, nicely checkered on grip and fore-end. Made with full capped pistol grip only.

Weights—12 gauge, 7 to 7¾ lbs.; 16 gauge, 6¼ to 6½ lbs.; 20 gauge, 5½ to 6 lbs.

When ordering, specify length of barrel, weight and boring wanted.

Without Automatic Ejector. Each

No. SF12—12 gauge, 26, 28 or 30 in. barrels . . $126 00

No. SF16—16 gauge, 26, 28 or 30 in. barrels 126 00

No. SF20—20 gauge, 26, 28 or 30 in. barrels . .. 126 00

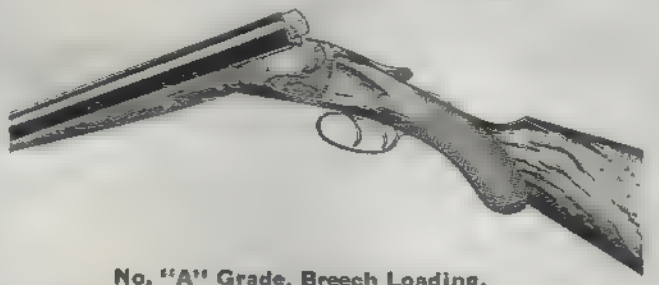
With Automatic Ejector. Each

No. SFE12—12 gauge, 26, 28 or 30 in. barrels ..... ✦$159 75

No. SFE16—16 gauge, 26, 28 or 30 in. barrels..... ✦ 159 75

No. SFE20—20 gauge, 26, 28 or 30 in. barrels . ✦ 159 75

One in cardboard box; ten in wood case.



No. "A" Grade, Breech Loading.

Barrels—Genuine Krupp fluid steel; cylinder, modified or full choke bored.

Stock—Selected dark English walnut, of good grain and figure, straight, half or full pistol grip; rubber butt plate; checkered grip and fore-end.

Weights—12 gauge, 6½ to 8 lbs.; 16 gauge, 5¾ to 7 lbs.; 20 gauge, 5¼ to 6¼ lbs.

When ordering, specify length of barrel, weight, style of grip and boring wanted.

Without Automatic Ejector. Each

No. AF12—12 gauge, 26, 28, 30 or 32 in. barrels... ✦$163 50

No. AF16—16 gauge, 26, 28, 30 or 32 in. barrels... ✦ 163 50

No. AF20—20 gauge, 26, 28, 30 or 32 in. barrels... ✦ 163 50

With Automatic Ejector. Each

No. AFE12—12 gauge, 26, 28, 30 or 32 in. barrels.. ✦$198 00

No. AFE16—16 gauge, 26, 28, 30 or 32 in. barrels.. ✦ 198 00

No. AFE20—20 gauge, 26, 28, 30 or 32 in. barrels.. ✦ 198 00

One in cardboard box; ten in wood case.

✦F. O. B. Pennsylvania Factory Only.

REVOLVERS

IVER-JOHNSON HAMMERLESS

32 Caliber, Center Fire, 5 Shot.

Automatic shell ejection, double action.
Chambered for 32 S. & W. cartridges.

Nickel Plated.

Nos.	Barrel, ins	Stock	Wt, ozs	Each
423	3	Rubber	14	$28 50
424	4	"	14½	29 25
423P	3	Pearl	14	34 50
424P	4	"	14½	35 25

One in cardboard box.

Blued.

Nos.	Barrel, ins	Stock	Wt, ozs	Each
0423	3	Rubber	14	$28 50
0424	4	"	14½	29 25
0423P	3	Pearl	14	34 50
0424P	4	"	14½	35 25

One in cardboard box.

38 Caliber, Center Fire, 5 Shots.

Automatic shell ejection, double action.
Chambered for 38 S. & W. cartridges.

Nickel Plated.

Nos.	Barrel, ins	Stock	Wt, ozs	Each
483¼	3¼	Rubber	18½	$28 50
484	4	"	19	29 25
485	5	"	19½	✚ 30 00
486	6	"	20½	✚ 30 75
483¼P	3¼	Pearl	18½	35 25
484P	4	"	19	36 00
485P	5	"	19½	✚ 36 75
486P	6	"	20½	✚ 37 50

One in cardboard box.

Blued.

Nos.	Barrel, ins	Stock	Wt, ozs	Each
0483¼	3¼	Rubber	18½	$28 50
0484	4	"	19	29 25
0485	5	"	19½	✚ 30 00
0483¼P	3¼	Pearl	18½	35 25
0484P	4	"	19	36 00
0485P	5	"	19½	✚ 36 75

One in cardboard box.

✚F. O. B. Massachusetts Factory Only.

REVOLVERS

IVER-JOHNSON CYCLE

Handy, compact; equally as effective as the larger models and can be carried in the vest pocket. Very popular with cyclists and motorists. Its light weight makes it an ideal firearm for women; can be carried in the handbag or in a holster below the knee without betraying its whereabouts.

Hammer.

32 Caliber, Center Fire, 5 Shot.

Automatic shell ejection, double action.

Chambered for 32 S. & W. cartridges; length barrel 2 inches; nickel plated.

	Each
No. 322—Rubber stock	$26 40
No. 322P—Pearl stock	33 00

One in cardboard box.

Hammerless.

32 Caliber, Center Fire, 5 Shot.

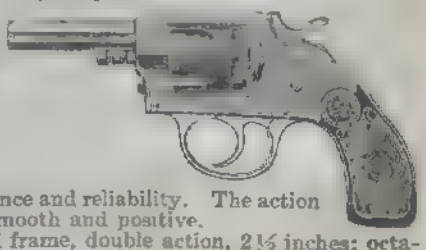
Automatic shell ejection, double action.

Chambered for 32 S. & W. cartridges; length barrel 2 inches; nickel plated.

	Each
No. 422—Rubber stock	$28 65
No. 422P—Pearl stock	34 50

One in cardboard box; wt each 19 ozs.

MODEL 1900



A worthy successor to the old "Boston Bull Dog" and "American Bull Dog" revolvers. Thoroughly modernized and brought up to date. Famous for their all around excellence and reliability. The action is simple but quick, smooth and positive.

Hand ejection, solid frame, double action, 2½ inches; octagon barrel, nickel plated.

22 Caliber, Rim Fire, 7 Shot.

(Chambered for 22 short, 22 long and 22 long rifle cartridges.)

	Each
No. J22—Rubber stock	$13 05
No. J22P—Pearl stock	18 75

One in cardboard box; wt each 10½ ozs.

32 Caliber, Center Fire, 5 Shot.

Chambered for 32 S. & W. cartridges.

	Each
No. J32—Rubber stock	$13 05
No. J32P—Pearl stock	18 75

One in cardboard box; wt each 12 ozs.

38 Caliber, Center Fire, 5 Shot.

Chambered for 38 S. & W. cartridges.

	Each
No. J38—Rubber stock	$13 05
No. J38P—Pearl stock	18 75

One in cardboard box; wt each 17 ozs.

REVOLVERS

IVER-JOHNSON
HAMMER, AUTOMATIC
WESTERN WALNUT GRIP

22 Caliber, Rim Fire, 7 Shot.

Automatic shell ejection, double action, chambered for 22 short cartridges.

Barrel Ins	Stock	Wt Ozs	Nickel Plated Nos.	Each	Blued Nos.	Each
4	Walnut	13½	5224	✣$30 00	05224	✣$30 00
5	Walnut	14	5225	✣ 30 75	05225	✣ 30 75
6	Walnut	15	5226	✣ 31 50	05226	✣ 31 50

32 Caliber, Center Fire, 5 Shot.

Automatic shell ejection, double action, chambered for 32 S. & W. cartridges.

Barrel Ins	Stock	Wt Ozs	Nickel Plated Nos.	Each	Blued Nos.	Each
4	Walnut	14	5324	✣$30 00	05324	$30 00
5	Walnut	14½	5325	✣ 30 75	05325	30 75
6	Walnut	15	5326	✣ 31 50	05326	31 50

38 Caliber, Center Fire, 5 Shot.

Barrel Ins	Stock	Wt Ozs	Nickel Plated Nos.	Each	Blued Nos.	Each
4	Walnut	18½	5384	$30 00	05384	$30 00
5	Walnut	19	5385	30 75	05385	30 75
6	Walnut	20	5386	✣ 31 50	05386	31 50

SPECIAL, WITH WESTERN WALNUT GRIP

32 Special Caliber is Built on a 38 Frame, Center Fire, 6 Shot.

Automatic shell ejection, double action, chambered for either 32 S. & W. long or 32 Colt New Police.

Barrel Ins	Stock	Wt Ozs	Nickel Plated Nos.	Each	Blued Nos.	Each
4	Walnut	20	6324	✣$30 00	06324	✣$30 00
5	Walnut	20½	6325	✣ 30 75	06325	✣ 30 75
6	Walnut	21	6326	✣ 31 50	06326	✣ 31 50

SEDGLEY "BABY", HAMMERLESS

Especially designed for vest pocket and handbag or where a larger revolver would not be practical.

This new model ejector is the simplest possible method of removing the shells from the cylinder and still retain the strength of the solid frame with all the conveniences of the swing out, without their disadvantages. To remove cylinder, pull forward and sideways on base pin, which brings cylinder clear of frame, ejecting empty shells at the same time.

Has folding trigger, interchangeable parts and a new one-piece main and trigger spring.

22 Caliber, Rim Fire, Six Shot. Rubber Stock. Weight 6 Ounces.

	Each
No. 22B—Blued finish	$11 25

All of above one in cardboard box.

✣ **F. O. B. Massachusetts Factory Only.**

REVOLVERS

U. S.

Hammer.

Automatic shell ejection, center fire, double action, rubber stock.

22 Caliber, 5 Shot.

(Chambered for 22 short, 22 long and 22 long rifle cartridges.)

	Each
No. U5223—Nickel plated, 3 in. barrel	$23 25
No. U5225—Nickel plated, 5 in. barrel	24 75
No. U50223—Blued, 3 in. barrel	23 25
No. U50225—Blued, 5 in. barrel	24 75

32 Caliber, 5 Shot.

Chambered for 32 S. & W. cartridges.

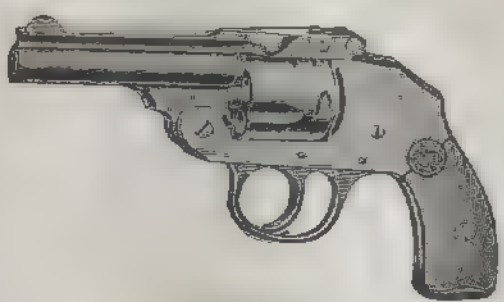
	Each
No. U5323—Nickel plated, 3 in. barrel	$23 25
No. U5325—Nickel plated, 5 in. barrel	24 75
No. U50323—Blued, 3 in. barrel	23 25
No. U50325—Blued, 5 in. barrel	24 75

38 Caliber, 5 Shot.

Chambered for 38 S. & W. cartridges.

	Each
No. U5383—Nickel plated, 3 in. barrel	$23 25
No. U5385—Nickel plated, 5 in. barrel	24 75
No. U50383—Blued, 3 in. barrel	23 25
No. U50385—Blued, 5 in. barrel	24 75

One in cardboard box.



Hammerless.

Automatic shell ejection, center fire, double action, rubber stocks, 3 inch barrel.

32 Caliber, 5 Shot.

Chambered for 32 S. & W. cartridges.

	Each
No. U5423—Nickel plated	$25 50
No. U50423—Blued	25 50

One in cardboard box; wt each 15 ozs.

38 Caliber, 5 Shot.

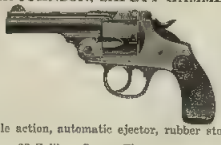
Chambered for 38 S. & W. cartridges.

	Each
No. U5483—Nickel plated	$25 50
No. U50483—Blued	25 50

One in cardboard box; wt each 21 ozs.

REVOLVERS

IVER JOHNSON, SAFETY HAMMER



Double action, automatic ejector, rubber stock.

.32 Caliber, Center Fire, 5 Shots
Blued finish.

	Each
No. 321—3 in. barrel, extreme length 6½ in., weight 12½ oz.	$11 00

Adapted to .32 S. & W. C. F cartridges.

.38 Caliber, Center Fire, 5 Shots
Blued finish.

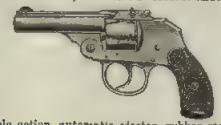
	Each
No. 381—3¼ in. barrel, extreme length 6¾ in., weight 17¼ oz.	$11.00

Nickel plated finish.

	Each
No. 386—3¼ in. barrel, extreme length 6¾ in., weight each 17¼ oz.	$11.00
No. 385—5 in. barrel, extreme length 7½ in., weight each 18 oz.	11.50

Adapted to .38 S. & W. C. F. cartridges.
One in a Box.

IVER JOHNSON, SAFETY HAMMERLESS



Double action, automatic ejector, rubber stock.
.32 Caliber, Center Fire, 5 Shots

	Each
No. 424—Blued, 3 in. barrel, weight 12½ oz.	$12.00

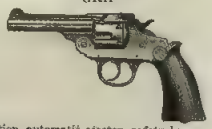
Adapted to .32 S. & W. C. F. Cartridges.

.38 Caliber, Center Fire, 5 Shots

	Each
No. 426—Blued, 3¼ in. barrel, weight 18 oz	$12 00

Adapted to .38 S. & W. C. F. cartridges.
One in a Box

IVER JOHNSON, HAMMER, WESTERN WALNUT GRIP



Double action, automatic ejector, safety hammer, grip made from one piece of wood.

.38 Caliber, Center Fire, 5 Shots

	Each
No. 384G—Blued, 4 in. barrel, extreme length 8½ in., weight 19½ oz.	$13.50
No. 385G Blued, 5 in. barrel, extreme length 9½ in., weight 20½ oz.	14.00

Adapted to .38 S. & W. C. F. cartridges.
One in a Box.

REVOLVERS

U. S.

Double action, blued finish, rubber stock.

Rim Fire, 7 Shot

	Each
No. 222½—.22 caliber, rim fire, 2½ in. barrel, weight each 10 oz.	$5 50
No. 224½ .22 caliber, rim fire, 4½ in. barrel, weight each 12 oz.	6.00

Center Fire, 5 Shot

	Each
No. 322½—.32 caliber, center fire, 2½ in. barrel, weight each 13 oz.	$5.50
No. 324½ .32 caliber, center fire, 4½ in. barrel, weight each 14 oz.	6.00
No. 382½—.38 caliber, center fire, 2½ in. barrel, weight each 18 oz.	5.50
No. 384½—.38 caliber, center fire, 4½ in. barrel, weight each 19 oz.	6.00

One in a Box.

PISTOLS

STEVENS' OFF HAND

The Hunter's Friend

Rim fire, blued finish, steel barrel, with bead front and sporting rear sight, selected black walnut stock, .22 long rifle caliber

	Each
No. 356—6 in. barrel, weight each 1¼ lbs.	$12.50
No. 358—8 in. barrel, weight each 1½ lbs.	13.25

410 Gauge, round barrel with octagon breech, blued finish, full choke barrel, selected black walnut stock, shot gun front sight.

	Each
No. 35/410 -8 in. barrel, specially effective for small game, weight each 2 lbs.	$18.25

The 410 gauge is the ideal gun for automobilists.

DOLLS

Butler dolls sell all the year around because every number stands the double test—quality to create sales—price to return a good retail profit

IMPORTED CHINA DOLLS

White china body, painted features, blonde and brunette hair. 1 doz. in box.
2F9780—1¾ in. high. Gro
2F9781—2¼ in. high Gro **66c**

2F9848—4½ in. high flesh rose china, painted features and hair, full jointed. 1 doz. in box Doz **34c** Gro **$3.75**

Flesh color china, molded wig, painted features, one piece dress, socks and shoes, short sleeves. 1 doz. in box
2F9849—4" in. high Doz **38c**
2F9850—5" in. high Gro **$9.00** Doz **78c**

2F9846—2 styles, boys and girls, 5½ in. high, flesh color china, painted features, one piece dress, hair, jointed arms. Asstd. 2 doz. in box Doz **39c** Gro **$4.50**

2F9490—4¾ in. high flesh rose china, painted jacket, hat, shoes and stockings, jointed arms. 1 doz. in box Doz **75c** Gro **$8.50**

Flesh color china, painted hair, jointed arms. 1 doz. in box Doz
2F9491—5¼ in. high. **80c** Gro **$9.00** Doz
2F9487—6½ in. high. **78c**

2F9495—6½ in. high, flesh color china, painted hair, jointed arms. 1 doz. in box Doz **87c**

IMPORTED CELLULOID DOLLS

2F9691 13 style novelties, 2¾ in. high, bisque and glass painted eyes, one piece all celluloid bodies. Asstd. 3 doz. in box Gro Cse Doz Cse

Standing position, jointed arms. Fleisher composition, painted eyes, real hair, rocker bottom feet and hands.
2F9430 8 in. high 2 doz. in box Doz T. O.

2F9433—6 in. high. 1 doz. in box Doz T. O Gro

2F9430 8 in. high ½ doz. in box Doz **$1.95**

Sitting position, jointed arms and legs, painted features and hair.
2F9429—5½ in. high. 2 doz. in box Doz T. O.

2F9429—5 in. high. 1 doz. in box Doz **75c** Gro **$8.50**
2F9466—8 in. high ½ doz. in box Temp Out

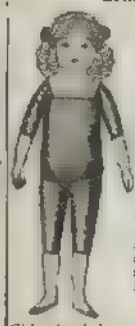
2F9523—4½ in. high standing position painted hair and features, jointed arms. 1 doz. in box Doz **75c** Gro **$8.50**

2F9327—6 in. high standing position, painted features and hair, jointed arms. 1 doz. in box Doz T. O

IMPORTED BABY DOLLS IN BATH TUBS

Bisque china dolls, sitting position, white china bath tub gilded rim. 1 doz. in box
2F9788 4 in. doll, 2½ in. tub Doz **36c** Gro **$4.00**
2F9787—2¼ in. doll, 3 in. tub Doz **75c** Gro **$8.50**

IMPORTED CHINA LIMB DOLLS



Made, packed and shipped under the eyes of our resident buyer in the district where the best china limb dolls are produced. COMPARE the materials, construction and PRICES

China head, bisque plaster, forearms and legs, sawdust stuffed strong muslin body, painted features, hair and low cut shoes.
2F9471 7 in. high, one piece Doz **72c** Gro **$8.00**
2F9472 8½ in. high, one piece Doz **84c** Gro **$9.50**
2F9475 10" in. high, ½ doz. in box Doz **$1.90**

FINE QUALITY IMPORTED BISQUE DOLLS

Flesh tinted bodies, painted features.

2F9740 7½ in. high painted hair, jointed arms and legs. 1 doz. in box Doz **72c**
2F8742 8½ in. high standing doll, painted features and hair, ribbon and bow, jointed arms. 1 doz. in box Doz **82c**

IMPORTED NOVELTY COMPOSITION DOLLS

Flesh painted composition bodies, painted features, jointed arms, fancy sizes and styles for fancies.

2F9782 2F9783

"Chubby Buds" 2 styles, painted hair and features, assorted legs and arms, girls with paint or ribbon and bows. 1 doz. in box
2F9784—4½ in. high Doz **39c**
2F9706—5½ in. high Doz **72c**

2F6754 "Playmate," 2 styles, 8 in. high, one piece body, jointed arms, painted features, mohair wig, assorted dress. 1 doz. in box Doz **80c**

2F6773 The Flirt, 21 in. high, composition head, painted features, mohair wig, one piece body and limbs, cross jointed at hips, jointed at knees, jointed at shoulders, kid body, 1 doz. in box Doz **95c**

BEAD DOLL

1F2855—4½ in. high, turned hard wood beads, varnished, jointed at hips, shoulders and knees, wax finish, with bisque head. 1 doz. in box Doz **84c** Gro **$9.60**

"MAMA", CRYING AND UNBREAKABLE DOLLS

12 In. Unbreakable

1F5025—2 styles, about 12 in. high, painted hair, parcale rompers and dresses trimmed with braid and lace. Asstd. 1 doz. in box Doz **$2.25**

13 In. Crying Dolls

1F5049 13 in. high, fur composition arms, painted hair, strong crying voice, dresses in assorted patterns and rompers for 1 box. Doz **$4.25**

"Mama" Dolls

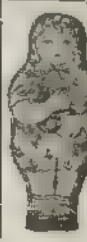
1F5055—19 in. high, crinkle crepe dresses, bonnets, sateen body and legs, indestructible head, arms, forearms painted hair, features and eyes. Asstd. ¼ doz. in box Doz **$8.00**

"JACK AND JILL" DOLLS

Well stuffed bodies, large unbreakable heads, painted features, composition hands, patent leather finish slippers, loud "Mama" voices.

1F5211—"Jack" 21 in. high, gold rose sateen trousers, polka dot shirt, flowered vest, white socks. 1 doz. in box Doz **$21.00**

1F5212—"Jill," 23 in. high, flesh color composition legs, pink bordered ecru socks, green sateen dress with white polka dot muslin underwear. 1 doz. in box Doz **$21.00**



"LITTLE TOTS" SOFT BODY DOLL

1F1250—9 in. high stuffed body, sanitary and washable. A large assortment store seller. 1 doz. in box Doz **78c**

BABY CABINET PHONOGRAPH

A miniature phonograph perfect in every detail. A real high grade toy.

1F2367 [illegible] in. high, ivory enamel [illegible] design. Plays [illegible] records. Loud and expressive tone, [illegible] strong long running motor. [illegible] Each **$6.50**

WOVEN FIBER DOLL CARRIAGES

Adjustable Hoods

25 in. high, 18½ in. long, 10 in. wide, fine round fiber rolls on hood and body, reclining back, 7 in. rubber tired wheels. 1 crate on 116 lbs. Each
1F360—Natural finish
1F361—Black blue finish } **$4.50**

27½ in. high, 30 in. long, 11 in. wide, fine round fiber body and hood, rolls on body and hood, "Princess" corduroy lined, reclining back, 8 in. wheels, ½ in. rubber tires. 1 in carton, 14 lbs. Each
1F346—Natural finish
1F347—Ivory finish } **$6.50**

SUNDRY TOYS

These popular toys will keep the children coming to your store. An attractive display on the counter and they will sell themselves. A small investment, a quick "turn"—and you make many extra dollars in profit.

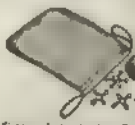
JACKS

Jacks Only. Best quality good weight, copper finish

1F2937 Size 1 2 gro in box ... Gro 26c

1F2946 Size 2 2 gro in box ... Gro 32c

1F2947 Size 3 2 gro in box ... Gro 38c



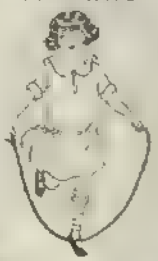
Complete Set. A nickeled jack stones and a solid rubber ball in each set in bag.

1F2949 2 doz. sets in pkg ... Doz sets 39c

BOYS' BOX KITE

1F2911 Diamond shape kite with wood sticks, colored paper and tails that can be rolled up for mailing in box ... Doz 78c

JUMP ROPE



1F2918—6 ft. long, extra heavy twisted white cotton rope, fancy turned red & green stained handles. 1 doz. in pkg ... Doz 84c

PAPER KITES

"Hi-Flier" — Assorted color combinations, extra strong thoroughfold paper, each 7 ft. 6 in. extra long tail.

1F2902 ... 2 doz. in pkg ... Doz 39c

"Hi-Flier" Tail-less, assorted color combinations, strong thoroughfold paper, each 7 ft. 6 in. extra long tail.

1F2903 ... 2 doz. in box ... Doz 39c

1F2901 ... 1 doz. in pkg ... Doz 82c

"High Flyer" Wire frame strong paper covered, 1F2905 ... 18 in. high 2 doz. in pkg ... Doz 82c

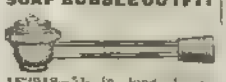
TOY STEEL WINDMILL

1F3540—15 in. high galvanized heavy frame. Each in box ready to set up. 1 doz. in pkg ... Doz 39c

"VICTORY" CANARY SONGSTER

1F2165—4½ in. ... 1 doz. in box ... Doz $1.85

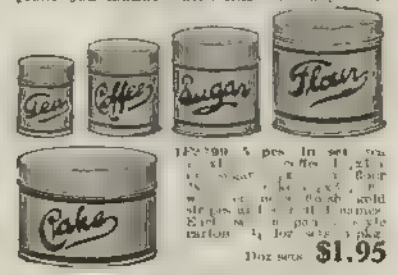
SOAP BUBBLE OUTFIT



1F2918—3½ in. long, turned wood bowl and mouthpiece, 2 brass tubes, blows double bubbles, each in box. 1 doz. in carton ... Doz 78c

Kiddies' 25c Canister Set

Another example of the tremendous values we are offering. The price will allow you a real profit you cannot match this value anywhere



1F2798 5 pcs. in set, consisting of coffee 1 pint, tea 1 pint, sugar 1 pint, flour 1 pint, cake 1 pint, all nested, with metal cover, each set packed in 1 box, 6 sets in 1 pkg. Doz sets $1.95

KITCHEN UTENSILS

1F2805—4 styles, egg beater, potato masher, cake server or 1 batter spoon, average 11 in. long, white enamel wood handles. Asstd. 3 doz. in box. Doz 87c

Gro $9.75

TOY FLAT IRON

1F3041 ... with nickeled ends ... doz. in box ... Doz 87c

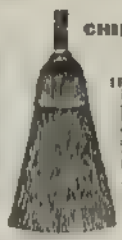
"TOY KRAFT" WOOD TOY ASST.

1F3700 6 styles, wagon, steam roller, fire engine, plane, boat, locomotive, all colors, black wheels, each with string. Packed 1 doz. in box. Asstd. ½ doz. in pkg. Doz $4.50

SOAP BUBBLE OUTFIT

1F2918—3½ in. long, turned wood bowl and mouthpiece, 2 brass tubes, blows double bubbles, each in box. 1 doz. in carton ... Doz 78c

CHILDREN'S BROOM

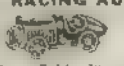


1F742—30 in. long, good broom corn brush, green corn sewed stripped natural stick handle, tied in bunch. Doz $1.85

"REX RACER" MECHANICAL TOY

1F12—8 in. long, red body, ... Doz $2.25

TOY RACING AUTO



1F2440 — 3x1½ in., assorted silver, red, green, blue and gold bodies, black & white wheels. Asstd. 2 doz. in carton ... Doz 84c

Gro $9.60

"GEM" DIME POCKET

For 50 dimes, red & tan contents, nickeled finish

1F2727—1 doz. in box ... Doz 78c

Gro $9.00

TOY STEEL CART

1F2333—4½x8¾ in. wood box, high sides with nursery pictures, green bottom, red wheels and handle. 1 doz. in box ... Doz 87c

TOY TELEPHONES

The outstanding telephone values in the country. Improved mechanism, finest workmanship

1F2564 7 in. high, nickel plated base and receiver, hook, black enameled mouthpiece and receiver, polished nickeled gong bell, imitation wire. Each in box. 1 doz. in pkg ... Doz $3.95

1F2565—8 in. high, nickel plated, 4 piece, adjustable transmitter, black enameled wood receiver, green imitation wire, felt base. Each in box. ½ doz. in pkg ... Doz $7.75

WELL KNOWN "DAISY" AIR RIFLES

The following numbers represent the best sellers from the well known "Daisy" line. All with walnut stocks and accurately sighted

500 Shot Repeater

1F2634 ... Blued finish steel parts. ½ doz. in pkg ... Doz $20.00

50 Shot Repeater

1F2637—Mfrs 25 "New pump action, 37 in. long, adjustable rear sight, blued finish steel parts. 1 in box. 3 lbs. 4 oz. ... Each $3.33

"BENJAMIN" PUMP AIR RIFLE

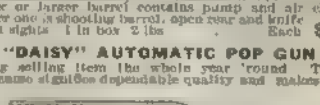
Most accurate, hardest shooting and only practical air gun on the market for small game and target use. Easily penetrates ½ in. pine board

Take Down Model, Hammerless

1F2630—Operated by compressed air charged by pump regulable from ... lowest ... Barrels, lower or larger barrel contains pump and air chamber, upper one is shooting barrel, open rear and knife front sights. 1 in box. 2 lbs. Each $3.50

"DAISY" AUTOMATIC POP GUN

A big selling item the whole year 'round. The well known ammo of guns dependable quality and makes selling easy



17 in. Long—Harmless

1F2640 (Mfrs #) 17 in. long, break action, blued finish metal parts, walnut stained stock, each with cork and string in box. ½ doz. in pkg. ... Doz $2.00

AIR RIFLE SHOT

1F2650 Drop shot, 5 lbs. DAG (5 lbs. shot) 78c

1F2660—Western" BB shot, ... shell with turning cap which permits shot to be taken out 3 doz. shells in bag. Doz 55c

Case 100 shells Case $4.50

IMPORTED CELLULOID TOYS

2F9431—6 styles, 3½ to 4½ in. elephant, lion, camel, horse, cow, duck all with painted trim. Asstd. 1 doz. in box ... Doz 37c

Gro $4.60

2F9445—6 styles, 2½ to 3 in. cows, lions, mules, cows, sheep and horses. Asstd. 1 doz. in box ... Doz 72c

Gro $8.00

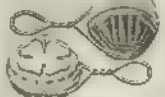
2F9544—1 style, 4 in. flat, swan and duck, light colors. Assorted. 1 doz. in box ... Gro 8.50 ... Doz 75c

Bell Style

1F2456—3 in. long, figure of child, 2 colors, attached to 8 in. celluloid hand baby, blue, enameled wood handle. 1 doz. in box ... Doz 79c

Celluloid

2F0530 — 6 styles, 4 in. long, doz. chicken, duck, rain crane, etc., features and ... Asstd. 1 doz. ... 82c



Zylonite

1F3477—6 styles, average 6 in. long, octagon, round ... and fancy novelty ... in pink & white and blue & white combinations. Asstd. 1 doz. in box ... Doz 87c

Display Box Assortment

STAR VALUE

1F4465 6 styles ... in pastel tints ... ne nets and juvenile designs ... white and pink and white combination. Asstd. 2 doz. to display box. Doz $1.95

Display Rack Assortment

1F4451 6 styles, average 6 to ... long, ball, barrel, diamond and fancy novelty shapes, hand decorations in pastel tints, forget-me-nots and juvenile designs, pink and white and blue and white combinations. 36 in. bronze finish rack with two 12 in. ... Asstd. ½ doz. in box ... Doz $2.10

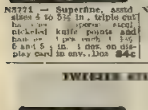
NAIL FILES, ETC.

NAIL FILES

N [illegible] ... in ... flexible steel polished knife ... Asstd ... Dz 72c

N1889—"Ansonia," 2 in., best tempered steel nail clean 1 doz. on display card in em Doz 57c

N [illegible] ... Bucket file ... in ... nickel ... Asstd ... each in leatherette sheath 1 doz. on card in env. 79c



N3721 — Superfine, Asstd sizes 4 to 5½ in., triple cut ... nickel ... knife ... display card in env. Doz $4c

NAIL CLIPPERS

N1700—Penn "Ideal." 2½ in., ... steel, ... pound lever ... display card in Doz. $1.85

TWEEZER ATTACHMENTS

N3772 ... 3 styles ... sharp pointed jaws, 2¾ ... grip, 3¼ in sharp pointed jaws. Well made, nickel plated. Asstd 1 doz. on display card Doz 79c

N3772 ... 3 styles ... sharp pointed jaws, 2¾ ... grip, 3¼ in sharp pointed jaws. Well made, nickel plated. Asstd 1 doz. on display card Doz $2.00

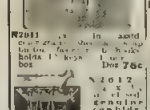
KEY RINGS and chains

KEY RINGS AND CASES

N2020—Heavy nickeled spring ... 3 doz. in env. Doz 20c

N2039—25c ... 1¼ in. ring, ... nickel finish ... 1 doz. on card in env. 30c

N2011 ... in ... Asstd ... 1 doz. on card in env. Doz 75c



N2012 ... genuine ... nickel ... Asstd ... 1 doz. on card in env. Doz $1.85

KEY CHAINS

N1989—18 in. ... chain ... nickel ... 1 doz. in box Doz 35c

N1992—17 in. ... chain ... key ring ... 1 doz. on ... Doz 75c

BELT KEY HOLDERS

N2086 ... N2087

N2086—Safety." ... 1 doz. on card in env. Doz 36c

N2087 "Safety." ... 1 doz. on card in env. Dz 75c

PIN CUSHION AND SPOOL HOLDERS

N2048 ... styles, asstd. nickel ... 1 doz. on card in env. Doz $2.00

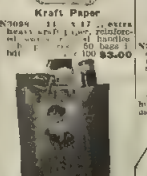
"DAISY" LAUNDRY BAG

N1869 ... to hang ... ring and ... Smokeless fastener ... Asstd ... Each $10.75

PARCEL CARRIERS

Kraft Paper

N3084 ... extra heavy kraft ... reinforced ... handles ... 50 bags 1 bdl ... 100 $3.00



Kraft Paper

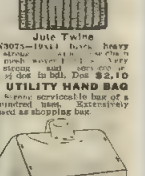
N3079 Deadbeat," 15 x 18 in. ... brown kraft paper ... extend clear around bag and carry the load ... picture on each bag ... Per $5.50

"AUNT HANNAH'S" KNIT BAG

Jute Twine

N3075—1951 ... heavy strong ... smooth ... strong ... of doz in bdl. Doz $2.10

UTILITY HAND BAG



Fiber Board

N3089—16 in. long, 8 in. wide, 13 in. deep, made of ... wearing fiber board ... strong seams, reinforced handles. 2 doz. in pkg. Dz $1.20

CORK PLATE MATS

STAR VALUE

Imported compressed cork; blue ... mottled linen ... designs, strongest ... for ... ordinary ...

N2058—10c asst. ... sizes and shapes ... 1 doz. ... Asstd 3 doz in pkg. Doz 80c

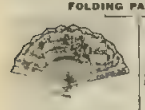
N2054 ... 25c asst. ... Rare ... and ... 1 doz. and sell ... Asstd ... pkg. 1 doz in pkg. ... $1.95

N2053 ... 15c asst., ... Asstd ... Rare ... and ... 1 doz. in pkg. Asstd ... pkg. Doz $3.25

FANS

We import these fans direct from Japan and China—That's why we can name such low prices

FOLDING PAPER FANS



2 Styles

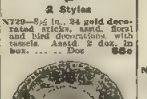
N728—8½ in., 19 sticks, asstd floral gold and silver decorations, with tassels Asstd 3 doz. in box. Doz 39c

3 Styles

N727—8½ in., 19 sticks, asstd fancy floral ... with tassels Asstd 3 doz. in box Doz 42c

2 Styles

N729—8½ in., 24 gold decorated sticks, asstd. floral and bird decorations with tassels. Asstd 2 doz. in box. Doz 62c



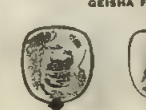
2 Styles

N730—8½ in. 25 gold decorated sticks, asstd floral and landscape decorations with lace effect stockings with tassels. Asstd 2 doz. in box. Doz 75c

3 Styles

N732—8½ in. 25 gold decorated sticks, flora ... and landscape designs, gold ... tinsel decorations ... tassels. Asstd. ½ doz. in box .Doz 85c

GEISHA FANS



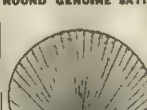
12 Styles

N728—7½x13 in. ... quality paper ... and ... sticks, in ... and ... with ... Asstd 2 doz in box Doz 75c

12 Styles

N725—Average 7½x15 in., silk bound edges, landscape ... fancy ... sticks, fancy ... Asstd 2 doz in box Doz 85c

ROUND GENUINE SATIN PALM LEAF FANS



Note that we sell these fans both in quantities of 100 as well as in 900, giving you opportunity for greater ... turn

Selected quality known as satin, round edges.

100 IN CASE—

	In About Case
N800— 9 ... 6 lbs	$3.25
N801—12 ... 11 "	3.50
N802—16 ... 23 "	3.25

900 IN CASE—

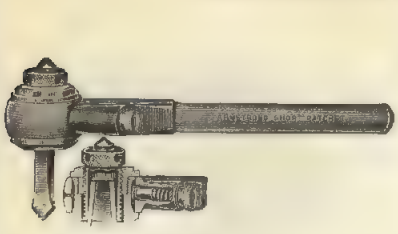
N138— 9 ... 15 lbs.	$8.50
N140—12 ... 25 "	9.75
N141—15 ... 35 "	11.00

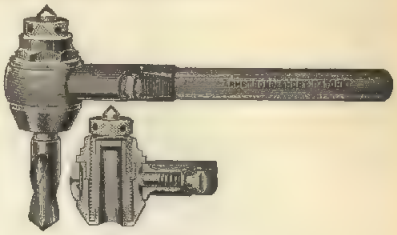
"QUICK SALES" COUNTER FAN ASSORTMENT

Comes to you ready to display. Assortment consists of a choice selection of the best ... sellers with one 10x24x3 in mahogany finish wood tray and price tickets

N760—About 8 styles, folding and Geisha fans, floral bird and landscape design decorations Asstd. 6 doz. in mahogany finish display tray with price ticket. Doz 79c

The Armstrong Short Ratchet Drill





Its short head, strength, compactness and quick reverse make it a perfect boiler ratchet. Has a long feed and a short head, making it especially desirable for drilling in close quarters.

Style	Price Each	Length Over All, Inches	Size of Socket or Hole	Length of Head, Inches	Feed, Inches	Weight, Pounds
62-R	$12.00	12	No. 1 Taper Square Shank	2⅜	1½	6
63-R	15.00	18	No. 1 Taper Square Shank	2⅜	1½	8
62-A	12.00	12	No. 2 Taper Square Shank	2⅜	1½	6
62-E	12.00	18	No. 2 Taper Square Shank	2⅜	1½	8
63-A	15.00	12	No. 3 Morse Taper Shank	3⅜	2½	6¾
63-E	15.00	18	No. 3 Morse Taper Shank	3⅜	2½	9

Extra spindles, Styles A, E or R, with nut and feed screws $3.50

By means of sleeves and sockets, these ratchets can be made to take smaller size drills, drills with square taper and blacksmith's straight shank drills

Packed One in a Box.

The Renshaw Ratchet Drill

These tools are made in two sizes—No. 1 taking drills to ¼-inch, No. 3 taking drills to 1½ inches. All the parts are made from steel and hardened.

No. 1 has one collet for drills, with shank ⅜-inch square at shoulder, and one collet for drills fitting No. 1 Morse's standard taper socket.

No. 3 has one collet, No. 5, for drills, with shank ⅞-inch square at shoulder, of ¼ to 1½ inches diameter, which are the extreme sizes that this ratchet is adapted to carry, and collets Nos 1, 2 and 3, for Morse's standard taper shanks. No. 3 and No 5 collets are held in the spindle by screw thread No. 1 and No. 2 collets are tapered externally to fit No. 3 socket.

No.	Price Each	Length of Handle	Depth of Head	Depth of Feed	With Collets
1	$11.00	9½	3	1⅛	With 2 Collets
1	9.40	9½	3	1½	With 1 Collet
3	15.00	18	5	2⅜	With 4 Collets
3	11.05	18	5	2⅜	With No 3 or 5 Col
3	13.25	18	5	2¾	With No. 1, 2 or 3 Col.

No. 1 Collet with square or taper hole. $1.60
No. 1 or 2 Collet for No. 3 ratchet. 1.10
No. 3 or No. 5 Collet for No. 3 ratchet 1.75

Armstrong Universal Ratchet

For general use in machine shops and structural iron and bridge work in setting up work. Very efficient for close, cramped positions. Two inches of motion at end of handle in any direction will drive drill.

Price with One Spindle

Number	4	5	6
Length, inches	14	16	18
Feed, inches	1¼	1⅞	2¼
Capacity of hole, inches	1	1½	2
Weight, pounds	5	8	12
Price each	$18.00	$23.50	$27.00

Extra Spindles

Style	Fitting Ratchet	Taking Drills
64-M	No. 4	With No. 1 Square Taper Shanks
64-K	No. 4	With No. 2 Morse Taper Shanks
65-J	No. 5	With No. 1 Square Taper Shanks
65-L	No. 5	With No. 2 Square Taper Shanks
65-O	No. 5	With No. 3 Morse Taper Shanks
66-F	No. 6	With No. 2 Square Taper Shanks
66-N	No. 6	With No. 3 Morse Taper Shanks
66-S	No. 6	With No. 4 Morse Taper Shanks

Note.—When ordering specify style spindle wanted. We ship No. 4 ratchet equipped with M spindle, No. 5 ratchet with J spindle, and No. 6 with F spindle, unless otherwise ordered.

By means of sleeves and sockets spindles can be made to take smaller sizes of Morse taper shank drills, drills with square taper shanks and blacksmith drills.

Rail Benders and Car Replacers

"Jim Crow" Rail Benders

Forged from solid machine steel; steel screws. Square, machine cut threads, three to the inch. Bolted on cross bar and forged wrench.

Number	For Rails	Weight Each Pounds	Price Each
1	100 lbs. and lighter	180	**$50.00**
2	85	150	**43.00**
3	75	110	**32.50**
4	50	85	**24.50**
5	25	60	**20.50**
6	16	40	**18.00**

Chicago Screw Rail Bender

Without Cross-Bar

Widely used in mines because of compactness. May be used for many purposes.

Forged from best O. H. steel.

Square threads, machine cut, three to the inch, steel screws. Malleable cap to fit rails. Furnished with or without steel lever.

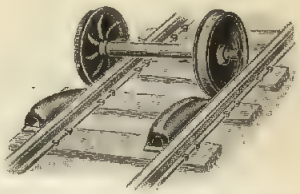
Size No.	Capacity, Size of Rails	Weight, Each	Price, Each Without Lever	Size No.	Capacity, Size of Rails	Weight, Each	Price, Each Without Lever
1	100	170	**$50.00**	4	50	85	**$24.50**
2	85	145	**43.00**	5	25	65	**20.50**
3	75	110	**32.50**	6	16	40	**18.00**

Samson Type Rail Benders

These Rail Benders are made in five sizes. The frames are of high quality heat treated cast steel. The screws are of cold rolled steel, and the bushings are made of special bronze. They will bend rails into position, when taking kinks out of track without drawing spikes—can be operated by one man.

Size	For Rails	Weight Each, Pounds	Price Each
D	45 lbs. and under	36	**$28.00**
C	60 " " "	65	**31.00**
B	80 " " "	126	**42.00**
A	110 " " "	147	**45.00**
AA	150 " " "	202	**50.00**

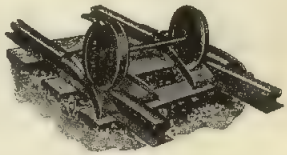
The Aldon Car Replacers



Frogs are marked right and left. The right frog is always placed adjacent to the right rail, the left frog to the left rail. Place the high ends as close to the rail as possible. The wings at the low end of the frogs must never be placed on top the flange of the rail.

No.	Material	Equipment Suitable For	For Rail, Lbs.	Wt., Lbs.	Price per Pair
1	Cast Steel	Heaviest	90	190	**$45.00**
2	Cast Steel	Modern	80	170	**43.50**
3	Mall. Iron	Elec. Sub'n	70	100	**27.00**
3½	Mall. Iron	Elec. Sub'n	50	100	**29.00**
4	Mall. Iron	Industrial	35	55	**24.00**
5	Cast Steel	Street Railways on Paved Streets		40	**9.00**

Johnson Wrecking Frogs or Car Replacers



These are in general use by Standard and Logging Railroads, Contractors and Mines. Have three points of contact for support—at small end by rail, at broad end by rail and tie. Straddle the rail and replace wheels on both sides of rail at one setting. Do not require bolts, clamps, spikes or wedges to hold in place while in operation. Fit all sections of T rail from 6 inches down. These frogs will also de-rail.

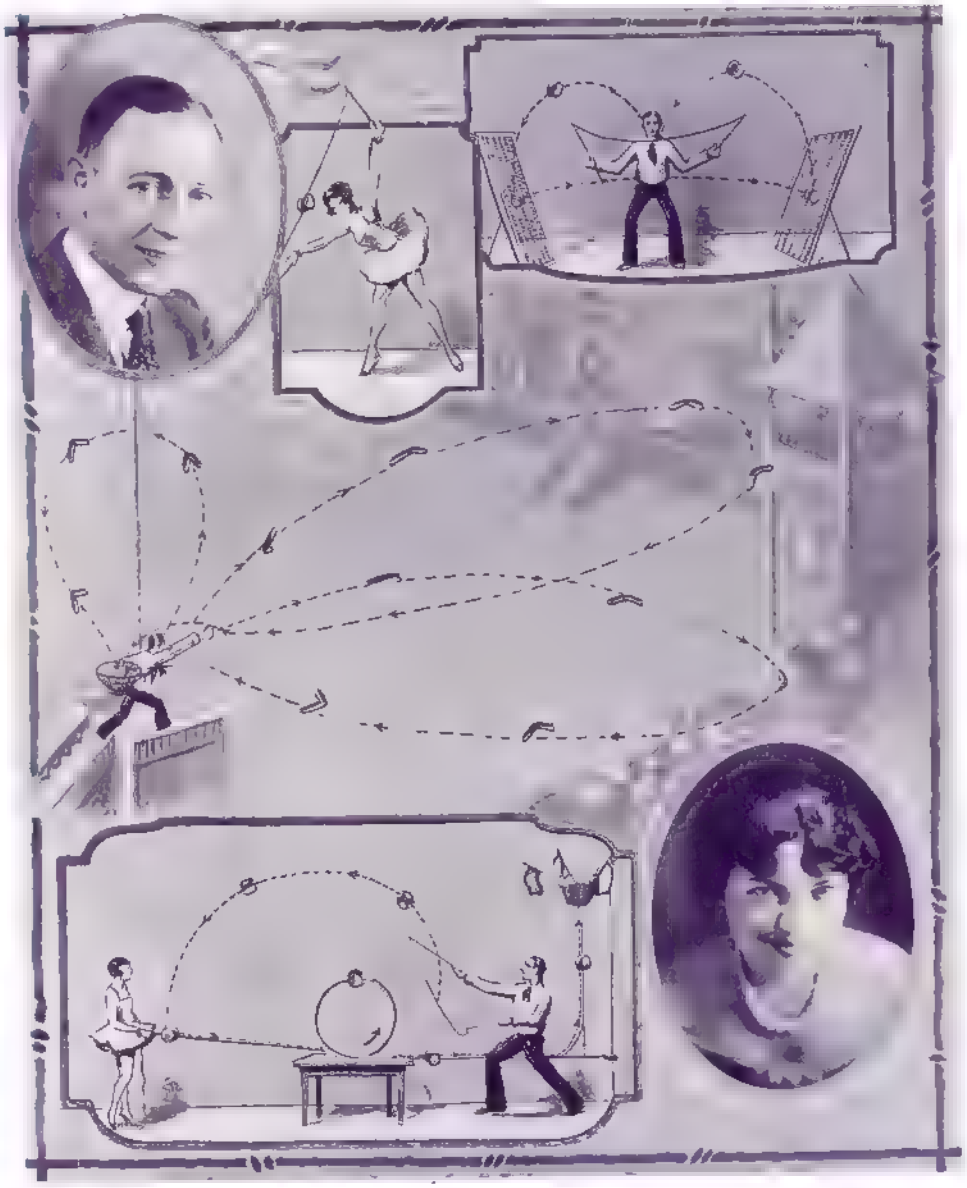
Type	For Rail up to		Capacity Locomotive	Wt., Lbs.	Price per Pair
	Wt., Lbs.	Height Inches			
M	45	3½	20 ton	30	**$22.00**
C	65	4⅛	30 ton	60	**28.50**
B	80	5⅛	50 ton	110	**37.00**
A	100	5¾	80 ton	145	**46.00**
Z	100	6	100 ton	165	**50.00**
AA	100	6	200 ton wreck outfit	275	**68.00**

WORLD AMUSEMENT SERVICE ASSOCIATION Inc.
ECONOMY SERVICE CO-OPERATION

A UNIQUE AND UNUSUAL NOVELTY

JOE MELVIN AND CO.

BOOMERANG AND DIAVOLO EXPERTS



Boomerangs Thrown in Every Direction Return to the Hands of the Thrower

Diavolo Spinning Requires Lightning Quickness of the Hands and Eye

A Distinct Australian Sport

EVERY ACT IN THIS CATALOG CONTROLLED EXCLUSIVELY BY WORLD AMUSEMENT SERVICE ASSOCIATION, Inc.
"SERVICE and SATISFACTION"

THE WIZARDS OF EQUILIBRIUM

• WRIGHT DUO •

ONE OF OUR MOST SUCCESSFUL FEATURES DURING THE LAST FOUR SEASONS

PERFORMING THE MOST INTRICATE AND SENSATIONAL BALANCING FEATS ON THE END OF A LADDER IN MOTION

A FEARLESS EXPOSITION OF A NOVEL CONCEPTION, DENOTING THE CLIMAX OF NERVE ALLIED WITH THE PERFECTION OF ARTISTRY

A Startling Manifestation of Ceaseless Endeavor

EVERY ACT *IN THIS CATALOG CONTROLLED EXCLUSIVELY* BY **WORLD AMUSEMENT SERVICE ASSOCIATION, Inc.**
"SERVICE and SATISFACTION"

TARGETS

BLACK DIAMOND

Finished in black with white face. Can be thrown from any trap. Excellent breaking qualities.

Per Barrel
No. 1BDT—Wt per barrel 180 lbs $15 00
594 in barrel.

BLUE ROCK CLAY PIGEONS

The Blue Rock target is of correct shape and weight, can be thrown from any trap, and has best breaking qualities. They are very carefully packed so as to prevent breaking in shipping.

Per Barrel
No. 3BRT—Wt per barrel 145 lbs $15 00
600 in barrel.

SHOOTING GALLERY TARGETS

Figures are of heavy iron; heavy iron plates protects the hinges of figures from being broken.
The birds and stars fall back out of sight when hit, and are reset by means of a rope from shooting stand.

Each
No. 11—Six Figures; wt each 15 lbs $7 95
No. 15—Eight Figures; wt each 21 lbs 10 50
Packed loose.

TARGET TRAPS

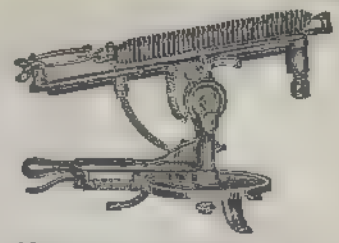
DU PONT HAND TRAP

A simple, practical and efficient apparatus for throwing all standard makes of clay targets. Strongly constructed, and with proper care will give excellent service for an indefinite period.
Nothing yet devised approaches the hand trap for practice for hunting and trap shooting, as an endless variety of flight and angles can be thrown with it. Novice and veteran trap shooters find it just the thing with which to keep in practice and their scores show improvement after using it.
Constructed of high grade malleable iron, japanned; steel spring.

Each
No. DHT—Length extended 34 ins; length closed 23 ins; wt each 6¼ lbs $12 60
One in cardboard box.

TARGET TRAPS

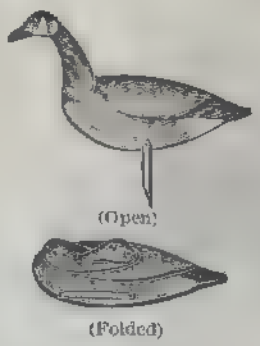
EXPERT



For individual or private use, the Expert is a great favorite; any angle can be obtained by swinging the lever; one trap will afford efficient means for throwing Blue Rocks where it is not advisable to use a Magautrap. The throwing mechanism is simple and durable; may be operated by rope or electric pull.

Each
No. 2ET Black japanned, cast iron frame; steel springs; length of arm 15 ins; spread of feet 11 ins; wt each 30 lbs $25 95
One in wood box.

DECOYS

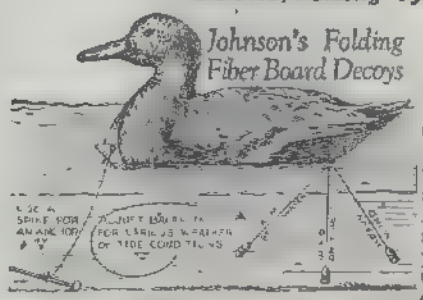


GEESE, CANADA

Wood; all parts are riveted together so they will fold very neat and compact.
Very light in weight and designed for use in field shooting and on sandbars. Represents full size geese in side view and may be stuck up to show from any view point by use of the pointed stick which is attached to the body.

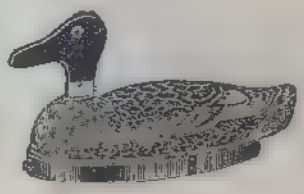
Per Doz
No. 2—Wt per doz 14 lbs $30 00
One doz in carton

DUCKS, Folding Type.



Printed in natural colors on tough, water-proof fibre. Board, mounted on 5/16 inch cedar float which slides inside the body to spread and float the duck. A balancing device attached to the float prevents tipping. Complete with anchors and cord. Assorted six Drakes and six Hens to the dozen.

Per Doz
No. 1FD—Mallard, complete $14 40
No. 1FB Bodies only, without float 9 75
No. 1F—Cedar floats only 4 95
One doz in canvas bag; wt per doz 4½ lbs.



Sheet metal body, mounted on ⅞ inch wood float, fastens with two metal clamps; removable rubber head; will float evenly on the water at all times, are well balanced, and painted in natural colors, true to life. Assorted 8 males and 4 females to the dozen.

Per Doz
No. 50—Mallard $31 50
One doz in cardboard box; wt per doz 18 lbs.

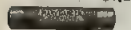
Rigaud's Mary Garden

(Fragrant with Parfum Mary Garden)

TOILET PREPARATIONS

Famous throughout the world as a product of the famous Rigaud, Mary Garden preparations are so well known that even a small display disposes of stock in a hurry. Everyone knows "Mary Garden" by the exquisite Mary Garden perfume and the brilliant red packages.

Talcum Powder—Small, superior grade French talc, litho can, sprinkler top.
Y5804—1 doz. in carton. Doz **$1.88**



Lipstick (Mfrs.) Metal case, 1 doz. in box.
Y5807—Medium shade Doz **$2.00**

Eyebrow Pencil Soft wax cream, delicately perfumed brass mounted.
1 doz. in box.
Y5871—Black or brown. Specify shade wanted. Doz **$2.40**

Face Powder — (Mfrs.) Soft fine powder, new style container with velour puff. ½ doz. in carton. Doz
Y5802—Flesh
Y5803—White } **$8.00**

Compact Face Powder—2 in. polished brass box with engine turned border design, hinged cover with mirror, genuine lambs' wool puff, satin back, nickeled edges. ½ doz. in box.
Y5896—Flesh tint Doz **$9.25**

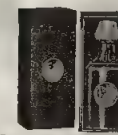
Compact Powder Refill—Flesh and rachel shade puff. SPECIFY SHADE
Y5565 ½ doz. in box Doz **$4.75**

Compact Rouge—Mfrs. 7/8 Firm cake delicately perfumed, heavy brass box, hinged cover with mirror, genuine lamb's wool puff, satin back, nickeled edges. ½ doz. in carton.
Y5895—Medium rouge. Doz **$4.00**

"Brilliantine"—1 oz., semi fancy bottle, ground glass frosted stopper, Glassine wrapped.
Y5873—½ doz. in box Doz **$4.50**

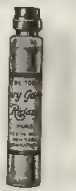
Use more price tickets

Cold Cream—3 in 1 Pure white cream cleanses and refreshes the skin, opal glass jar, each in carton.
Y5896—½ doz. in box..... Doz **$4.50**



Extract—¼ oz. glass bottle with metal wire label, cork stopper, each in box
Y5872—¼ doz. in carton. Doz **$11.40**

Vanishing Cream—Pure white, greaseless, delicately perfumed, cleanses and softens the skin, opal glass jar, each in carton.
Y5897—½ doz. in box Doz **$4.50**



Eau De Toilette Glass vial, nickel cork actual top, gold label
Y5899—3 doz. in box. Doz **89c**

Eau De Toilette (Mfrs.) 2½ oz., attractive bottle, ground glass ornamental stopper, each in box
Y5828—¼ doz. in cartos Doz **$12.00**

COMPLEXION CREAMS

"Juliette" Peroxide Cream—2 oz. soothes and bleaches, square opal jar
Y5859—1 doz. in box Doz **84c**
Gro **$9.60**

"Black & White" Cold Cream—White opal jar, each in carton.
Y5861—1 doz. in box Doz **$1.56**

"Black & White" Peroxide Cream—Bleaches and whitens the skin, opal glass jar, each in carton.
Y5860—1 doz. in pkg. Doz **$1.95**

"Hinds" Honey and Almond Cream—Soothing fragrant lotion for sunburn, chapped cuts or after shaving
Y5133 Small size, 1 doz. in box Doz **89c**
Y6134 — Large size, ½ doz. in box ...Doz **$3.95**

"Elinol" Vanishing Cream—6 oz. greaseless, delicately perfumed. forms excellent base for powder. Opal jar, solid brass cap.
Y5451—1 doz. in carton. Doz **$1.65**

"Elinol" Cold Cream—6 oz. absolutely pure, delicately perfumed opal jar, solid brass cap.
Y5450—1 doz. in carton. Doz **$1.65**

"Mavis" Cold Cream—Large tube, each in carton.
Y5903—1 doz. in box Doz **$2.00**

"Black & White" Cleansing Cream—A solvent for all impurities. Small size metal container
Y5201—1 doz. in pkg. Doz **$1.95**

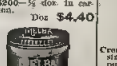
"Black & White" Beauty Bleach—Removes skin discolorations. opal glass jar neck, cap
Y5906—½ doz. in carton. Doz **$3.95**

Cream Angelus—(Mfrs. 451) Lemol, 4 oz size translucent glass jar
Y5273—1 doz. in carton. Doz **$4.00**

"Mary Garden" Cold Cream—(Mfrs 1) Pure white cream, opal glass jar, each in carton.
Y5896—½ doz. in box Doz **$4.50**

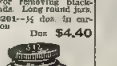
Lemon Cream — For bleaching and softening skin, square glass jar, metal cap
Y5748—1 doz. in box Doz **$4.00**

"Melba" Massage Cream—Opal jar.
Y6200—½ doz. in carton. Doz **$4.40**



"Melba" Skin Cleanser—For removing blackheads. Long round jars.
Y6201—½ doz. in carton Doz **$4.40**

"Melba" Vanishing Greaseless—A perfect base for powder
Y6202—½ doz. in carton. Doz **$4.40**



"Mavis" Vanishing Cream—Soothing prevents tan, windburn and chapping
Y5915—½ doz. in box Doz Out

"Mary Gordon" Vanishing Cream—Greaseless, delicately perfumed, opal glass jar, each in carton
Y5897—½ doz. in box Doz **$4.50**

Creme Elcaya—2 oz. size. An ideal disappearing toilet cream
Y5271 1 doz. in carton Doz **$4.50**

Elcaya Cold Cream—2 oz. size.
Y5272—1 doz. in carton Doz **$4.50**

SHAMPOO AND HAIR DRESSING

"WILD ROOT" PREPARATIONS

Y 5681 Y 5682 Y 5683

Well known and widely advertised. Guaranteed to satisfy.
Y5681 — Cocoanut oil shampoo.
2 doz. in box. Doz **72c**
Y5682 — Tarolemn shampoo.
2 doz. in box Doz **72c**
Y5683—Hair tonic 2 doz. in box. Doz **72c**

"STACOME" HAIR DRESSING

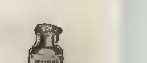
Y5758—Litho tube 1 doz. in display carton Doz **$3.00**

Y5759—Jar ½ doz. in display carton Doz **$6.00**

HAIR POMADE

Y6410 "Red Rose" Hair Pomade. 2 oz., perfumed. 3 doz. in pkg., 6 lbs. Doz **64c**

COCOANUT OIL SHAMPOO



"Watkins" Mulsified Cocoanut Oil—4 oz. bottle pure cocoanut oil, parchment wrapped
Y5955—1 doz. in carton Doz **$4.40**

"Palmolive"—4 oz. bottle. Does not dry out the hair or make it brittle
Y6339 1 doz. in box Doz **$4.00**

Juliette

The Aristocrat of Popular Priced TOILET PREPARATIONS

Absolutely pure ingredients. Guaranteed perfect in every way. A line that will build repeat sales on its merits.

Powders & Rouge

Trailing Arbutus Talc—3 oz., tin square talc cut, sprinkler top, true floral odor, best quality talc.

Y5507—3 doz. in shipping carton. Doz 78c

Y5508—1 doz. in chip board box. Doz 80c

Rose Talc—3 oz. tall octagon shape ribbed cut, sprinkler top, best grade talc exquisite rose odor.

Y5505—3 doz. in shipping carton. Doz 80c

Y5506—1 doz. in chip board box. Doz 82c

Talcum Powder Asst.

Y5870—6 styles, assorted odors, fine quality talc, assorted tall oval, tall square tall octagon and short octagon cans, sprinkler tops. Asstd. 3 doz. In carton Doz $4.75

"Orange Blossom" Talc—Excellent grade pure white talc, popular odor, litho can with sprinkler top.

Y5840—1 doz. in carton Doz 78c Gro $8.75

Face Powder—Excellent grade powder, very fine grant, attractive paper covered box. 1 doz. in box

Y5851—White
Y5850—Flesh Doz 84c
Gro $9.60

Powder — Brass case, brushed finish, gilt top, in cap, eiderdown puff. 1 doz. in box

Y5398—White
Y5390—Flesh. Doz 75c

Rouge, 1½ in. brass dip pod case, slip cover with rose eiderdown puff. 1 doz. in box.

Y5768 orange shade.
Y5767 Rose shade
Y5769—Medium shade.
Y5544—Asstd. med. and dark shades Doz 80c

Pencil & Lipstick

Eyebrow Pencil—Black and brown, delicately perfumed, 3 of 5 wax cream highly polished nickel container State shade

Y5858—1 doz. in box. Doz 72c

Lipstick—Delicately perfumed, soft wax cream, metal sliding tube, black, red and dark shades. Specify shade

Y5857—1 doz. in box. Doz 72c

Complexion Creams

Cold Cream—3 oz., pure white cream made from the purest ingredients, flint opal jar, nickeled cap.

Y5807—1 doz. in box. Doz 84c Gro $9.60

Vanishing Cream—2 oz., pure white, greaseless cream, square opal jar, nickeled cap.

Y5808—1 doz. in box. Doz 84c Gro $9.60

Lemon Cream—2 oz. pure and fat meal for bleaching and softening the skin, glass jar, nickeled cap.

Y5809—1 doz. in box Doz 84c Gro $9.60

Massage Cream—2 oz., for massage and to prevent the skin, glass jar nickeled cap

Y5810 1 doz. in box. Doz 84c Gro $9.60

Rose Cold Cream—2 oz., pure white cream perfect bleacher and whitens the skin, delightful rose odor, fancy glass jar, nickeled cap

Y5816 1 doz. in box Doz 84c Gro $9.60

Shampoo

Y5789 4 oz. bottle cocoanut oil shampoo, leaves hair soft and fluffy. Lathers freely 1 doz. in box. Doz 84c [Gro $9.60

"Juliette" Toilet Goods Assortment

The best assortment that has ever been brought out for such a small investment. You will be surprised at the unusual value we offer

Y5854—Small quantities that give you representative variety that you can turn quickly. Consists of the following

1 doz. Bay Rum
½ " Cold Cream
½ " Vanishing Cream.
½ " Toilet Water
½ " Cream of Benzoin Lotion
½ " Rose Water & Glycerine
½ " Lemon Cream
½ " Lemon Lotion
½ " Massage Cream
½ " Rose Cream.

Asstd. 4 doz. in carton. Doz **84c**

Lotions, Etc.

Glycerine & Rose Water—3½ oz., for chapped hands, rough skin etc., fancy bottle, metal screw cap.

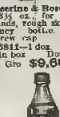
Y5811—1 doz. in box Doz 84c Gro $9.60

Almond & Honey Lotion—3½ oz., soothing, fragrant lotion for chapped skin and after shaving, fancy bottle, metal screw cap

Y5812 1 doz. in box. Doz 84c Gro $9.60

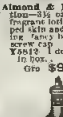
Lemon Lotion—3½ oz., excellent preparation for bleaching softening and whitening the skin, fancy bottle, meta. screw cap

Y5813—1 doz. in box Doz 84c Gro $9.60



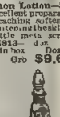
Bay Rum—3½ oz., contains 80% alcohol by volume, fancy bottle, metal screw cap

Y5814—1 doz. in box Doz 84c Gro $9.60



"Elite" Vegetal—3 oz., for bolls and bath, also excellent after shaving, metal sprint, or top

Y5815—1 doz. in box Doz 84c

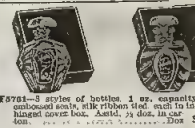


Eau-de-Toilette—Fancy bottle, nickel plated, lilac and rose odors attractive label, loose ppe stopper

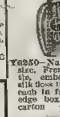
Y5817—Asstd. 1 doz. in box Doz 84c

Perfume

Y5240—Narcissus, odor 1½ drams crystals, bottle, cork stopper, brass cap, 1 doz. in carton Doz 80c



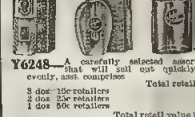
Y5761—3 styles of bottles, 1 oz. capacity, metal embossed seals, silk ribbon tied, each in individual hinged cover box. Asstd. ½ doz. in carton Doz $3.25



Y5250—Narcissus, ¼ oz. size, French style bottle, embossed seals, silk ribbon tied, each in fancy extension edge box. 1 doz. in carton Doz $1.69

Y5760 "Juliette," very excellent, ¼ oz., cap, metal embossed seals, fancy glass pop stopper, silk ribbon tied, each in individual blocked cover box. Asstd. 1 doz. in carton. Doz $1.85

Introductory Perfume Assortment



Y6248—A carefully selected assortment that will sell out quickly and evenly, ass. comprises

2 doz. 10c retailers — Total retail price $1.60
2 doz. 25c retailers — " " 3.00
1 doz. 50c retailers — " " 3.00

Total retail value $7.60
Your profit 3.60
Asstd. ½ doz. in carton. ARST (0 doz) Your Cost **$10.00**

"MAVIS" TOILET PREPARATIONS

Made by Vivaudou. The best known popular priced line on the market. You will find all of these numbers on nearby pages under classified headings.

Talcum.

Handy Size—
Y5880—White. Doz 89c Gro $10.60

25c Size—
Y5880—White
Y5848—Flesh .. } $1.90

Large Size—
Y5888—White Doz $3.95

Body Talc—(Mfrs. 123)
Y5924—White Doz $9.00

Face Powder

Small Size Doz
Y5831 White
Y5832—Flesh } $4
Gro $9.80

Regular Size Doz
Y5916—White
Y5917 Flesh } $4.20
Fancy Box Doz
Y5818—White. } 98c
Y5819 Flesh

Compact Rouge
Y5909—Light
Y5812—Medium Doz $3.95

Double Compact
Y5747 — Flesh or white powder, dustoose rouge. Doz $12.00

Cold Creams
Y5903—Cold cream tube Doz $2.00
Y5748—Lemon cream Doz $4.00
Y5915—Vanishing cream. Doz Out

Perfumes
Y5905—Extract Specialsse. Doz $3.95
Y5907—Eau de Toilette. Doz $10.00

BLACK & WHITE TOILET PREPARATIONS

The symbol of excellence in popular priced Toilet requisites. You will find all of these numbers on nearby pages under their classified headings.

Talcum
Y6998—White. Doz $1.95

Face Powder
25c Size—
Y5894 White.
Y5895 Flesh. Doz $1.95

Compact Rouge
Y5903—Medium tint.
Y5982—Orange tint. Doz $2.00

Double Compact
Y5995—Flesh powder, orange rouge.
Y5996—Flesh powder, the natural rouge. Doz $8.00

Creams
Y5891—Cleansing cream Doz $1.95
Y5981—Cold cream
Y5999—Peroxide cream.
Y5985—Ointment. Doz $1.95
Y5986 — Beautifying bleach ...Doz 3.95

Miscellaneous
Y6996 — "Puko" Hair dressing Doz $1.95
Y5994—Quinine pomade Doz $3.95
Y5987—Soap Doz 1.95

MELBA TOILET PREPARATIONS

The present perfection of "Melba" products is due only to 28 years of constant research. You will find these numbers on nearby pages under their classified headings.

Talcum
Y6215 — "Love me," white. 1 doz. Free with 6 doz. Doz $2.20

Face Powders
1 doz. free with 6 doz: "Melbatine"—
Y6212 White } Doz
Y6211 Flesh } $2.20
Y6214 Brunette
"Love me"
Y6209—White } Doz
Y6210—Flesh. } $6.60
Y6211 Brunette

Compact Rouge
Y6207 Medium shade Doz $4.00

Compact Powder
Y6203 Flesh color } $8.80
Light Doz

Double Compact
Y6204—Flesh powder, medium rouge Doz $13.20

Vanity
Y6205 — Powder and lipstick. Doz $13.20

Lipstick
Y6206 — Medium shade. Doz $2.20

Creams
Y6200—Massage cream.
Y6201—Skin cleanser
Y6202—Vanishing cream. Doz $4.40

Perfumes Doz
Y6218—5 in. vials $1.25
Y6217—Purse size. 2.20
Y6208 — Eau de Toilette 8.80

Week End Box
Y6219—3 "Melba" accessories in handy box Doz $2.10

Brilliantine
Y6216 4 oz. bottle Doz $4.40

OUR TERMS 2% TEN DAYS
1% 30 days, Net 60 days

KOKOMO CHECKERS

FOR FORDS
CHEVROLETS
OVERLANDS

FOUR point suspension eliminates sideway as no two or three point controlled device can.

Check the rebound in PROPORTION to its force

Interfere in no way with original car construction. No regular car parts rearranged or removed

NO STRAPS, SPRINGS OR CABLES TO WEAKEN, STRETCH OR BREAK.

Action is instantaneous. Excel all others in "holding down" cars equipped with balloon tires and in simplicity, efficiency and appearance.

SPECIAL OFFER TO DEALERS—sample set of four with complete line of selling helps $6 Less than cost to us. WRITE TODAY!

DISTRIBUTORS- Some good territory still open Write or wire.

SET OF FOUR
Ford Model
$17.50
Chevrolet, $18.50
Overland, $18.50

Kokomo Automotive Mfg. Co.
Dept. D-5 Kokomo, Ind.

Export Address
Kokomo Automotive Export Co.
30 Water St. New York, U. S. A.

JUMBO for FORDS

7 speeds Forward
3 speeds Reverse

PRICE $110 With Complete Attachments

ADD Jumbo Giant Transmission profits to your Ford truck sales. *The only transmission that combines over-drive, direct, and under-drive with a reverse gear* and that is properly installed by through bolts under compression (patented), extra universal joint, and cross frame support. Doubles pulling power.

Write for literature and name of nearest Jumbo distributor.

Other Jumbo Models -- 4 speeds forward, 2 reverse -- for Ford trucks and passenger cars $78 and $67.50 respectively.

THE PRICE-HOLLISTER COMPANY
Rockford, Illinois

PETRY

A Scientific Detector With a Purpose

Designed primarily for engine testing and *not intended as a noise maker*. More motorists will buy the Tuning-Up Valve if you stress this useful purpose, and show them its smooth, easy operation, and substantial, trouble-proof construction.

Order Through Your Jobber

N. A. PETRY COMPANY, Inc.
320 N. Randolph St., Philadelphia, Pa.
Pacific Coast Rep.: NORMAN COWAN CO., 451 Rialto Bldg., San Francisco

Tuning Up Valve

The Cincinnati
Electric Drills-Grinders-Buffers

½" "SPECIAL" DRILL
BALL BEARING—
UNIVERSAL MOTOR

$58

6" TWO WHEEL BENCH GRINDER
Alternating Current.
Complete with Two 6" Grinding Wheels
Two Wheel Guards
7 ft. Rubber Covered Cable and Steel Cord Attachment Plug

Now $35

A complete line of Portable Electric Drills, Grinders and Buffers for every purpose

Write for Catalog

THE CINCINNATI ELECTRICAL TOOL CO.
1521 Freeman Avenue Cincinnati, Ohio
Branch Offices: New York, Philadelphia, Pittsburgh, Cleveland, Chicago, San Francisco, Los Angeles

Model 100 Juvenola

Specially Priced while stock lasts . . . . . 15.00 Each

Dimensions:

Height 23½ in., Width 25½ in.

Depth 13¾ in.

Finish:

Blue or Ivory Enamel

A Musical Instrument (not a toy) possessing a tone that is equal to the large instruments. Nickel Plated Tone Arm with black enamel trimming. Plays all makes of records, has special diaphragm to prevent breakage

Motor will play two or more ten inch records one winding. Has silent wind, bronze bushings packed turn table spindle and ball and socket governor spindle.

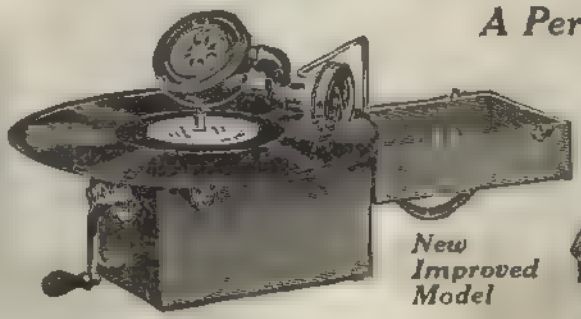
Cabinet selected Veneers throughout with removable motor board.

No. A28. Each 15.00

Camera Phonograph

A Perfect Instrument

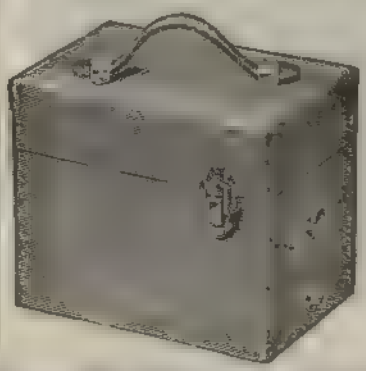
The World's Smallest Portable



Size 6 x 4 x 5¼

Weight 4 lbs. 2 oz.

New Improved Model



The Camera Phonograph is an all-around good instrument (not a toy), with a thoroughly reliable motor, nickel plated turntable, plays 10 and 12-inch records. Perfect sound box. Exceptionally brilliant tone, genuine leather grip and in value equal to any cabinet. One winding of the motor will play a 12-inch record. The exceptionally low price is within the reach of everybody.

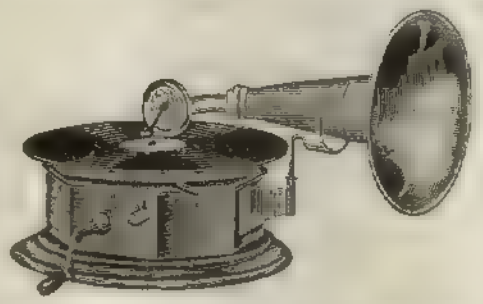
No. A27. Each..... 5.75

METROPOLITAN PHONOGRAPHS

Metropolitan Phonograph. Mahogany finished cabinet. Measures 12x11½ inches high. Well built and nicely polished. Attractive front covered with sateen. Equipped with a good working motor that will play a 10-inch record thru with one winding. Good sounding tone arm which will play all makes of records. Carries a 3 inch turntable. All metal parts nickel plated. Speed regulator and positive stop. Each machine has rubber feet so it will not scratch the tube or stand. This number is being used largely by premium users. Each packed in a corrugated box.

Model A25, Each 9.00

Imported Phonograph



Imported Phonograph, hexagon shape, made of heavy steel, enameled mahogany finish case, diameter at base, 11 inches with nickel finished aluminum tone arm, nickel plated sound box extra strong and long running motor, speed regulator, 7¼ inch felt covered turntable, 10¾ inch bell shape horn, nickel finished and highly polished on the inside. Plays any standard 10-inch record. Each in carton.

No. A30, Each **4.50**

New Ace Portable

Model A29

Black Leatherette Covered

Price Each

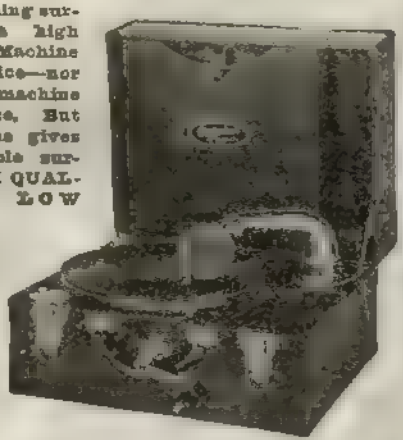
12.50

The New Ace Portable machine is deemed by far to be the greatest value ever produced. The cabinet is made of wood and is covered with black leatherette. Cabinet is fitted with strong catch lock and carrying handle. Has positive stop, a needle cup, and speed regulator. Cover contains place to carry records. This machine is equipped with the well known Silent Motor and a wonderful tone arm which produces a tone equal to that of any high priced machine. Sound box in rear. Size when closed 15x11½x6¾ inches. Each in box.

Model A29. Each **12.50**

New Model Portable

There's nothing surprising in a high grade talking Machine at a high price—nor a low grade machine at a low price. But the portophone gives you the double surprise of HIGH QUALITY at a LOW PRICE.



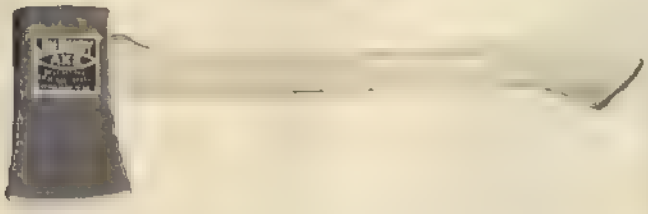
Model A24
Black Leatherette Covered
Price Each

15.75

This machine was perfected after two years of development. It has a sound equal to that of any $150.00 machine, made possible by a specially designed throw-back tone arm, a new Portophone Concert reproducer, and a scientifically designed tonal chamber. This increases the volume many times, yet fully retains the purity of tone for which the Portophone has long been famous. It is covered with new long grain black leatherette. Record cabinet on inside of cover. Size when closed 15½x11½x8¾ inches.

BOYS HANDLED AXES

JIM DANDY



Forged from one piece of tool steel, hand tempered; black forge finish; cutting edge raced.

No. 2—Handled with 28 inch turned oval handle; weight of head 2½ pounds; weight per dozen about 33 pounds .....Per Dozen $24.00

Half dozen in a crate handles wrapped

HUNTERS AXES

KELLY VULCAN

One piece tool steel, hand tempered; special chemical black finish; cutting edge honed; fawn foot handle.

No 1—Length of handle 16 inches; weight of head 1½ pounds, weight per dozen about 25½ pounds .....Per Dozen $24 00

Half dozen in a carton.

BROAD AXES

KELLY FLINT EDGE

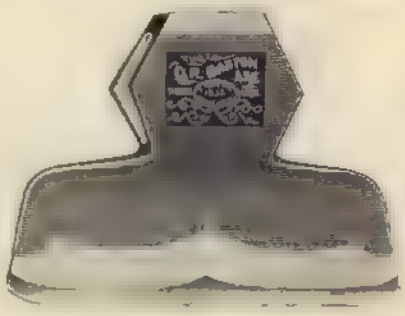
Kelly Pattern

Soft steel body; crucible steel bit, hand tempered; black enamel poll; bevel edge polished and honed

Flint Edge Weight each lbs	6	7	8
Per Dozen	$96 00	98 00	100 00

Half dozen in a box

D. R. BARTON



Canada Pattern

Soft steel body; crucible forged steel bit, painted black; polished head and bit.

Bit has slight timber spring to prevent binding. Handle lies close to the bit giving perfect control.

No. 75A Weight each, pounds	6	7	8
Cut, inches	10	11	12
Weight per dozen, pounds	80	92	105
Per Dozen	$140 00	142 00	144 00

Half dozen in a box

ADZES

KELLY STANDARD

Full Head House Carpenter

One piece tool steel, hand tempered blade and top of head polished; gold bronzed finish.

No. 90—3½ to 4½ inch cut; weight per dozen about 50 pounds. .....Per Dozen $36 00

One dozen in a box.

KELLY STANDARD

Half Head House Carpenter

One piece tool steel, hand tempered; blade and top of head polished; gold bronzed finish.

No. 100—3½ to 4½ inch cut; weight per dozen about 45 pounds..... .....Per Dozen $38 00

One dozen in a box.

KELLY STANDARD

Plain Ship Carpenter

One piece tool steel, hand tempered; blade and top of head polished; gold bronzed finish

No. 120—4 to 4½ inch cut; weight per dozen about 33 pounds.... ..Per Dozen $42 00

One dozen in a box.

KELLY VANADIUM HATCHETS

High Polish Finish

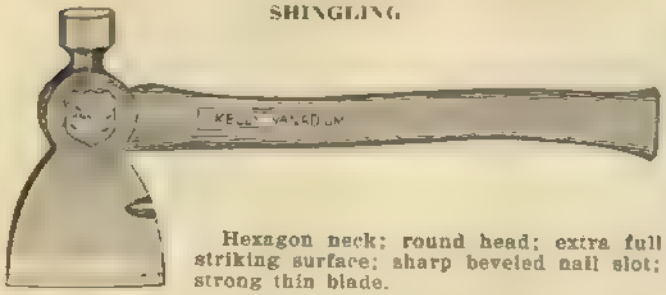
Drop forged from chrome vanadium steel. Tempered and tested with special care, to obtain the fine tough temper which this steel is designed to take and hold. The blades are thinner than on ordinary hatchets, without sacrifice of strength. The handles are second growth hickory, special shape, swell end, correct in grip and balance.

High Polish Finish

Special heavy hardened head for driving. Extra thin blade, stronger than ordinary heavier blade.

This line represents the peak of development in the manufacture of high grade hatchets. Consideration has been given to every detail which could enhance the quality and attractiveness in design and finish

SHINGLING

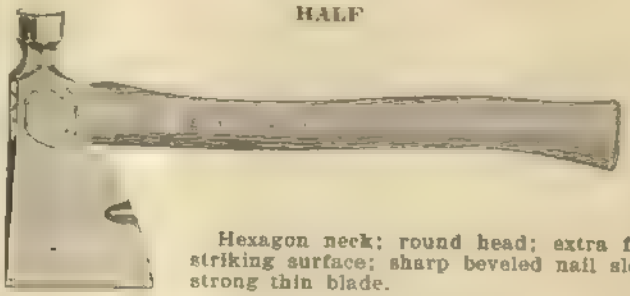


Hexagon neck; round head; extra full striking surface; sharp beveled nail slot; strong thin blade.

Nos.	101	102
Size	1	2
Width of cut, inches	3½	4
Length of handle, inches	14	15
Weight per dozen, lbs.	18	22
Per Dozen	$36.00	38.00

One in a carton

HALF

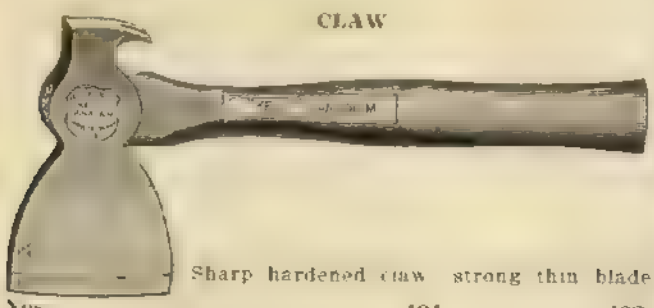


Hexagon neck; round head; extra full striking surface; sharp beveled nail slot; strong thin blade.

Nos.	301	302
Size	1	2
Width of cut, inches	3¼	3⅝
Length of handle, inches	14	15
Weight per dozen, lbs.	16	20
Per Dozen	$38.00	40.00

One in a carton.

CLAW

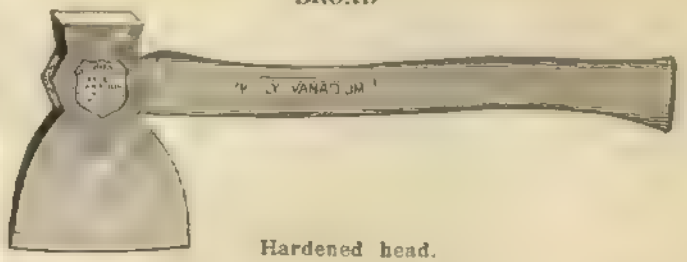


Sharp hardened claw strong thin blade

Nos.	401	402
Size	1	2
Width of cut, inches	3½	4
Length of handle, inches	14	15
Weight per dozen, lbs.	19	23
Per Dozen	$40.00	42.00

One in a carton.

BROAD



Hardened head.

Nos.	502	503
Size	2	3
Width of cut, inches	4½	5
Length of handle, inches	16	16
Weight per dozen, lbs.	..	..
Per Dozen	$44.00	46.00

One in a carton

SHINGLING HATCHETS

KELLY FLINT EDGE

Plain Pattern

Rustless luster black finish; top of head and cutting edge polished. Second growth hickory handles.

Nos.	1151	1152
Size	1	2
Width of cut, inches	3½	4
Length of handle, inches	13	14
Weight per dozen, lbs.	16	20
Per Dozen	$22 00	24.00

Half dozen in a carton.

KELLY HAND MADE

Black forged finish; cutting edge polished; No. 2 hickory handles.

Nos.	1191	1192
Size	1	2
Width of cut, inches	3½	4
Length of handle, inches	13	14
Weight per dozen, lbs.	16	20
Per Dozen	$14.00	16.00

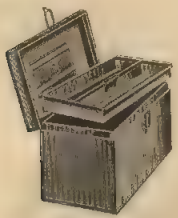
Half dozen in a carton.

TOOL CHESTS

KENNEDY ALL-STEEL

Built to withstand hard usage. Not damaged by oil or grease. Weather proof. Easy to carry. Finished in brown baked enamel. Fitted with Corbin locks except Nos. K-16, K-19 and K-22 which have multiple-change locks. Leather handles reinforced with steel cases.

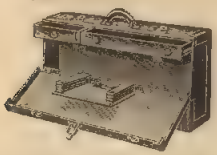
ELECTRICIAN'S KIT



NOS. K-16 TO K-22

No.	Size, in.	Wt. each	Each
K-16	16x8x9	8 lbs.	$6.00
K-19	19x8x9	9 lbs.	6.50
K-22	22x8x9	10 lbs.	7.00

CARPENTER'S CHEST

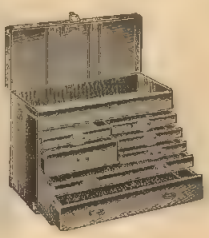


NOS. 31-A AND 31-C

Will hold three 26-inch saws

No.	Size, in.	Wt. each	Each
31-A	22x15x7	23 lbs.	$16.50
31-C	32x11x8	19 lbs.	14.70

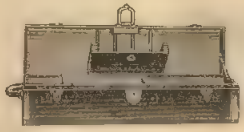
MACHINIST'S CASE



No. 519

No.	Size, in.	Wt. each	Each
519	19x8x12½	19½ lbs.	$27.00

SHOULDER CASE



No. 31-B

Will hold three 26-inch saws

No.	Size, in.	Wt. each	Each
31-B	32x8x8	18 lbs.	$12.80

All the above, one in a carton.

GARAGE KIT

No. 20-G

Same style kit as Nos. 116 and 118, except with deep handled tray

No.	Size, in.	Wt. each	Each
20-G	20x10x13	15½ lbs.	$12.00

SHOP TOTE TRAY

No. 19-T

Useful around the shop. Equipped with a tray for small parts and will carry a good assortment of tools

No.	Size, in.	Wt. each	Each
19-T	19½x9¾x3	6¼ lbs.	$3.50

MALLETS

ROUND

NOS. 40 TO 60

Hickory Tinners

No.	Length	Face	Wt. each	Each
40	5½ in.	2½ in.	1¼ lbs.	$0.60

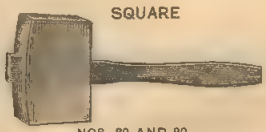
Second Growth Hickory

No.	Length	Face	Wt. each	Each
250	6 in.	3 in.	1¾ lbs.	$1.00

Lignumvitae, Mortised Handles

No.	Length	Face	Wt. each	Each
50	5 in.	3 in.	2 lbs.	$1.50
60	5½ in.	3½ in.	2½ lbs.	2.00

SQUARE

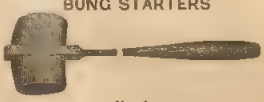


NOS. 80 AND 90

Hickory, mortised handles.

No.	Length	Face	Wt. each	Each
80	6 in.	2½x3½ in.	1½ lbs.	$1.30
90	6½ in.	2¾x3¾ in.	2 lbs.	1.40

BUNG STARTERS



No. 1

Selected hickory heads. Second growth hickory handles.

No.	Size head	Wt. each	Each
1	1x4x6 in.	1¼ lbs.	$1.50

All the above, loose.

KIDLIN AND KID BODY DOLLS

The very best values in imported kidlin and kid body dolls on the market; all nicely modeled and well sewed; extra quality mohair wigs.

WHITE KIDLIN DOLLS

MOVING EYES, BISQUE HEAD AND HANDS, SHOULDER AND HIP JOINTED, CUT KNEE.

White kidlin body, well stuffed and sewed; shoulder bisque head and hands; moving eyes, side parted wig; open mouth showing teeth; shoulder and hip jointed, cut knee; stockings and slippers; each in box.

		Doz.
GT234—Length 14½ ins.		7.50

FULL JOINTED, MOVING EYES

		Doz.
GT241—Same as above, but shoulder, hip and knee jointed; moving eyes, length 12½ ins., each in box. Dozen		9.00
GT244—Length 13¼ ins		12.50
GT248—Length 19 ins		21.00

MOVING EYES WITH LASHES. BISQUE HEAD AND HANDS, FULL JOINTED.

Bisque head and arms, moving eyes with lashes; open mouth showing teeth; side parted wig with 2 ribbon bows; shoulder, elbow, hip and knee jointed; removable shoes and stockings; each in box.

		Doz.
GT261—Length 12½ ins		9.50
GT262—Length 14½ ins		11.50
GT264—Length 15¾ ins		17.50
GT266—Length 18¼ ins		24.00
GT267—Length 19½ ins		27.00
GT268—Length 20½ ins		30.00

MOVING EYES, WITH LASHES, FULL JOINTED, LONG CURLS

Composition head moving eyes with lashes; open mouth, showing teeth; sewed wig long curls ribbon bows. Kidlin body, cork stuffed; composition arms and legs; shoulder, elbow, hip and knee jointed, removable stockings and slippers; each in box.

		Doz.
GT306—Length 13⅜ ins		12.00
GT308—Length 15¼ ins		15.00
GT310—Length 17¼ ins		22.50
GT311—Length 18½ ins		24.00
GT313—Length 21½ ins		27.00

WHITE KIDLIN DOLLS

MOVING EYES WITH LASHES, CELLULOID HEAD, HANDS AND ARMS, FULL JOINTED.

Natural color celluloid head, arms, hands and limbs, moving eyes with eyelashes; open mouth showing teeth, side parted sewed wig, 2 ribbon bows, shoulder, elbow, hip and knee jointed; removable stockings and slippers; each in box.

		Doz.
GT252—Length 13 ins		15.00
GT253—Length 14½ ins		18.00
GT254—Length 16½ ins		22.50
GT255—Length 19 ins		30.00
GT257—Length 21 ins		36.00

PINK KIDLIN DOLLS

MOVING EYES, BISQUE HEAD, COMPOSITION HANDS, FULL JOINTED

Pink kidlin body, well sewed and stuffed, shoulder bisque head composition arms; shoulder, elbow, hip and knee jointed; sewed, parted curly wig; sleeping eyes; removable slippers and stockings; each in box

		Doz
GT201—Length 13 ins		9.50
GT204—Length 16½ ins		15.00
GT208—Length 19 ins		18.00

WHITE KID BODY DOLLS

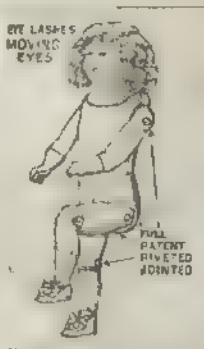
MOVING EYES, WITH EYE LASHES, BISQUE HEAD, FULL JOINTED.

Extra good quality white kid, carefully sewed and stuffed; bisque head and hands; moving eyes with eyelashes; open mouth showing teeth; curly mohair wig, ribbon bows; shoulder, elbow, hip and knee jointed; stockings and slippers; each in box

		Each
GT294—Length 16 ins		1.75
GT295—Length 17 ins		2.00
GT296—Length 18½ ins		2.25
GT297—Length 20 ins		2.50
GT298—Length 21 ins		2.75

EXTRA FINE KID BODY DOLLS

MOVING EYES WITH LASHES, BISQUE HEAD AND HANDS, SHOULDER, ELBOW, HIP AND KNEE JOINTED



Selected white kid; accurately sewed and well stuffed; bisque heads and hands; open mouth, showing teeth; extra fine parted wig with ribbon bows; moving eyes, lashes; shoulder, elbow, hip and knee jointed; removable stockings and slippers; each in box.

GT303—Length 17 ins.	Each	2.00
GT304—Length 19 ins.	Each	2.75
GT305—Length 21 ins.	Each	3.25

IMPORTED FULL JOINTED DOLLS

The most realistic faces yet produced; natural flesh tinted; full jointed; fine show numbers.

BISQUE HEAD, MOVING EYES, EYE LASHES, MOHAIR WIG SHOULDER, ELBOW, WRIST, HIP AND KNEE JOINTED

Bisque turning head, moving eyes, open mouth showing teeth, side parted wig, ribbon bow, composition body, wood arms and limbs; shoulder, elbow, hip and knee jointed, wire spring strung white lace trim chemise

		Doz.
GT337—Length 11 ins.		4.25
GT341—Length 14¼ ins.		6.00

With Jointed Wrist

		Doz.
GT344—Length 14¼ ins.		8.25
GT339—Length 14¾ ins.		8.75
GT349—Length 17¾ ins.		10.50

BISQUE HEAD, MOVING EYES EYELASHES, MOHAIR WIG, WALTER HAUSER BODY, SHOULDER, ELBOW, WRIST, HIP, KNEE JOINTS

Bisque turning head, moving eyes with lashes; open mouth showing teeth, side parted curl wig, Walter Hauser body, with wood arms and limbs, shoulder, elbow, wrist hip and knee jointed, lace trim white chemise; removable socks and slippers each in box

		Doz.
GT358½—Length 16½ ins.		9.50
GT359—Length 17¼ ins.		12.00
GT360—Length 18¼ ins.		15.00
GT361—Length 19¼ ins.		16.50
GT363—Length 22 ins.		18.00
GT364—Length 23¼ ins.		21.00

BISQUE HEAD, MOVING EYES EYELASHES, MOHAIR WIG, SHOULDER, ELBOW, WRIST, HIP AND KNEE JOINTED

Bisque turning head, sleeping eyes with eye lashes, open mouth showing teeth; side parted mohair wig; flesh tinted full composition body; ball socket shoulder, elbow wrist, hip and knee jointed; white lawn slip removable socks and slippers; each in box

		Each
GT366—Length 24¾ ins.		2.00
GT367—Length 25½ ins		2.50
GT368—Length 26¾ ins		2.75
GT369—Length 27½ ins		3.00
GT370—Length 29½ ins		3.50

"HANDWERK" DOLLS EXTRA FINE

MOVING EYES; EYE LASHES

Bisque head, moving eyes, with lashes open mouth showing teeth; parted, sewed natural hair wig, double ringlet curls; composition body, wood arms and limbs extra quality mat finish; shoulder, elbow, wrist, hip and knee jointed; embroided yoke chemise; each in box.

		Dozen
GT376—Length 18 ins.		24.00
GT379—Length 21¼ ins.		33.00
GT381—Length 23½ ins.		39.00
GT383—Length 25⅝ ins.		42.00
GT384—Length 27½ ins.		54.00
GT386—Length 30 ins.		66.00

		Each
GT390—Length 33¼ ins.		8.00
GT391—Length 38½ ins.		11.00
GT392—Length 41¼ ins.		14.00

BISQUE DOLLS

DRESSED CHINA DOLLS

T1026—Jointed arm; embossed painted hair and hat; lawn dress with belt; height 3 ins.; 2 dozen in box. Doz. 48

T1027—Same as T1026, larger; height 4 ins.; 1 dozen in box. Dozen ..... .79

DRESSED BISQUE DOLLS

T1030—Jointed arms, nicely dressed; painted features and shoes; height 3 ins.; ½ dozen in display box. Dozen . 2.10

Jointed arms and limbs

T1047—Fine girl doll; bisque; shoulder and hip jointed; embossed flowing hair painted with rosette; painted features and shoes; height 4 ins.; 1 dozen in box. Dozen .... .48

T1048—Same as T1047, larger, height 4½ ins.; 1 dozen in box Dozen ..... .45

T1049—Same as T1047, larger, height 5¾ ins.; 1 dozen in box. Dozen ....

T1035—Bisque doll, jointed arms and limbs, painted features, shoes and stockings; long straight hair wig; length 3½ ins.; 2 dozen in box. Dozen .. .. .. .42

Full jointed, moving eyes with hair.

GT27—Full bisque, shoulder and hip jointed; moving eyes, curly wig; painted shoes and stockings; height 4¼ ins.; ½ dozen in box. Dozen 2.00

GT28—Same as GT27, larger; height 5½ ins.; ½ dozen in box. Dozen 3.85

GT29 — Same as GT27 larger; height 6 ins., ¼ dozen in box Dozen 4.25

GT31 — Same as GT27, larger; height 6½ ins.; 1-6 dozen in box. Dozen 4.25

KEWPIE DOLLS

T1016—Jointed arms; nicely modeled; standing; height 6½ ins., each in box Dozen 4.00

T1028 — Jointed arm bisque doll, with assorted knit silk skirt and shoulder straps; height 3½ ins.; 1 dozen in box. Dozen ..... .85

CELLULOID DOLLS

T1151—Standing celluloid doll; pink tint; military cap, belt and sword in colors; height 3½ ins.; 1 doz. in box Dozen ..... .72

T1163—Flesh tinted soldier boy; fez cap; gilt tassel, breast strap, belt and sword, fancy silver and gilt necklace; length 4 ins.; 1 dozen in box. Dozen ..... .79

T1152—"Bobby;" standing; embossed hair; painted features, assorted bright color, coat, trousers, and tie; black shoes; length 3¾ ins.; 1 dozen in box. Dozen ..... .72

T1207 — Dutch boy; finely modeled and finished in bright colors; height 6 ins.; 1 dozen in box. Dozen 1.25

T1202—Finely modeled girl doll; with umbrella, yellow skirt, red coat, green hood, painted features and shoes; length 5 ins.; ½ dozen in box. Dozen 2.25

T1222—Extra fine standing boy doll; flesh tint, embossed hair, good features; green costume, red trousers, black slippers, gilt trim; holding camera; height 7 ins., 1 doz. in box. Doz.. 8.75

STATIONARY ARMS, MOVING HEAD

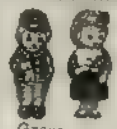
T1161 — Baby doll; flesh tint; embossed hair, painted features; holding nursing bottle; jointed turning head; length 4 ins.; 1 doz. in box. Dozen .... .72

CELLULOID KEWPIE DOLLS

With lapel pin.

T1115—Natural tinted celluloid kewpie doll; with pin back for attaching to coat lapel; height 1 in.; 1 gross in box. Gross .75

ASSORTED PENNY DOLLS



T1186—About 12 styles assorted, boy and girl dolls; nicely dressed in bright colors; 1½ ins. high; 1 gross in box. Gross 1.00

JOINTED ARMS

T1159 — Flesh tinted celluloid girl doll; marcel wave hair, pink bathing costume; jointed arms; height 3 ins.; 3 dozen in box. Dozen ..... .40

T1118—Celluloid kewpie; natural flesh tint; jointed arms; length 3 ins.; 6 dozen in box. Dozen ..... .43

T1119—Same as T1118, larger; length 4½ ins.; 2 dozen in box. Dozen ..... .82

T1186 — Flesh tinted celluloid girl doll; embossed hair, painted features, hair bow, red bathing suit with gilt straps and floral bows; jointed arms and limbs; length 3 ins.; 1 dozen in box. Dozen.. .42

T1093 — Embossed hair; shoulder and hip jointed; painted features, height 3½ ins.; 3 dozen in box. Dozen ..... .40

T1094—Height 4½ ins.; 2 dozen in box. Dozen .... .80

T1096—Height 7 ins.; 1 dozen in box. Dozen 2.10

T1098—Height 8½ ins.; ½ dozen in box. Dozen 4.25

T1177 — 5 pieces, bride, groom and preacher, all in reflulation bridal costumes; round base for standing, height 2½ ins.; each set in box. Dozen boxes 2.00

T1178—Same as T1177, larger; height 3½ ins.; each set in box. Dozen boxes 4.25

You are sure to lose a whole lot of the early Holiday business if you do not have the goods on display; order today.

MISCELLANEOUS DOLLS

SQUEEZE DOLL

T1752—Celluloid head dressed doll with bellows; when pressed down crys, height 5½ ins.; 1 dozen in box. Dozen ..... .79

T1788 — White plush bear; glass eyes; clown hat, ruffled neck piece, nickeled bell, ribbon bow; height 8 ins.; each in box. Dozen 9.00

RATTLE DOLLS

T1828 — Composition head, painted features, jointed arms; green felt costume, yellow collar, belt and shoes; height 9½ ins.; 1 dozen in box. Dozen 2.15

T1829—Same as T1828, larger; blue costume; height 12 ins., 1 dozen in box. Dozen 4.00

T1789—White plush doll; jointed arms; celluloid face, painted features; ruffled neck and wrist pieces; felt shoes; nickeled bell, ribbon bow; height 10 ins.; each in box. Dozen . . 9.00

MUSICAL DOLLS

T1779—Standing; celluloid face; flannel costume, with hood; lace trim; composition hands; when any part of body is squeezed cries; Height 9½ ins.; 1 dozen in box. Dozen 8.95

GT409—Full composition; bisque turning head; moving eyes; jointed arms and limbs; green sweater, trousers, cap and shoes; height 11½ ins.; each in box. Dozen 8.75

GT410 — Same as GT409, larger; height 13 ins.; each in box. Dozen 12.00

IMPORTED DRESSED "MAMA" DOLLS

Something new; extra good quality voice; dresses with hooks and eyes, for dressing and undressing

GT593—Composition body, arms and limbs; fine turning bisque head; shoulder, elbow, hip and knee jointed; side parted curly wig; sleeping eyes; open mouth, extra fine natural "mama" voice; medium dresses fitted with hooks and eyes so child can dress and undress; lace trim; bonnets to match; bloomers and undergarments, removable shoes and socks; height 18½ ins., each in lace trim box Each 2.00

POPCORN POPPERS

With Warmer.

In addition to popping corn, this popper keeps it hot. By including a peanut cylinder you have a combination roaster, popper and warmer.

Warmer made of galvanized iron and painted; glass front and ends. One inch of asbestos under warmer prevents over heating. Equipped with shelf for butter pot, salt shaker and with tank for extra supply of butter.

This method surpasses the shaker or any other method of popping. It increases the yield and turns out larger, whiter and tastier corn, because there is no damage done to the popped corn by being over the fire until the popping is complete. With each revolution of the cylinder it is separated from the unpopped and ejected while the unpopped remains. Imperfectly popped grains go with the residue.

Capacity, 4 bushels popped corn per hour; capacity of warmer, 1 bushel. Height to top of warmer, 40 inches; width 26 inches, depth 13 inches; size warmer, 10x13x8 inches.

For hand or steam power. If steam power is used, 11 inch pulley attached.

Hand.

	Each
No. 345—For gasoline	✣$210 00
No. 347—For gas	✣ 156 00

Power.

With 11 inch pulley attached.

	Each
No. 346—For gasoline	✣$225 00
No. 348—For gas	✣ 183 00

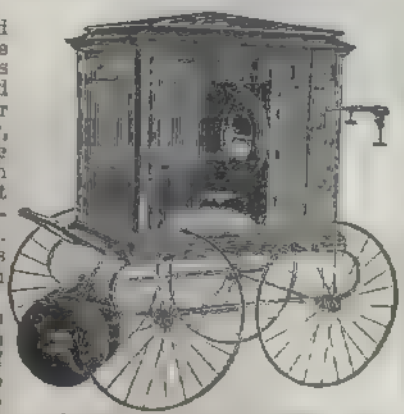
One in crate; wt each about 88 lbs.

Peanut Cylinder.

For above poppers. Can be interchanged with popcorn cylinder in a few seconds.

	Each
No. 2PC—Capacity 2 pecks	✣$33 00

COMBINATION PEANUT ROASTERS AND POPCORN POPPERS



Double oak case and frame, with double strength glass. Case has display shelf. Furnished with a peanut cylinder and a popcorn cylinder, either of which can be removed or replaced in a few seconds. Heat from popper keeps contents of case warm. Mounted on steel wheels and is equipped with torch for illumination.

Capacity of popcorn cylinder, 8 quarts each four minutes; capacity of peanut cylinder two pecks each twenty five or thirty minutes; capacity of popcorn case, 8 pecks; capacity of display shelf, 14 sacks. Height to top of base, 64½ inches; length over all, including wheels, 61 inches; width, including wheels, 35½ inches.

	Each
No. 62—For gasoline	✣$540 00

One in crate; wt each about 260 lbs.

✣F. O. B. Ohio Factory Only.

COMBINATION POPCORN POPPERS AND PEANUT ROASTERS

KINGERY

Continuous Corn Popper With Butter Coater And Peanut Roaster.

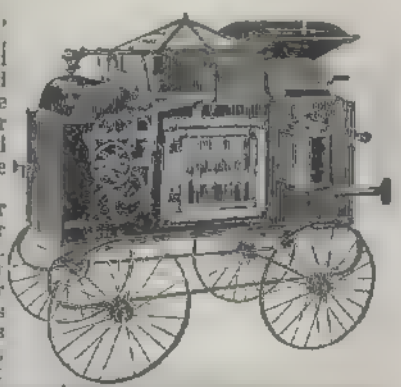
Cabinet of metal construction body and case made in one piece of heavy furniture steel with all joints securely welded; outside finished in mahogany, inside gray enameled. Metal doors and window frames with bevel plate glass, nickel plated decorations and finish of the visible mechanism impart the right touch and add to the attractiveness of machine. Equipped with flash type electric sign flashing on and off at regular intervals. Corn popper designed that it may be operated independently of the butter coater, allowing an accumulation of corn permitting operator to prepare it specially for each customer.

Capacity of hopper 12 pounds; pop corn case 1 bushel; butter tank ½ pound; corn popper 16 to 40 quarts per hour; peanut roaster ½ bushel; peanut warmer 1 bushel.

Note—Operates on A. C. or D. C. 110 to 115 volts. When ordering state whether for A. C. or D. C. if alternating current give number of cycles.

	Each
No. 994—Floor space required 29x30 ins.	✣$1875 00

Crated, set up; shipping wt each 750 lbs.



Constructed of steel, cast iron galvanized iron, copper, nickel silver and glass. No wood used except for holding the glass in the nickel silver frames at side of case and top of warmer, where the heat does not affect it.

The peanut cylinder is run by spring power and the popper by hand. Warmer made of copper and heated by hot water and steam from pipes leading to the burners under peanut cylinder, and so constructed that the nuts can get almost heat, a very important feature.

The nuts can be tossed without stopping the cylinder. When roasting is completed the nuts are dumped into the warmer by a swinging frame, whereon the cylinder is lifted and the contents emptied. The popped corn rolls from the popper into the case. Equipped with a torch for illumination and a gong all attached under machine, which by pulling a chain, attracts attention of the people.

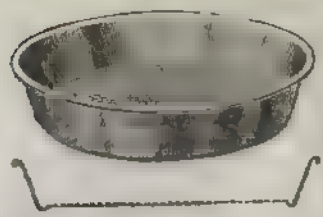
Capacity of peanut cylinder, 10 quarts per roasting; capacity of warmer 3 pecks; capacity of popper, 4 bushels of popped corn per hour; capacity of popcorn case, 2 bushels of popped corn; height 51 ins; height to top of tank 64 ins; length, including wheels, 52 ins; width, including wheels, 27 ins.

	Each
No. 95—For gasoline	✣$624 00

One in crate; wt each about 325 lbs.

✣F. O. B. Ohio Factory Only.

SIEVES



CHAMPION

Flour. Stamped from one piece IC tin, raised, perforated bottom; 7 meshes to inch; rolled edge.

Nos.	1	2
Diam, ins	10	12⅜
Depth, ins	2½	2¾
Wt per doz, lbs	3	5
Per Doz	$3 30	3 96

One doz in carton.

FLOUR SIFTERS

UTILITY

IC tin; double seamed; flat steel handle; retinned and riveted.

Wired top and bottom rim; stationary wire bottom; removable wire scraper; with black enameled wood knob.

Can be used either as flour sifter or strainer.

Per Doz

No. 6—Capacity 3 pts; diam top 6½ ins, height 4 ins.. $5 10

Packed loose; wt per doz 5 lbs.

—BLUE GRASS—

Rotary. IXXX charcoal tin, double seamed, beaded body, buffed and polished. Heavy tinned wire sifter; used for fruits, juices, etc., as well as flour. Extra heavy spring agitator with black enameled wood knob. Handle substantially riveted to body with four rivets and a heavy wood grip comfortably fits the hand.

Per Doz

No. B69—Capacity 3 pts; diam 5 ins; height 6½ ins. $12 00

One doz in carton, each wrapped; wt per doz 15 lbs.

—BLUE RIBBON—

Rotary. IX bright tin, double seamed, beaded body highly polished. Tinned wire bottom; steel wire scraper handle, having black enameled wood knob; end crank.

Per Doz

No. 90—Capacity 3 pts; diam 5 ins; depth 6½ ins. . $7 65

(Sold in full carton lots only.)

One doz in carton, each wrapped; wt per doz 15 lbs.

FLOUR SIFTERS

Rotary. IC tin, double seamed, beaded body, polished. Steel wire scraper handle with black enameled wood knob, braced round tin handle with removable cap; removable scraper.

Per Doz

No. 10—Capacity 3 pts; diam 5 ins; depth 6½ ins.....$5 55

(Sold in full dozen lots only.)

One doz in box; wt per doz 13 lbs.

HUNTER'S

Rotary. IC tin, double seamed; beaded body, polished. Steel wire scraper handle with black enameled wood knob; braced round tin handle with removable cap; removable scraper.

Capacity 3 pints; diameter 5 inches; depth 6½ inches.

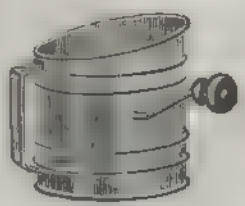
Per Doz

No. 94—Genuine Hunter; wt per doz 13 lbs. . . . $6 75

No. 9—Imitation Hunter; wt per doz 10 lbs. . . 5 55

(Sold in full carton lots only.)

One doz in box.



ONE CUP

Rotary. 1C tin, seamed; beaded body; steel wire scraper handle with black enameled wood knob; flat handle soldered.

Per Doz

No. 15—Capacity 1 cup; diam 4½ ins; height 3½ ins.....$4 80

One gro in carton; wt per doz about 8 lbs.

SAVORY

One Hand Sifter.

IXX charcoal tin, seamed; beaded body; brass wire cloth clinched in bottom. Mahogany finish wood handle operates the heavy tinned wire agitator when sifter is shaken lightly.

Per Doz

No. 30—Capacity 3 pts; diam 5 in; depth 6½ ins.... $10 50

One doz in carton; wt per doz 9 lbs.

LIGHTING SWITCHES

Type "N" Primarily for Lighting, as Pulling Out the Button Closes an Individual Circuit and Pushing it in Opens the Circuit. Multiple Gang Switches have a Common Bus Bar for the Battery Wires.

Each

No. 541—Single Gang..... 18c
No. 542—Two Gang 36c
No. 543—Three Gang 54c

New Sparton Motor Horn "SOS"

Buy This

Brand New

A Distinctive Note that Cuts Through Traffic Rumble. Sparton Construction Electrically Operated Straight Round Projector. Black Satin Finish

No. SOS—List $19.50 Each ..... { Single Lots, ... $13.00 / $90.00 Lst and Over 12.29 / $75.00 Lst and Over 11.70

One in a Box; One Dozen in a Case.

AUTOMOBILE CHAIRS

Strong, All - Steel Folding Chair for use in Camp Automobile and Motor Boat Rounded Corners. Comfortable Seat and Curved Back Back Folds Over Seat and Legs Fold Together Black Enamel Finish,

Each

No. 122—Small Size for Children $1.79
No. 162—Large Size for Adults.. 2.05

MILWAUKEE TIMER

For Ford Cars

The Famous Milwaukee Timer Now Has a Bakelite Sheel Absolutely "Short-Proof."

Bone-dry Egyptian Fiber Racer is Pressed to a Tight Fit in the Bakelite Case, Remains Smooth for Thousands of Miles. Fine Steel. Contact Points, with Welded Stems Lock in Position. Extra Thick Throughout.

The "50" Deal

Each

On Single Shipment, 50 Timers, Price, Per Timer..... $1.21
Including, FREE, 1 display stand and 125 three-color descriptive booklets imprinted for dealer.

The "25" Deal

Each

On Single Shipment, 25 Timers. Price, Per Timer..... $1.28
Including, FREE, 1 display stand and 75 three-color descriptive booklets imprinted for dealer.

FRONT SPRINGS FOR FORDS

High Quality. Carefully Made with Reamed Eyes and of Good Weight.

Each

Front Springs for Fords..... $1.26

ELECTRIC TAIL LIGHT

One Piece Heavy Body with 3 Inch Removable Semaphore, Single Contact without Plug. Special Bolt Type Prop for Attaching to License Bracket of Ford Cars.

Each

No. 49JSC— 38c

One in a Carton

CRANK BOOTS

Crank Boots WillStopAnnoying Rattle of the Crank and Keep it Clean.

Each

No. 25 For Ford Cars { 1 to 49 ... $ 19 / Lots of 50 . .18 / Lots of 100 . .16

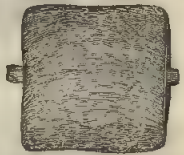
"ALLKLEAN" AUTO BODY AND FURNITURE POLISH

Cleans and Polishes Automobiles, Furniture, Pianos, Painted and Polished Surfaces. Removes Grease and Tar. Dry, Lustrous Finish.

Per Dozen

No. 1F—One Pint Bottles $4 20
No. 1C—One Gallon Jugs. Each $2 50

KUMFY CUSHION

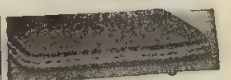


For the Automobile or Canoe

Made of Fabrikoid, Filled with Kapok. Fifteen Inches Square, with Two Handles on Opposite Sides. Welted and Buttoned. Each

No. 175—Black Only..... $1.25
No. 177— Brown Only 1.30

Cocoa Fibre Mats



Fits any running board, held in place by strong steel springs, made of extra tough cocoa fibre. Size, 8 x 14 inches.

No. 8 .. ..Each 57c.

CARBURETOR FOR FORDS

Kingston

Gives More Miles per Gallon of Gasoline. Much More Power on Long Steep Hills, More Pep and Quicker Getaway, and Instant Starting in Any Weather Results Made Possible by a Novel Type Compensating Spray Nozzle Which Involves New Principle.

The Moving Parts, Such as Float, Float Valve and Air Valve are of New Design and Will Outlast Any Motor. Can be Installed Inja Few Minutes.

Each

Model L4 — Without Fuel Strainer { Single Lots $3.38 / 6 to 11..... 3.15

CARBURETOR FOR FORDS

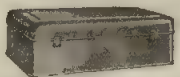
Holley

Exceptionally Economical Air Passage so Designed that the Cold Fuel is Lifted Off the Nozzle into the Main Air Stream, Insuring Ease in Starting. Inlet Needle Seat is Detachable. Driver Can Accelerate His Car from Idle to Maximum in a Few Seconds Without Change of Needle Valve Adjustment. Inlet Needle Made from Special Alloy and Metal Float.

Each

No. N. H. { Single Lots.....$3.38 / 12 or More..... .. 3.15

Tool Boxes with Yale Lock



Size, 22 x 9 x 7½ Ins. Gun Metal Finish. With Yale Lock. Lid, 18 Gauge, Body 22 Gauge Sheet Steel.

No. 105 - - $1.55 Each

Six in a Box.

VALVE GRINDING COMPOUND

"Pep"

A Quick Cutting Compound that Grinds Valve in 30 Seconds to 1 Minute. Water Mixed. In Friction Top Cans.

Per Can

No. 4—4 Ounces { 1 to 11..... 34c / 12 or More.....30

ANOTHER EUROPEAN THRILLER

KIRKELLO TRIO

HIGH PEDESTAL AND BOUNDING TABLE SPECIALISTS

STARTLING NOVELTY FEATS NEVER BEFORE WITNESSED

An Astounding Series of Continuous Somersaulting To and From Table, To Chair and Hands—The Lady Hercules.

EVERY ACT IN THIS CATALOG CONTROLLED EXCLUSIVELY BY WORLD AMUSEMENT SERVICE ASSOCIATION, Inc.

"SERVICE and SATISFACTION"

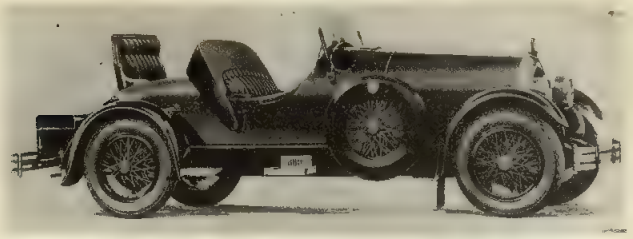
ESSENCE OF THE DANCE CRAZE

LENORA'S ENGLISH STEPPERS

Grace De Carlton and Albert Dewberry, Principals

The Tremendous Demand for Terpsichorean Art Results In Offering You This Famed Dancing Ballet.

These Unequalled Syncopated Steppers Present the World's Latest.



Kissel 4-passenger speedster

New Kissel Model Appears

KISSEL announces a new 4-passenger Speedster. In appearance this new Speedster is identical with the two-passenger Speedster except that the cover of the turtle-back deck which is built much wider can be swung back and made to form a rear seat. This rear seat which provides seating capacity for two additional people is quite comfortable. Extension of the dickey seat tunnel forward provides ample leg room.

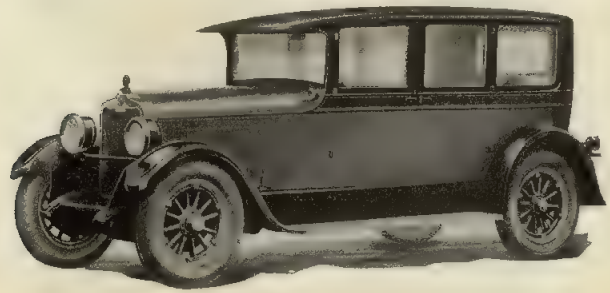
This new car has just made its appearance and is furnished with either a six or eight-cylinder chassis in both the deluxe and standard types.

The same idea is being carried out in the design of the Kissel Enclosed Speedster which can also be furnished if desired with the extra seat for two under the deck, the same as in its open prototype.

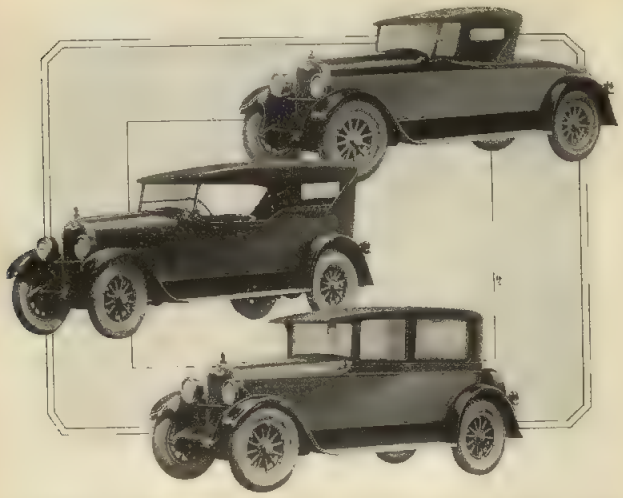
Peerless Six Body Lines Same as Eight

CHANGES in the design of the radiator hood and cowl lines have been made on the Peerless six-cylinder chassis, it was announced recently by the Peerless Motor Car Company. The appearance of the six-cylinder chassis, now known as Model 72, is similar to the "Equipoised 8" model introduced seven months ago. Other than a few minor refinements in the engine and chassis, no changes have been made.

Extending the tops over the windshields, obviating the necessity for separate sun visors and the employing of a double line of belt molding adds to the appearance of the length of the closed models. A large variety of two-tone color combinations are



New Peerless 7-passenger sedan



Top: Sport roadster which is mounted on the 133 inch wheelbase chassis. Center: Seven-passenger phaeton. A 5-passenger phaeton is available on the shorter chassis. Bottom: The 5-passenger coupe. Note that bodies on 6 and 8 cylinder chassis are practically identical.

available to choose from. As before, the chassis come in 126 and 133 in. wheelbase.

A new sport roadster selling at $2285 and $50 less than the former 2-passenger model has been included in the line. In addition to the wide 3-passenger driving seat, a comfortable folding seat located in the sweeping deck provides ample space for two extra passengers. Through a door on the right side of the deck, bags, luggage and golf clubs may be stowed away under lock and key.

The roadster and 7-passenger models are mounted on the 133 in. wheelbase chassis and the remaining body styles are carried on the 126 in. wheelbase chassis.

Lincoln Adds Open Sport Body to Its Line

A sport touring car, duplicate of the type displayed in the Lincoln exhibit at the Automobile Salon, held early in the year in Chicago, has been added to the Lincoln line. Introduction of this new body comes as the result of the popularity which it attained at the show and the numerous orders coming in for it since that time.

Paint is in lively colors with striped moulding which accentuates the long, sweeping lines of the car. The upholstery is of a special leather done in plain paneled effect to harmonize. Fender well forward for spare tires, front bumper and rear fender guards, windshield wings, folding trunk rack and nickeled windshield frame comprise standard equipment for this body type. The top, made of special material over mahogany bows, with nickel trimming, when not up, may be folded back unusually flat and fitted into a top boot of the same material.

Ford Retail Sales

Retail sales of Ford cars and trucks for April totaled 205,580, of which 187,144 were sold in the United States. The April sale in the United States represents an increase of 33,215 over March. Enrollments under the Ford weekly purchase plan during April were 34,188, an average of about 1,300 daily, and an increase over March enrollments of 7,362.

HIGH GRADE KITCHEN CABINETS

Wonder Combinations Of Strength and Beauty

1. Genuine INDIANA oak—Northern built.
2. All joints mortised and tenoned—will not sag or pull apart.
3. Every door and drawer finished inside; dust lip construction.
4. High grade refrigerator style hardware with mirror finish pulls.
5. Three-ply panel backs—strong and dust tight, do not check or warp.
6. Full rounded corners and edges entirely free from faulty workmanship.

NOTICE! Express and steamship companies require furniture boxed or crated therefore we must make extra charge for crating all furniture not already crated when ordered to be shipped by express or steamship.

"OUR LEADER—Nickeloid

SIZE—68 in. high, base 35x42 in.

FEATURES Stationary nickeloid top, one drawer, metal cake and bread box with ventilated sliding top, sifting flour bin with sifter

EQUIPMENT—Small shelf for spice jars, etc.

P2670—Golden gloss finish. Crated, 175 lbs. Each **$17.50**

"LIBERTY"—Porcelain Top

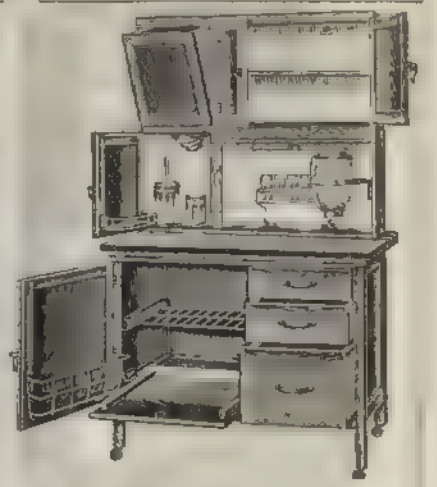
SIZE—70 in. high, base 35x42 in.

FEATURES Genuine porcelain sliding top, lowering flour bin with sifter, two drawers, metal cake and bread box with ventilated sliding top, sugar jar on swinging steel hanger, sifting tray and sliding wire shelf, pan rack, [illegible]

EQUIPMENT Complete set of 5 spice jars, 1 tea and 1 coffee container, crystal glass sugar jar on swinging steel hanger

P2671—Golden gloss finish, white enameled upper inside. Crated, 250 lbs. Each **$23.85**

P2672—White enamel inside and outside. Crated, 250 lbs. Each **25.65**



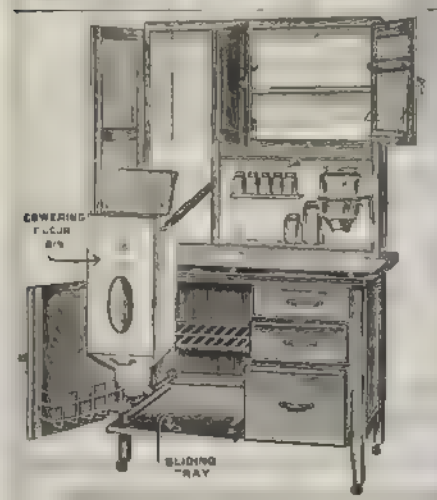
"PURITAN"—Porcelain Top

SIZE—70 in. high, base 35x42 in.

FEATURES Genuine porcelain sliding top, lifting metal flour bin with sifter, two drawers, metal cake and bread box with ventilated sliding top, sugar jar on swinging steel hanger, sifting tray and sliding wire shelf, pan rack

EQUIPMENT Complete set of 5 spice jars, 1 tea and 1 coffee jar, crystal glass sugar jar on swinging steel hanger

P2673—Golden gloss finish, white enameled upper inside. Crated, 250 lbs. Each **$28.50**



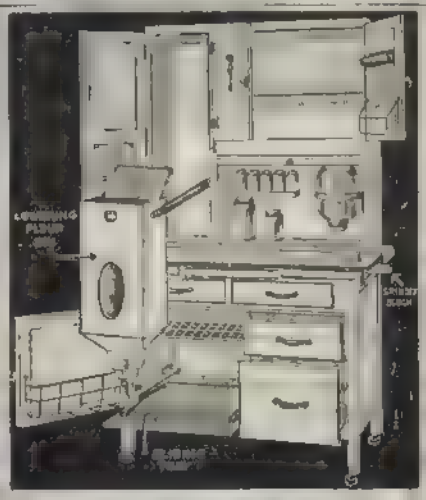
"PRINCESS"—Porcelain Top

SIZE—72 in. high, base 35x42 in.

FEATURES Genuine porcelain sliding top, lowering flour bin with sifter, two drawers, metal cake and bread box with ventilated sliding top, drop roll curtain front, sliding tray and sliding wire shelf, pan rack

EQUIPMENT Complete set of 5 spice jars, 1 tea and 1 coffee container, crystal glass sugar jar on swinging steel hanger

P2674—Golden gloss finish, white enameled upper inside. Crated, 250 lbs. Each **$31.50**



"DE LUXE"—Porcelain Top

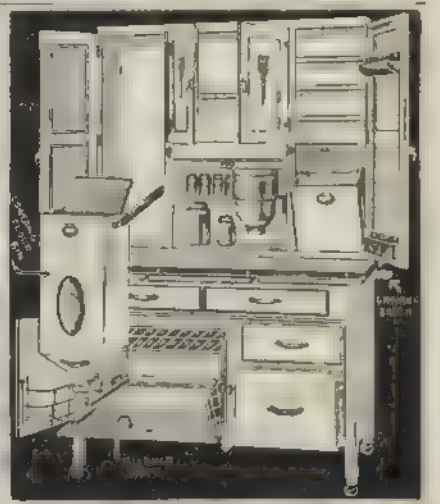
SIZE—72 in. high, base 35x42 in.

FEATURES Genuine porcelain sliding top, lowering flour bin with sifter, 2 drawers, sliding drawer under top, metal cake and bread box with ventilated sliding top, drop roll curtain front, sliding tray and sliding wire shelf, pan rack, [illegible]

EQUIPMENT Complete set of 5 spice jars, 1 tea and 1 coffee container, crystal glass sugar jar on swinging steel hanger

P2675—Golden gloss finish, white enameled upper inside. Crated, 250 lbs. Each **$37.50**

P2676—White enameled inside and outside. Crated, 250 lbs. Each **$42.50**



"AMAZON"—Porcelain Top

SIZE—72 in. high, base 35x42 in.

FEATURES Genuine porcelain sliding top, lowering flour bin with sifter, 3 drawers, 2 with sliders, drop roll curtain front, sliding tray and sliding wire shelf, pan rack, 2 drawers at top, 1 under, all [illegible] easy to reach, 1 other drawer, metal cake and bread box with ventilated sliding top, [illegible]

EQUIPMENT Complete set of 5 spice jars, 1 tea and 1 coffee container, crystal glass sugar jar on swinging steel hanger, [illegible]

P2677—Golden gloss finish, white enameled upper inside. Crated, 300 lbs. Each **$45.00**

P2678—White enameled inside and outside. Crated, 300 lbs. Each **$49.75**

"UTILITY" Porcelain Top

SIZE—[illegible] in. high, [illegible] in. base

FEATURES Genuine porcelain sliding top, [illegible] with [illegible] for [illegible] and [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]

EQUIPMENT [illegible] [illegible] [illegible] [illegible] [illegible]

ICE PALACE 6 WALL ICE PALACE

WHITE ENAMELED GALVANIZED STEEL LINED

Made in Grand Rapids in America's Largest Refrigerator Factory

Selected materials used throughout, have perfect insulation, constructed according to the best established principles of refrigeration. Waterproof paper linings and patent construction keep the "ICE PALACE" dry.

TOP ICING STYLE
With ONE Shelf

	Ice cap lbs	Size	Crated lbs	Each
P2070—	20	19x18x37	80.	$8.95

With TWO Shelves

	Ice cap lbs	Size	Crated lbs	Each
P2072	40	22½x16x41	115.	$14.25
P2073	55	24½x17⅝x43¾	140.	18.50

Patented Waste Trap

Made of solid copper and nickel plated. Makes perfect water seal against unpleasant odors, drains provision chamber of anything spilled into it and carries off surplus water after washing; chamber easily removed from inside of provision chambers for cleaning.

Sizes given on refrigerators beside width and depth and height are extreme outside figures.

10 BIG ICE PALACE SELLING FEATURES

1—Six wall construction.
2—Galvanized steel lined.
3—Provision chambers finished with three coats of white enamel.
4—Double tinned heavy wire shelves.
5—Baseboard lifts up.
6—Faultless top bearing casters.
7—Nickel plated brass locks and hinges.
8—Solid ash fronts and tops with rounded corners.
9—Insulated with waterproof paper and wool felt.
10—Patented removable improved waste pipe and trap.

FRONT ICING STYLE
With TWO Shelves

	Ice cap. lbs	Size	Crated lbs	Each
P2115—100		29¼x18½x48	187.	$26.25

The ice chambers in P2115 (above) and P2119 (right) will take—in one piece—a standard 100 lb. cake of artificial ice.

SIDE ICING STYLE
With THREE Shelves

	Ice cap	Size	Crated	Each
P2148—	45 lbs	27 x16½ x40	140 lbs.	$15.45
P2089—	55 "	28 x17 x41¾	145 "	Out
P2143—	65 "	31½x17⅝x42	170 "	21.50
P2100—	85 "	31½x18½x43½	185 "	23.75

With FOUR Shelves

	Ice cap.	Size	Crated	Each
P2113—	100 lbs.	33½x20¾x45	210 lbs.	$28.75
P2118—	125 "	36 x21 x50	238 "	33.50

SEND for our illustrated booklet showing complete line of Grocers', Restaurant, Hotel and Club Refrigerators. Shipped direct from factory F. O. B. Grand Rapids, Michigan. Market's Lowest Prices.

IMPERIAL One Piece Porcelain Lined 6 WALL

One-piece Seamless GRAY Porcelain Lined

Made in Grand Rapids in America's Largest Refrigerator Factory

Ice compartment galvanized steel lined, not enameled. Ash fronts and tops with round corners, golden oak finish, insulated with waterproof paper and wool felt, nickel plated brass locks and hinges, faultless top bearing casters.

Patented Waste Trap

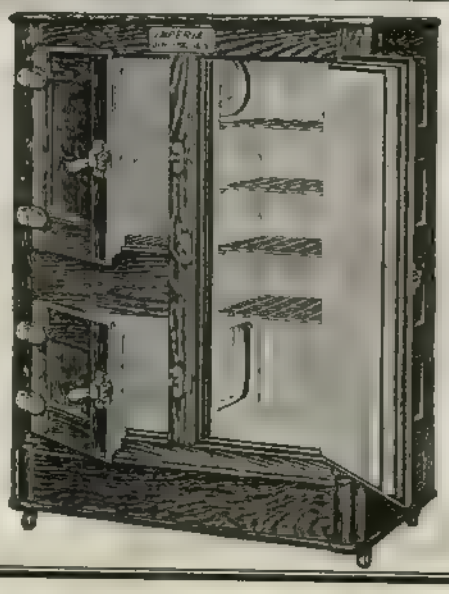
Made of solid copper and nickel plated. Makes perfect water seal against unpleasant odors, drains provision chamber of anything spilled into it and carries off surplus water after washing; chamber easily removed from inside of provision chamber for cleaning.

SIDE ICING STYLE
Four Shelves

	Ice cap.	Size	Crated	Each
P2515—	70 lbs.	32½x18 x44½	232 lbs	$35.00
P2516—	100 "	34½x21x47	285 "	42.66
P2517	125 "	35 x21½x51¼	305 "	47.50

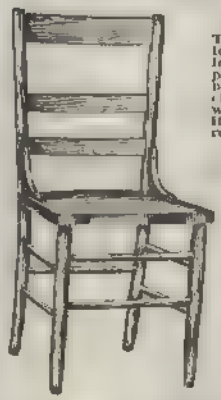
The ice chamber of P2517 (above) is designed to take—in one piece—a standard 100 lb. cake of artificial ice.

Mechanical Refrigeration can be installed in any "Imperial" Refrigerator.



BARGAINS

Solid Oak Diner



Think of it! This strong good looking chair at less than you now pay for common bow back kitchen chairs. What a whale of a value it is as a $2.00 retailer!

Golden finish

P0— Long steam bent back posts, brace arms, doweled stretchers front and sides smoothly finished ... Packed 6 to bdl., wt per doz 150 lbs. Doz **$15.95**

Solid Oak Diner

A fine looking chair at a price lower than you would expect to pay.

Steam Bent Back Posts

Steam bent back posts, fly box seat, oak finish, about 17 in high, shipped set up. 2 in bdl., 25 lbs.

P8084—Golden finish
P8085—Fumed finish Doz **27.00**

Wonder Rocker

The most comfortable rocker in 5 years at this price.

P6452—This fine large sized rocker is of heavy square stock, has a saddle seat 15 x 21 inches, is arm rest roll, 6 inches wide. Shipped set up (to save freight) Each **$3.65**

Carton of 2 Each **3.45**

Radio Table-Cabinet

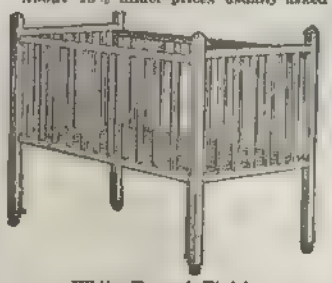
American Walnut Finish

Radio owners take to this table like a duck to water. You'll profit by featuring it.

P1352—Top, front and sides selected solid walnut veneers on gum. Top with book ends, is 48 in. long, 19 in. wide, 29 in. high. Drop end shelf 15 x 16 in., finished, supported by strong metal braces. Tool box at back of top door. Compartment for A and B batteries and charger. Crated 5 cu. ft. Each **$17.50**

Bargain Price On Crib and Pad

About 15% under prices usually asked



White Enamel Finish

Crib—Hardwood, 1½ in. square posts, 48 in high, one 20 in. drop side, link fabric spring, hard maple casters, 1 in. cmnc. 60 lbs.

P5280—28x50 in. ... Each **$5.95**

Cotton Pad

Pad—Pure cotton felt filling, round corners, good grade floral art ticking, four quilted.

P7—For 28x50 in. cribs, 11 lbs. Each **$2.85**

Genuine INDIANA Oak KITCHEN CABINET

Porcelain Top

$12.

P[illegible] Genuine porcelain sliding top, 11 ang[illegible] base unit with cutlery two drawers, [illegible] and spice box with vertical sliding op[illegible] covers [illegible]

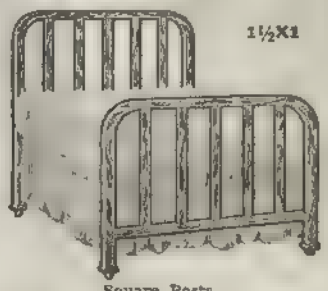
P[illegible] Complete set of 5 spice jars, 1 tea and [illegible] coffee canister, crystal glass sugar jar on stationary [illegible] stand.

P2871—Golden gloss finish, white enamel upper inside. Crated, 200 lbs. Each **$23.85**

P2872—White enameled inside and outside. Crated 200 lbs. Each **25.65**

Full Size Metal Bed

Not only under the market, but ready to ship today at this low price.



Square Posts

1-in. Continuous Posts. Head 50 in. high, foot 34 in. high, filling tubes 1¼ in. Locked cross rods 1x1 in. steel angle side rails. Rivers rails. Regular springs. If this style of rail. Extension wrapped about 60 lbs.

4 Ft. 6 in. Wide

P2565—Vernis Martin
P2566—Ivory black
P2567—American walnut ... Each **$8.95**

SEE THESE

P2713—Medicine Cabinet. Regular Ea 38.75)
Page 301 SPECIAL PRICE, Ea **$5.95**

P9601 Willow Nursery Chair. Regular, Ea $3.50
Page 301 SPECIAL PRICES, Ea **$1.65**
Doz **$16.20**

AND THESE

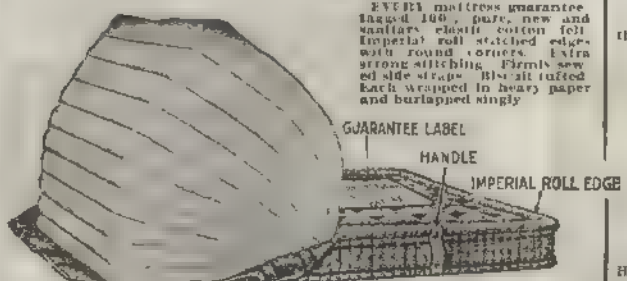
P6054—Solid Oak Desk. Regular $36.00)
Page 301 SPECIAL PRICE, Ea **$31.50**

P6819 Quartered Oak Revolving Chair (Regular, Ea $12.5)
Page 301 SPECIAL PRICE, Ea **$11.50**

P6817—Quartered Oak Arm Chair (Regular Ea $11.75)
Page 301 SPECIAL PRICE, Ea **$8.75**

"SLUMBERLAND" Our Best Cotton Felt Mattresses

EVERY mattress guaranteed, tagged 100% pure, new and sanitary, elastic cotton felt (imperial) roll stitched edges with round corners. Extra strong stitching. Firmly sewed side straps. Biscuit tufted. Each wrapped in heavy paper and burlapped singly.



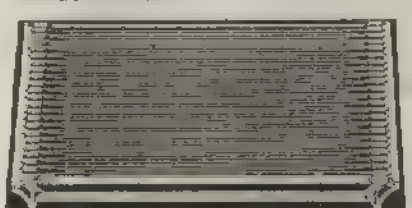
4 in. [illegible] covered with high grade sateen [illegible] and white floral art ticking, 4 rows of stitching on side panels, 3 in extra heavy cotton felt filling. Medium weight mattress.

P4926—For 3 ft. 0 in. beds, 40 lbs. Each **$16.75**
P4925—For 4 ft. 6 in. beds, 45 lbs. " **16.75**
P4923—For 5 ft. 0 in. beds, 50 lbs. " **17.75**

"Sagless" Cable Fabric Spring

8 Strand Piano Fabric

If you'll do us the favor of reading these specifications, you'll do yourself the favor of ordering generously



Heavy oil tempered helical springs, oval steel [illegible] gauge. Double malleable springs with 5 in. level on heavy [illegible] steel [illegible] fastened to frame at each end with [illegible] extra heavy helical springs. Finished in French gray baked-on enamel. About [illegible] lbs. For metal beds only.

P77—For 3 ft. 6 in. beds Each
P78—" 4 " " **$4.75**
P79—" 4 " 6 "

FURNITURE

POPULAR SELLING WOOD CHAIRS

Chairs pleasing to the eye and that stand hard use. Height above seats averages 19 in. Shipped set up unless otherwise stated.

NOTICE
Express steamship companies require furniture boxed or crated, therefore we must make extra charge for crating furniture not already crated when ordered to be shipped by express or steamship.

No.	Finish	Pkg.	Lbs.	Doz.
P8115	Varnished	½ doz.	55	13.50
P8801	Golden or White	½ doz.	55	15.00

Hardwood
Shaped seat, 16 in. slat, turned posts and spindles. ½ doz. in bundle. Packed 46 lbs.
P8116 Golden finish Doz **$16.95**

Hardwood
Saddle seat, braced back. ½ doz. in bdl., 50 lbs.
P8803—Golden finish.
Doz **$17.40**

Hardwood
Toe bolted arms, flat spindle back, extra wide shaped seat. ½ doz. in bdl., 60 lbs.
P8367—Golden oak finish.
Doz **$24.00**

Solid Oak
Full length T bolted braced back posts, braced back, extra wide saddle seat. ½ doz. in bdl., 25 lbs.
Doz
P8345—Fumed **$23.50**

Hardwood
Saddle seat, bolted arms, 4 spindle back, 4 stretchers. 2 in bdl., set up. 9 lbs.
P8101 White enameled Doz **$26.40**

Solid Oak
Steam bent back posts, double side stretchers, box saddle seat, 16 backs [illegible] to top seat. ½ doz. 25 lbs. [illegible] doz.
P8333 [illegible]
P8376—Fumed **$28.80**

Solid Oak
Solid oak [illegible] box saddle seat ½ doz. in bdl., 36 lbs.
Doz
P8082—Golden
P8085—Fumed **$27.00**

Solid Oak
Solid oak [illegible] seat, box back posts, shaped front legs, full box saddle seat. ½ doz. in bdl., 36 lbs.
Doz
P8378—Fumed
P8377—Golden **$32.00**

Solid Oak
Solid oak shaped top rail and banister steam bent back posts, genuine leather Spanish brown pad seat. ½ doz. in bdl., 38 lbs. Doz
P8087—Golden
P8088—Fumed **$33.00**

GENUINE LEATHER UPHOLSTERED SEAT DINERS

Steam bent posts full box slip seats, bolted and doweled. Backs 19 in. high, seats standard size. Shipped set up.

Solid Oak
Heavy frame genuine brown leather Spanish slip seat. 2 in bdl., 24 lbs.
Each
P8086 Golden
P8087 Fumed **$3.25**

Solid Oak
Heavy square frame, genuine leather Spanish brown upholstery. 2 in bdl., 24 lbs.
Each
P8370—Golden
P8372—Fumed **$3.75**

Quartered Oak
Heavy quartered oak, genuine leather Spanish brown upholstery. 2 in bdl., 32 lbs.
Each
P8085—Golden **$4.50**

Quartered Gum
American walnut finish, genuine leather Spanish blue upholstery
P8148—Diner. 2 in bdl. 88 lbs. Each **$3.95**
P8150—Arm Chair. 1 in bdl. 45 lbs. Each **$6.85**

American Walnut Veneer
Genuine leather, Spanish blue upholstery
P8094—Diner. 2 in crate, 47 lbs. Each **$7.00**
P8096—Arm chair. 1 in crate, 25 lbs. each **$11.50**

CHILDREN'S HIGH CHAIRS

Hardwood—Seat 14 in. large table. 2 in bundle 22 lbs.
P8805—Golden finish
Each **$2.15**

Hardwood—Seat 14 in. large table 2 in bundle, 21 lbs.
P8806—Golden finish
Each **$2.45**

Solid Oak—Seat 14 in. large table. 1 in bdl., 15 lbs.
P5145—Golden) Each
P5146—Fumed **$4.35**

Windsor design—Old ivory enameled large table. 1 in bdl., 14 lbs.
P7880 Blue trim
Each **$5.75**

CHILDREN'S ROCKERS

Hardwood—Seat 14 in., 2 in bundle 14 lbs.
P8807 Golden finish
Each **$2.15**

Hardwood—Bent arms, flat spindles, seat 14 in. 2 in bundle, 44 lbs.
P8808 Golden finish
Each **$2.50**

Solid Oak—Screwed heavy steam bent cane seat, coil spring seat 18x10 in. Imitation leather upholstery. Spanish brown. Crated, 1 in bdl., 12 lbs.
P8012 Golden
Each **$2.25**

Klein's Electricians' Linemen and Mechanics' Tools

Pole Supports

This construction is distinctly superior to the ordinary article. The uprights are 2x4 dressed on all sides. The joint where the uprights cross is gained and the joint reinforced by strong iron plates bolted through the uprights. The bottom has spiked iron shoes bolted through the uprights.

No. 4004-6. Size 6 feet. Price Ea. $9.25
No. 4004-7. Size 7 feet. Price Ea. 10.00
No. 4004-8. Size 8 feet. Price Ea. 11.00

"Staysalite" Linemen's Torch

Small and light in weight. Stays lit in the wind, burns alcohol without odor or noise. Can be used as a small heater for soldering iron.

Provided with a cup for holding soldering paste. To suspend the torch on a wire under a joint, place the wire in the slots on the upper edge of the rim, give the body of the torch a half turn in the opposite direction, and it is off. Drop it back in your belt by means of the hook.

Price each..... $5.00

Pay-Out Reel on Barrow

Constructed of hardwood and reinforced with steel plates. The barrow is supported by substantially made steel legs, side braced and bolted through the wood. Will stand hard usage. Guard pins are adjustable for 12, 18 and 24-inch coils. Weight, 80 pounds. Price each, $14.00

Extra heavy reel. Weight, 90 pounds. Price each..... $16.00

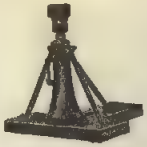
Improved Take-Up Reel

Showing How Cross Piece Can be Detached for Removing Coil of Wire

Constructed of oak throughout. Solidly built, securely bolted and riveted. Cross sections fully mortised and bolted. Sides are steel braced. Has separate guard base which slips over shaft and fastens with a flat key, allowing wire to be removed easily.

No. 4608-3. For 18-inch coil. Price each..... $20.00
No. 4608-4. For 21-inch coil. Price each..... 20.00

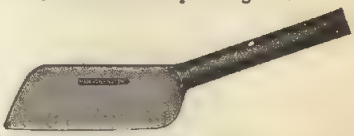
Cable Reel Jack



A pair of these jacks will support cable reels of any size while the cable is being run off. The forked head will hold a 2½-inch diameter shaft and will swivel to any position. The cable may be raised or lowered while it is supported on the jacks. The screw is operated by inserting a bar into the holes in the head of the screw. These jacks are fitted with 2x16-inch locomotive jack screws, braced on oak bases. No. 4700-2 is same as 4700-1, but with ratchet operated screw.

No. 4700-1. Price each..... $22.00
No. 4700-2. Price each..... 30.00

Cable Sheath Splitting Knives



Knife edge tempered and ground to keen edge. Forged complete in one piece. Handle and blade made of tool steel.

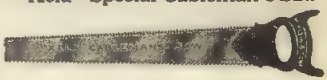
Price each..... $2.75

Cable Stripper Knife

3½-inch blade. Length overall, 8½ inches. For stripping heavy insulated wire and cable. Hardwood handle. Blade securely riveted in handle. Rivet is deeply countersunk, eliminating chance of shock.

Price each..... $2.25

"Xela" Special Cableman's Saw



Has coarse teeth on one side for cutting through lead cable sheath. Other side has fine teeth for cutting through the wire core. 14-inch blade, 18 inches overall.

Price each..... $2.50

Common Pay-Out Reel

Substantially built of hardwood and reinforced with steel plates. We also furnish reel spools with turnpin and disk, without base, for wagon reels or for multiple stringing. Guard pins are adjustable for 12, 18 or 24-inch coils.

Price each..... $8.00

Union Tool Chests

Union Tool Chests are built up to a higher standard of quality and more of them are in use to-day than any other make of similar chests. Acknowledged the best by tool users everywhere in the B and B B chest the Tills and tops are lined complete, the drawers are lined bottoms only. D, DD, E, F, & FF chests—the drawers are lined bottoms only. EE chests—the three small drawers only are lined. G, GG, chests—are not lined.

Chest	Description	Price	Outside Dimen.	Weight
B	Quartered Oak	**$17.80**	17 x 8 x 12¾	16
BB	Quartered Oak	**18.50**	20 x 8 x 12¾	18
D	Quartered Oak	**12.50**	14 x 7¼ x 10¾	11
DD	Quartered Oak	**13.00**	17 x 7¼ x 10¾	12½
DD	Lea'ette cov'd	**13.80**	17 x 7⅜ x 10¾	12½
E	Quartered Oak	**17.00**	20 x 9¾ x 14	21
EE	Quartered Oak	**19.50**	26 x 9½ x 14	27
F	Quartered Oak	**14.80**	17 x 8½ x 12	16
F	Lea'ette cov'd	**15.60**	17 x 8¾ x 12	15
FF	Quartered Oak	**16.20**	20 x 8¾ x 12	17
G	Plain Oak	**11.00**	17 x 7¾ x 10¼	12½
GG	Plain Oak	**12.00**	20 x 7⅞ x 10¼	14

Wizard Tool Chests

Well constructed wood frame is covered with olive green enameled metal. Galvanized iron angles protect all edges and the corners, locks and strong clamps are heavily brass plated.

No. 33 Carpenter's Shoulder Chest

Has saw block in corner for 26-inch saws

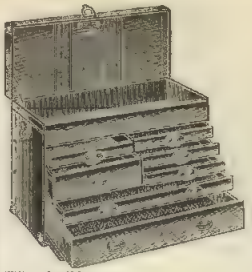
Length	Width	Height	Weight	
32"	8"	16"	9 lbs.	
32"	8"	8"	9 lbs.	**$7.00**

Carpenter's Suit Case Chests

	Length	Width	Height	Weight	
No. 58—32"	7"	16"	14 lbs.	**$10.80**
No. 48—32"	6¼"	12"	12½ lbs.	**10.00**

Plain Wood Carpenter's ¾ Heighth Suit Case Chest

No. A48—32"	5¾"	11¼"	9 lbs.	**$6.35**



No. 515 Machinists' Steel Tool Case

Finished with three coats black baked enamel Brass Corbin two key notch lock Genuine cowhide handles with steel cores Case will not swell, warp, crack, split, or go to pieces Front sides under bottom drawer Dimensions, 15½ inches long by 7 inches wide by 12½ inches high Price each **$16.00**

Inside dimensions:

Till under lid	15⅛x6¾x2⅝
Large deep drawer	14⅝x6½x2¼
Large shallow drawer	14⅝x6½x1¼
Short deep drawer	6⅞x6½x1⅞
Short shallow drawer	6⅛x6½x¾

Kennedy Steel Kits

For electrical workers, mechanics, railroad men, construction men, repair men, installation men and contractors. Made of prepared steel but are no heavier than other bags and tool kits Built to stand the wear and tear of hard usage Re-enforced throughout, fitted with brass side catches, strong two-tumbler Yale locks, steel leather covered handles and riveted so that they cannot pull out. Protected by solid brass corner irons. Finished in three coated baked enamel of brown or black, they present an appearance neat and attractive and look like leather traveling bags. Material, special construction and overlapping features make these kits wear-proof, waterproof, and weather-proof. They are thief-proof because they can be locked and chained and cannot be cut open. Price, without tray, deduct $0.35

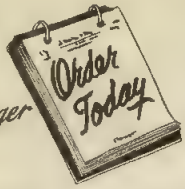
Number	114	116	118	120	122
Length, inches	14	16	18	20	22
Width, inches	7	9	10	11	11
Height, inches	9	11	13	13	13
Weight, pounds	5½	6¼	7½	8	11¼
Price each	**$5.25**	**$5.50**	**$5.75**	**$6.00**	**$6.25**

Electricians' Steel Grips

Designed to meet all the requirements of an electrician's tool kit and of the right size for carrying the average equipment. They have a divided spacing at one end for blow torch and ledge rests at top of grip for tray to carry drills, bits, small parts, etc They have ample space at bottom for heavy tools, material, etc. Fitted with loops at each end for straps, if desired. Price without tray, deduct $0.35

Style	319	321	324
Length, inches	19	21	24½
Width, inches	8	8	6
Height, inches	9	9	9
Weight, lbs	7¼	9¼	9
Price each	**$5.50**	**$5.75**	**$6.00**

Dont wait any longer



Your
K-D LAMPS
IN SPECIAL XMAS CARTONS

No. 250 Spot Lamp

Construction is single-shell type, reflector and body combined, pressed from heavy-gauge brass.

Bulbs are 6-8 volt, double circuit, easily adjusted by outside focusing screw. Four feet of cord furnished for installation. Finished in black enamel, baked on, with nickel-plated band enclosing glass.

TO DOUBLE YOUR SALES
Special Xmas Wrappings on both these lamps!

No. 700 K-D Driving Lamp

Combination bracket makes it possible to clamp to almost any part on front of car. One model fits all cars.

The cast bracket with the short shank eliminates vibration. Ball joint swivels into any position. When wired to dimming switch for the head lamps, gives ample light but does not glare.

Black enamel with nickel trimmings. Silvered reflector. Non-glare lens which spreads the light. 6-8 volt, single contact bulb, 32 c. p.

Order NOW if you want or expect prompt deliveries for Xmas business

THE K-D LAMP CO. CINCINNATI OHIO

Balloon Tires Need Balloon Jacks—Sell 'em!

Don't wait for your customers to ask if you sell balloon tire jacks (they may ask one of your competitors if you wait)! Do the asking yourself.

Every balloon tire owner needs a balloon tire jack—you know that just as well as you know that an ordinary jack won't work on balloons. Show your Reliable Balloon Tire Jacks. Tell your customers how easy they work with the long handles and the fast double screw construction. These features and the low starting height with maximum lift are exclusive Reliable features which make sales easy.

Stock up on the No. 7 (retails $7.50) and the No. 15 (retails $5.00) and make these easy sales. Your jobber can supply you.

ELITE MFG. COMPANY
Dept. TJ12 Ashland, Ohio

Northwestern Branch
G. A. Ashton Co., St. Paul, Minn.
(Complete stock carried in Ashton Bldg.)

Southwestern Branch
The Carroll Co., Dallas, Texas
(Complete stock carried in Carroll Warehouse.

Remember that Reliable Balloon Tire Jacks can be used on regular size tires as well as balloons.

RELIABLE BALLOON TIRE JACKS

Sales Representatives:
Motor Products Co.
149 Church St., New York, N. Y.
The L. E. Spencer Co.
704 Stahlman Bldg., Nashville, Tenn.
A. E. Mohrig
1456 Pine Street, San Francisco, Cal.

New Styles Greatest Values

Descriptions on Opposite Page

A $5.48 Part Wo. Worsted

B $2.75 Worsted and Jer.

C $3.98 Part Worsted or Rayon

D $4.98 Part Wool Worsted

E $11.89 Wool Corded

F $3.95 All Wool Worsted

G $4.75 Kitty All Wool

H $5.98 Wool

J $3.98 Part Wool Worsted

Cap 11C 761 $1.39

All Wool Cap

Smart Auto or Hockey Cap of fine heavy rope stitch Jersey Wool with Peaked Visor and Chin Strap. Adjusts to fit any head. Medium size. Specify color by number.

11C 7501	Navy Blue	
11C 7502	Brown	
11C 7503	Heavy Gray	
11C 7504	Red	$1.39

Postage each 4c extra

All Worsted Hockey Cap $1.39

Fine quality Worsted Yarn. All Wool. Medium size. Specify color by number.

11C 7505	Navy Blue	
11C 7506	Brown	
11C 7507	Red	
11C 7508	White	$1.39

Postage each 4c extra

11C 359 $4.95

All Wool Fancy Knit Sweater

A touch of contrasting color on pocket, tops and cuffs adds smart style to this All Wool worsted Sweater Coat. Medium weight. Has two pockets. Buttons all the way down front. Specify size and color by number when ordering. Remember to add postage for each pound.

SIZES: 34 to 46-inch bust

Make 2 or 3 Weeks

11C 7388	Brown with Cardinal	
11C 7389	Brown with Navy Blue	
	Trim	$4.95

Postage each 4c extra

$0.68 **All Wool Shaker Knit Coat**

Heavy weight shaker knit worsted. All Wool. Has two pockets. Buttons all the way down front. Medium weight. Specify size and color by number when ordering. Remember to add postage for each pound.

SIZES: 34 to 46-inch bust

Make 2 or 3 Weeks

11C 7381	Navy Blue	
11C 7382	Cardinal Red	
11C 7383	Wood Brown	
11C 7384	White	$8.68

Postage each 10c extra

$0.98 **All Wool Worsted Shaker Pull-Over**

The most popular fashion in sweater coats for women and misses. All Wool Worsted. Has 2 pockets. Buttons all the way down front. Medium weight. Specify size and color by number when ordering. Remember to add postage for each pound.

Extra Heavy Weight

Extra heavy weight. All Wool worsted shaker knit with pockets and buttons all the way down front. Specify size and color by number when ordering. Remember to add postage for each pound.

SIZES: 34 to 46-inch bust

Make 2 or 3 Weeks

11C 7375	White	
11C 7376	Camel Tan	
11C 7377	Cardinal Red	
11C 7378	Navy Blue	$8.98

Postage each 10c extra

Three Specials

For Girls Ages 6 to 14 Years

$1.19 **Girls' Cap**

Heavy All Wool Jersey Cloth. Fine grade of soft knit. Deep Cuff. Specify color by number.

11C 7509	Navy Blue	
11C 7510	White	
11C 7511	Brown	
11C 7512	Heavy Gray	$1.19

Postage each 4c extra

$1.00

All Wool Shaking Glove

Extra Value

A Wool of soft, pliable, yet durable quality. Has full length fingers fit perfectly. Gauntlet top of the right hand, ready for the shaking. Specify size and color by number when ordering.

11C 7501	Navy Blue	
11C 7502	Camel Tan	
11C 7503	French Gray	
11C 7504	White	$1.00

Postage, per pair, 4c extra

College Models for Big Boys
Ages 14-15-16 Years

Extra Quality Shaker Pull-Over $6.48

Youths' heavy weight Pull-over Sweaters of fine quality yarns in a popular value giving stitch; very rugby collar.
SIZES 34 to 36-inch chest. State size wanted.

31 C 2258	White
31 C 2259	Maroon with Gold
31 C 2260	Brown with Buff
31 C 2261	Navy Blue with Orange
31 C 2262	White

Postage each, 8c extra $6.48

Heavy Shaker Knit Sweater Coat $6.48

Worsted and wool shaker knit sweaters for youths. Warm heavy weight. Very serviceable.
SIZES 34 to 36-inch chest. State size wanted.

31 C 2263	Brown with Buff
31 C 2264	Maroon with Old Gold
31 C 2265	Navy Blue with White
31 C 2266	White

Postage each, 8c extra $6.48

Part Wool Sweater Coat $2.89

Youths' medium weight Sweater Coat of part wool cardigan knit with two-piece collar. It's a very popular style.
SIZES 34 to 36-inch chest. State size wanted.

31 C 48	Brown with Buff
31 C 49	Navy Blue with White
31 C 50	Maroon with Grey

Each $2.89
Postage, each, 8c extra

All Wool Heavy Weight $5.98

Heavy weight all wool Sweater Coat for real Boy Scout wear. Hand finished throughout.
SIZES 34 to 36-inch chest. State size wanted.

31 C 279	Buff with Red
31 C 280	Navy Blue Orange, Green
31 C 281	Brown Buff Red

Each $5.98
Postage, each, 8c extra

Part Wool Pull-Over $2.97

Youths' cardigan knit Pull-Over sweater in modern, Warm weight. Has a ribbed pliable cowl neck. Brown, Navy Blue, Maroon.
SIZES 34 to 36-inch chest. State size wanted.

31 C 242	Brown with Buff
31 C 243	Navy Blue with Orange
31 C 244	Maroon with Gold

Postage, each, 8c extra $2.97

Popular Styles for Boys
Ages 6 to 13 Years

A 31 C 231 $4.98

B 31 C 236 $3.48

C 31 C 230 $1.98

D $1.98

E $2.29

F 31 C 40 $3.45

All Wool Cap $1.00

31 C 23	Buff with Brown
31 C 24	Navy Blue with Green
31 C 25	Maroon with Grey
31 C 26	White

Each $1.00
Postage, each, 4c extra

Heavy Pull-Over All Pure Wool $3.98

Warm, heavy weight Pull-Over sweater. Knit in a fine ribbed stitch that gives plenty of elasticity and yet holds its shape. Ideal for cold weather, cool and cloudy days. Just the thing for boys to wear to school or for those evenings when they're out playing. Has a fine cowl neck that can be worn high or low. Comes in Navy Blue, Maroon, Brown and Buff. Buttoned at shoulder.
SIZES 26 to 34 inch chest size wanted.

31 C 2268	Buff with Brown
31 C 2269	Brown with Maroon
31 C 2270	White
31 C 2271	Maroon with Orange

Each $3.98
Postage each, 8c extra

Part Worsted Medium Weight $2.98

Also medium short coat sweater of part worsted yarn in medium weight for cold weather wear. Knit in worsted stitch that gives plenty of elasticity and yet holds its shape. Has cowl neck. Can be worn high or low. Comes in Navy Blue, Maroon, Brown and Buff. Buttoned at shoulder.
SIZES 26 to 34 inch chest size wanted.

31 C 2272	Maroon with Gold
31 C 2273	Brown with Buff
31 C 2274	Navy Blue with White

Each $2.98
Postage each, 8c extra

Part Wool Medium Weight Pull-Over—Very Warm

This popular Pull-over sweater is for boys who like a warm sweater. It's knit with a heavy, soft yarn that is warm and comfortable. The cowl neck can be worn high or low. The sleeves are full length and have ribbed cuffs. Comes in Navy Blue with Orange trim, Maroon with Grey trim, Buff with Rocky Red trim.
SIZES 28 to 34 inch chest. State size wanted

31 C 2282	Navy Blue with Orange
31 C 2283	Maroon with Grey
31 C 2284	Buff with Rocky Red

Postage, each, 8c extra $2.79

A **All Wool Worsted Sweater Coat**

This Sweater Coat for boys is an exceptionally good value at the price. Made from all wool worsted yarn in a fine ribbed stitch that gives plenty of elasticity and yet holds its shape. Has all wool worsted collar. Buttons all the way down front. Comes in Navy Blue with white trim, Brown with Buff trim, Maroon with Grey trim. Three-quarter length sleeves close around the cuff. Two pockets with hand-stitched tops.
SIZES 26 to 34-inch chest. State size wanted.

31 C 230	Brown with Buff
31 C 231	Navy Blue with White
31 C 232	Maroon with Green

Each $4.98
Postage, each, 8c extra

B **Shaker Knit Part Wool Pull-Over**

Youths' heavy weight Pull-over sweater of fine quality yarns in a popular value giving stitch; very rugby collar. Has a fine cowl neck that can be worn high or low. Comes in Navy Blue, Maroon, Brown and Buff. Buttoned at shoulder. Shaker knit gives plenty of elasticity and yet holds its shape. Ideal for cold weather, cool and cloudy days. Just the thing for boys to wear to school or for those evenings when they're out playing. Has a fine cowl neck that can be worn high or low. Comes in Navy Blue, Maroon, Brown and Buff. Buttoned at shoulder. The price is surprisingly low.
SIZES 26 to 34-inch chest. State size wanted.

31 C 2275	Brown with Buff
31 C 2276	Red with Black
31 C 2277	Navy Blue with Orange

Each $3.48
Postage, each, 8c extra

How to Order

Boys' Sweaters
See Page 99

Part Wool Sweater Coat $2.48

Part wool sweater coat for boys. Medium weight sweater that will stand lots of wear. Knit in a fine ribbed stitch that gives plenty of elasticity and yet holds its shape. Has cowl neck. Can be worn high or low. Comes in Navy Blue, Maroon, Brown and Buff. Buttoned at shoulder. The price is surprisingly low.
SIZES 26 to 34-inch chest. State size wanted.

31 C 222	Brown with Buff
31 C 223	Heather with Red
31 C 224	Navy Blue with Orange

Each $2.48
Postage, each, 8c extra

Four Pocket Sports Coat—Big Value

This sweater coat for boys is just the thing for a wash suit or knickers or for wear over shirt and tie. Knit in fine ribbed stitch that gives plenty of elasticity and yet holds its shape. Has cowl neck. Comes in Navy Blue, Maroon, Brown and Ward's Green. Buttoned all the way down front. Has four pockets with hand-stitched tops. Ward's Green is a popular and pretty shade and Ward's price is exceptionally low.
SIZES 28 to 34 inch chest. State size wanted.

31 C 46	Brown Heather
31 C 47	Green Heather

Postage each, 8c extra $3.45

D **Warm Part Wool Pull-Over**

Heavy weight Pull-Over sweater for boys. Knit in a fine ribbed stitch that gives plenty of elasticity and yet holds its shape. Has cowl neck. Ribbed cuffs and bottom. Comes in Navy Blue, Maroon, Brown and Buff. Buttoned at shoulder. Ward's price is exceptionally low.
SIZES 26 to 34 inch chest. State size wanted.

31 C 252	Brown with Buff
31 C 253	Navy Blue with White
31 C 254	Maroon with Grey

Each $1.98
Postage, each, 4c extra

C **V Neck Pull-Over Part Wool Worsted**

Boys' ribbed sweater for popular V neck style which has a cowl neck that can be worn high or low. Knit from worsted and part wool yarns in a popular stitch. Ward's tailoring is unexcelled. Buttoned at shoulder with pearl buttons. Ward's price is low—you get real quality at a low price for this sweater.
SIZES 26 to 34-inch chests. State size wanted.

31 C 219	Brown with Buff
31 C 220	Buff with Brown
31 C 221	Maroon with Navy Blue

Each $1.98
Postage, each, 4c extra

Correctly Styled

Lovely Models in Regular And Extra Sizes

14 C 520
All Wool Flannel
$12.95

14 C 532
All Silk Satin Faced Canton Crepe
$16.98

Regular Sizes

Extra Sizes

14 C 108
All Silk Satin Faced Canton Crepe
$16.50

Extra Sizes

Extra Sizes

14 C 526
All Wool French Serge
$13.98

Extra Sizes

These Dresses Are Also Furnished in Each of The Colors Described on Opposite Page

14 C 538
All Wool Crepe
$12.85

14 C 114
All Wool Border Flannel
$11.98

Regular Sizes

14 C 120
All Wool Plaid Flannel
$9.85

Fifth Avenue Favorites

Two Groups for Women And Misses

IN New York, America's leading style center, Ward's experts seek for you the most becoming and tasteful modes—the favorite colors and materials. Here you can buy real Fifth Avenue models at a fraction of Fifth Avenue prices. Order several of these stylish dresses. When you receive them you will understand why Ward's is recognized as a leader in newest fashions at low-est prices.

14 C 200
All Silk Satin Faced Canton Crepe
$13.85

14 C 210
Plaid Tweed
$8.50

14 C 214
All Silk Canton Crepe
$14.75

14 C 206
All Wool Border-Flannel
$9.98

14 C 124
All Silk Canton Crepe
$12.98

14 C 136
All Silk Flat Crepe
$14.50

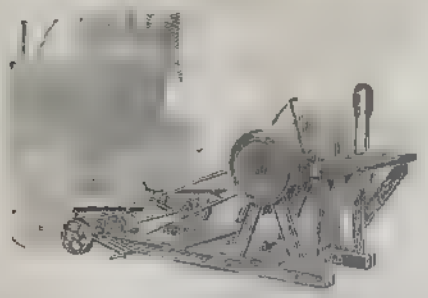
14 C 142
All Wool Striped Flannel
$9.95

14 C 130
All Wool Flannel
$10.95

These Dresses Are Also Furnished in Each of The Colors Described on Opposite Page

POWER ATTACHMENTS

LAY PORTA



The above illustration shows how attachments are used with the Lay Porta Power. The operation is extremely simple and requires but very little time to connect.

SAWS

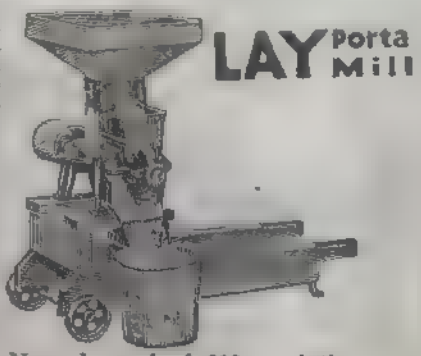
A well made and thoroughly inspected saw, furnished with 26 inch blade and 10 inch pulley.

Furnished complete with necessary belting.

	Each
No. PS10—Truck type, with wheels	✚$96 00
No. PS12—Stationary type, without wheels	✚ 83 25

Crated; shipping wt each 225 lbs.

MILLS



Especially designed to run with Lay Porta Power. The Porta truck wears that the implement can be moved with ease, and is instantly attachable. Duplex type, having two sets of 6 inch burrs. Burrs designed with genuine shear cut construction, giving greater capacity. Grain ground is uniform quality, hulls of oats chopped instead of remaining whole. Normal speed of 600 revolutions per minute. Furnished complete with necessary belting.

	Each
No. PM20—Capacity 20 to 25 bushels of ground grain per hour; 6x6 in pulley	✚$60 75

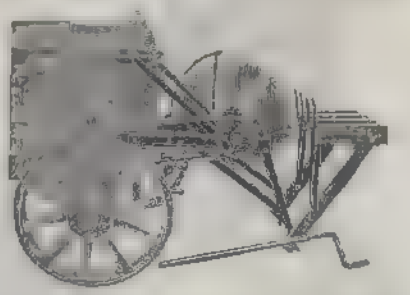
Shipping wt each 275 lbs.

✚F. O. B. Indiana Factory Only.

SAW FRAMES

STOVER

Attachment For Fordson Tractor.



Steel frame, hardwood sawing table, equipped with four flat steel strips bent at right angle to form rigid guards. All bolts fitted with lock washers which keep frame tight and assembled.

Angle steel braces carrying saw table extend low and rest upon ground forming a solid support. Frame made with adjustable bolt at either side for taking up slack in belt.

Frame carried on four castings attached to upper and lower ends of radiator by four bolts that run in front and back of radiator. Easily attached without drilling or removing bolts or nuts on tractor.

Complete with frame, 30 inch saw, sufficient length of 5 inch rubber belting, 8x6 inch pulley, special starting crank for use when frame is attached and full instructions for attaching.

	Each
No. 57—Distance from center of saw mandrel to ground 30 ins	✚$112 50

Crated; K. D.; ship wt each complete 250 lbs.

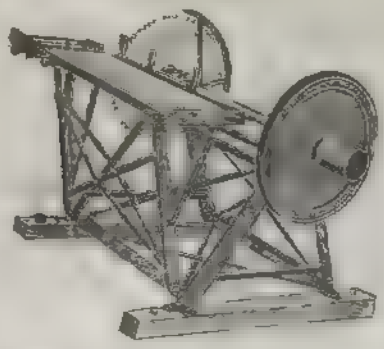
✚F. O. B. Illinois Factory Only.

You make no mistake in selling Blue Grass and Red Jacket Pumps. Their reputation is nationally known. *See pages 403 to 407.*

Your orders for Agricultural Tools will be promptly filled. Send them to us.

WOOD SAWING MACHINES

APPLETON



Steel Frame with Tilting Table.

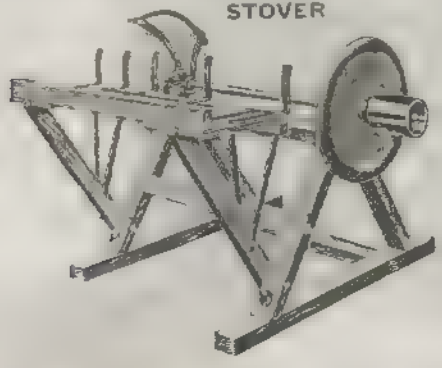
Frame is of angle steel, strongly bolted and firmly braced. The saw arbor is a piece of lathe turned steel 4 ft. 4 in. long and 1¼ inches diameter. It is turned down to 1¾ inches for the saw blade, and to 1 7/16 inches for the balance wheel, pulley and boxes. Boxes are of ball and socket type, well babbitted, dust proof, non heating and self-adjusting. The tilting table has a roller at one end to accomodate long poles. Interchangeable balance wheel and pulley. Frame is equipped with a saw guard.

Frame is arranged to receive the blade to the left of the operator, but if so ordered it can be arranged without extra charge to receive the blade to the right of the operator.

No. 1—Without blade; takes blades from 20 to 30 Each ins diam; pulley 5x6 ins; speed 1000 to 1500 R. P. M.; power required to operate 2 H. P. gasoline engine or electric motor; distance between balance wheel and blade 3 ft 6 ins..... ✦$73 50

Shipping wt each 285 lbs.

STOVER



Wood Frame with Tilting Table.

Frame is well seasoned hardwood of ample size and weight to insure great strength, mortised, bolted and firmly braced. The saw arbor is a piece of lathe turned steel, 4 ft. 4 in. long and 1½ inches diameter. It is turned down to 1⅝ inches for the saw blade, and to 1 7/16 inches for the balance wheel, pulley and boxes. Boxes are of the ball and socket type, well babbitted, dust proof, non-heating and self-adjusting. The tilting table has a roller at one end to accomodate long poles. Interchangeable balance wheel and pulley. Frame equipped with a saw guard.

Frame is arranged to receive the blade to the left of the operator, but if so ordered it can be arranged without extra charge to receive the blade to the right of the operator.

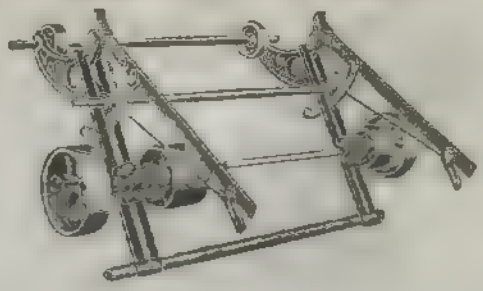
No. 2—Without blade; takes blades from 20 to 30 Each ins diam; pulley 6x6 ins; speed 1000 to 1500 R. P. M.; power required to operate 2 H. P. gasoline engine or electric motor; distance between balance wheel and blade 3 ft 6 ins..... ✦$66 00

Shipping wt 274 lbs.

Note—For circular saw blades see Dept. 1.

✦F. O. B. Illinois Factory Only.

LAY PORTA POWER



A wonderful new farm implement which quickly transforms practically any make of automobile into a portable power plant.

It is universally adapted to operation in connection with practically any small size car. However, with the Ford car, in connection with which it is most commonly used, from six to seven Horse Power at the belt is about the maximum that should be developed.

With Lay Porta power attached to the car such machinery as the wood saw, grinding mill, hay press, pump, corn sheller, etc. can be successfully operated.

(Fig. 1)

After the car is backed into suitable position, the Lay Porta Power is pushed beneath the rear of car as shown in the accompanying illustration (Fig. 1), one foot resting on the base.

The hand clasps control the quadrant, are pressed in, and the handles pushed down. This jacks the car up and pulls it back until tires make contact with rollers. It is locked in this position (See Fig. 2).

(Fig. 2)

(Fig. 3)

Rear of car is now off the ground, the axle resting securely in the pockets on the end of each handle of the Lay Porta Power (see Fig. 3). Everything is ready in place, and the outfit now ready for belt application.

Each

No. LP100—Size pulleys 6x4 and 10x6 ins ✦$60 75

Shipping wt each 180 lbs.

✦F. O. B. Indiana Factory Only.

High Grade Leather Holsters

Pocket Holster
3C104-105

Open Top
3C [illegible]

Flap
3C101-102

Plain Mexican
3C107-108

Embossed Mexican
3C206-07-08

Shoulder Holster
3C106

No. 3C104. Pocket Style Open Top Holster, of high quality leather, adapted for all 25-caliber automatic pistols.
Per dozen 6.75

No. 3C105. Same as above, for 32-caliber automatic pistols.
Per dozen 7.50

No. 3C204. Open Top Holster. Made of good quality leather. Nicely embossed. Suitable for 32 and 38 caliber revolvers 3 and 3½ inch barrel
Per dozen 4.00

No. 3C205. Open Top Holster, for 38 cal. 4 and 5 inch barrel revolvers. Per dozen 6.00

No. 3C101. Leather Flap Top Holsters, of good quality leather, nicely embossed, with loop for belt. Flap fastened with metal button. Suitable for 22, 32 and 38-caliber revolvers; 3 and 3½-inch barrel. Per dozen 6.00

No. 3C102. As above, for 5-inch barrel revolvers. Per doz . . 7.50

No. 3C107. Open Top Holsters. Cow hide leather, nicely embossed, with loop for belt, to fit 22, 32, and 38-caliber revolvers, with 3½ inch barrel. Per dozen . . . 7.50

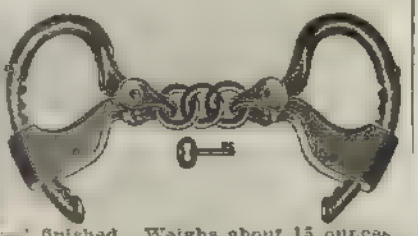
No. 3C103. As above, to fit all revolvers with 5-inch barrel.
Per dozen 10.50

Embossed Mexican Holster. Cowhide leather, fancy embossed.
No. 3C206. For 38 caliber 5 in barrel. Per dozen 13.00
No. 3C207. For 44 Cal. 6 inch barrel. Per dozen 15.25
No. 3C208. For 45 Cal. 7½ inch barrel. Per dozen 17.00
No. 3C209. Western Shoulder Holder Holster, smooth finished leather, fancy embossed, with strap to pass around chest to hold holster on shoulder, to fit 32 and 38-caliber revolvers up to 3½ in barrel. Per dozen 8.50
No. 3C106. Western Shoulder Holster, to fit 38 Cal. revolvers, 4 and 5 inch barrel.
Per dozen 9.75

Detective Hand Cuffs

No. 3C151 Detective Hand Cuffs. Have spring lock, can be closed from notch to notch without key, adjustable to 8 sizes. Nicely polished and well finished. Weighs only 12 ounces. Each pair in box. Per pair . . . . .

No. 3C152. Detective Hand Cuffs. Same as above. **Nickel Plated and Polished.** Per pair 3.50



No. 3C153. Adjustable Self-Locking Hand Cuffs. Spring lock, so they may be attached automatically without use of key. Have 3 different adjustments of sizes. Nicely polished and well finished. Weighs about 15 ounces. Each pair in box. Per pair 3.50

No. 3C154. Adjustable Self-Locking Hand Cuffs. Same as above. **Nickel Plated and Polished.**
Per pair 4.00

Police and Other Stars. These Stars are made of nickel-silver, cup ball pointed, heavily nickel plated, black letters with the following wording
No. 3C143. Police.
No. 3C144. Detective.
No. 3C145. Special Police.
No. 3C146. Sheriff.
No. 3C147. Deputy Sheriff. **No. 3C149. Constable.**
No. 3C148. Deputy. **No. 3C150. Watchman.**
Per dozen 6.50

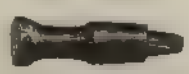
Police and Watchmen's Clubs

No. 3C155. Metropolitan Police Club. These rubber clubs are very popular. 8 inches long, weighs 8 oz.; has leather sling. ⅓ dozen in box
Per dozen 8.75

No. 3C156. Star Police Club. 10 inches long, weighs 10 oz.; has rawhide sling. ⅓ dozen in box
Per dozen 11.75

No. 3C168. Celluloid Traffic Whistle for Police, Traffic Officers, Mail Carriers, etc. Assorted colors. Size 2½ in. long. 1 dozen in box.
Per dozen 2.25

No. 13N24. Traffic Whistle. Made of heavy metal, heavily nickel plated, length 2¾ in. Used by mail carriers, policemen, referees, etc. **One dozen in box.**
Per dozen . . . . .



No. 3C159. Hard Rubber Crow Call. This is one of the best and most nearly the natural call of the crow. Carefully made and tuned. Made of hard rubber which is not affected by moisture or climatic conditions. One dozen in box. Per dozen 6.00

No. 3C160. "O. K." Duck Call. This is the celebrated "O. K." Duck Call. Made of hard rubber, not affected by moisture; best call made. One dozen in box. Per dozen . . 5.40

Novelty Revolvers, Cartridge Belts, Gun Cases

Novelty Revolver

Novelty Imitation Revolver Paperweight. Has the exact appearance and size of a regular revolver. Can be used as a paperweight, or for protection. Made of cast metal, highly polished nickel finish, with fancy black finish handle. One-sixth dozen in box.

No. 3C169. Per dozen..... 6.00

Holster Cartridge Belts

Holster Cartridge Belt, with buckle, belt 2 inches wide with loops; will hold 32, 38 and 45 caliber cartridges.

No. 3C108. 32 Caliber. Per dozen..... 10.50
No. 3C109. 38 Caliber. Per dozen..... 10.50
No. 3C110. 45 Caliber. Per dozen..... 10.50

Canvas Gun Covers

The following gun covers are made of good quality 10 and 16 ounce canvas, suitable for single and double barrel and repeating shot guns.

Canvas Gun Cover, made of 10-ounce duck, suitable for 30-inch gun barrel.

No. 3C134. Per dozen..... 9.00

Canvas Gun Cover, made of 16-ounce duck, with leather lock and muzzle protector and rod pocket for 30-inch gun barrel.

No. 3C135. Per dozen..... 18.00

Folding Rifle Cover, made of 10-ounce duck, barrel pocket 28 inches long, stock pocket 26 inches long. Will take Remington Model 12, Savage Model 1914, Winchester 1890, 1900, 1903, Bayard and some single shot rifles.

No. 3C133. Per dozen..... 8.00

Miniature Pistol

Novelty Watch Charm

Watch Charm Pistols. An exact reproduction of a real pistol, illustration actual size. It uses miniature blank cartridges and shoots just like a regular pistol. High grade nickel plated frame, octagon barrel, fitted with fancy design, **nickel plated** or **pearl handles.**

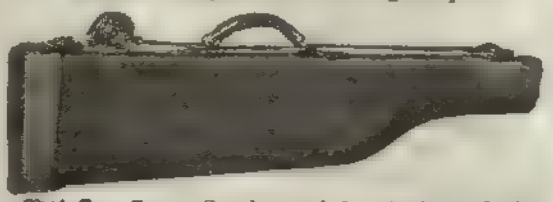
No. 3C221. With Fancy Design Nickel Plated Handles.		**No. 3C222. With Pearl Handles.**	
Per dozen	5.50	Per dozen	14.50
Each	.75	Each	1.25

Miniature Blank Cartridges 25 in Box

No. 3C223. Per doz. boxes 3.00

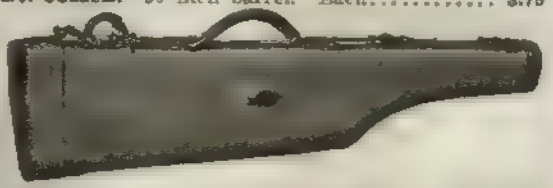
Shot Gun Cases

Moulded English Mutton Leg Shape



Shot Gun Case. Can be used for single or double barrel or repeating shotguns. Made of heavy brown duck, boxboard interlined, white flannel lined, leather reinforced at seam and ends, made with rod pocket under adjustable partition, leather handle and sling, strap buckle fastening.

No. 3C225A. 28 inch barrel. Each..... 3.75
No. 3C225B. 30 inch barrel. Each..... 3.75



Shot Gun Case. For **Single, Double or Repeating Shotguns.** Made of **Mahogany Leather,** white flannel lined, rod pocket under partition, leather handle and sling, lock buckle, and name plate.

No. 3C226A. 28 inch barrel. Each..... 5.50
No. 3C226B. 30 inch barrel. Each..... 5.50

Shot Gun Case. For **Single, Double or Repeating Shot Guns.** Made of heavy **russet cowhide leather,** white flannel lined, rod pocket underneath partition, leather handle and sling, lock buckle and name plate.

No. 3C227A. 28 inch barrel. Each..... 6.25
No. 3C227B. 30 inch barrel. Each..... 6.25

COTTON, CORN AND PEANUT PLANTERS

LEDBETTER "ONE SEED"

The Ledbetter planter plants every kind of seed, cotton, corn, peas, peanuts cane, and in fact all row crops and each as though made expressly for that particular seed

When equipped for cotton, it is distinctly a cotton planter, then put in a corn plate, corn cut-off and corn spur and you have a corn planter that has no equal for accuracy and precision of drop. The same applies to planting of all other seeds. Put in the plate to suit the kind of seed you want to plant and you have a perfect planter for that purpose.

The planting is always in plain sight, you see every seed as it passes out of the hopper.

A full set of plates is furnished; one for single cotton seed, one for more cotton seed, one each for large and medium corn, one for small corn and peas, one for maize, cane and other small seed. The peanut planting attachment and hill drop cotton seed plates are furnished at additional cost

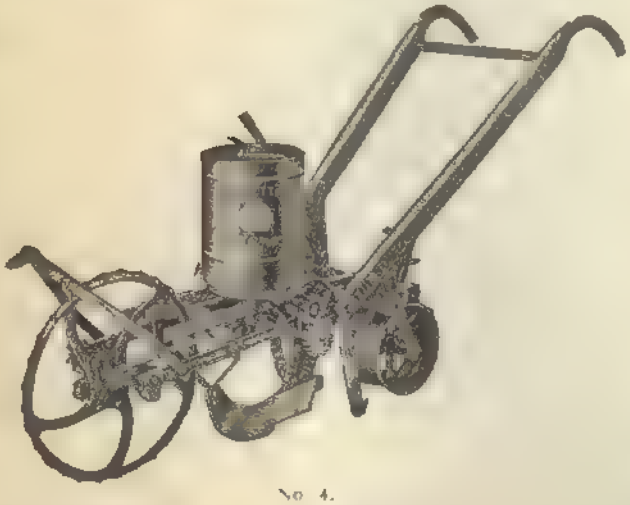
In designing the combined planter and fertilizer distributor, the usual practice of putting a make-shift fertilizer hopper on a planter frame or a make-shift planter on a fertilizer distributor is not followed. This is a complete machine that does the work required in the best possible way.

The seed being distributed evenly, without bunches or skips, one can appreciate the increased value of the fertilizer. None of the fertilizer is lost on bunches of useless plants that are soon to be thinned out, nor wasted where no seed has been dropped.

A shovel, adjustable to depths, opens the drill. The fertilizer is placed in the drill close behind the shovel, spoon coverers follow and level the bed over the fertilizer; the seed drill is then opened by the runner opener at depth desired and seed is planted, covered and firmed by press wheel. Steady flow of fertilizer can be regulated by turning hopper on base

Either planter or fertilizer parts may be used alone, each having separate cut-off lever

WITHOUT FERTILIZER DISTRIBUTOR



No 4.

No. 3—Ledbetter "One-Seed" planter, pitman drive, having shovel openers, shovel coverers and without press wheel; weight each 105 pounds.....Each **$35.00**

No. 4—Ledbetter "One-Seed" planter, double pitman drive, with shovel opener, spoon coverers and with press wheel; weight each 120 pounds.....Each **$35.00**

No. 4DH—No. 4 planter, equipped with double or duplex hopper only; plants all seeds except cotton; weight each 130 pounds.....Each **$40.00**

WITH FERTILIZER DISTRIBUTOR

No. 2

No. 20—Combined Ledbetter "One-Seed" planter and fertilizer, chain drive, weight each 150 lbs .Each **$60 00**

Fertilizer Hopper—To interchange with planter hopper on Nos. 3 and 4 planters; weight each 25 pounds.....Each **$6 50**

Duplex or Double Hopper—To interchange with regular hopper on Nos. 3 and 4 planters weight each 40 pounds .Each **$10 00**

The double hopper is for planting two kinds of seeds, such as corn and peas or velvet beans alternating in the row, also for planting peanuts, corn, peas, beans and all row crops except cotton.

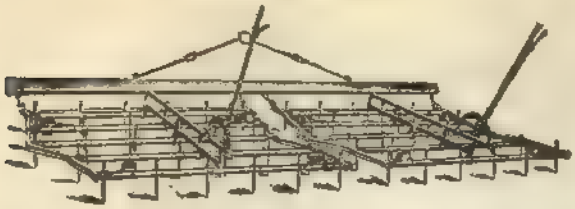
ATTACHMENTS

Peanut Planting Attachment—For Nos. 3, 4 and 20 planters; weight each 7 pounds . Each **$2 00**

No. 17B—Hill Drop Cotton Seed Plate..... Each **60**

HARROWS

GENUINE BROWN



U-Bar Lever

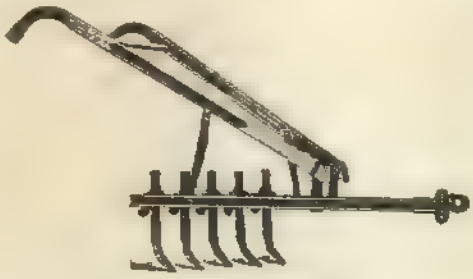
Made of the best grade of U-bar steel, insuring strength; teeth are held in position by U-clips bolted through the bar, are headed and made of the best grade of high carbon steel.

Connecting bars are of heavy steel, attached to teeth bars by malleable castings, and well braced.

Note—When guard rail is desired, the letter "C" should be added to the serial number.

No. 9A—Two section, 50 teeth; cuts 8 feet wide; weight 200 pounds .....Each **$40.00**

No. 7A—Two section, 60 teeth; cuts 10 feet wide; weight 225 pounds .....Each **$50.00**



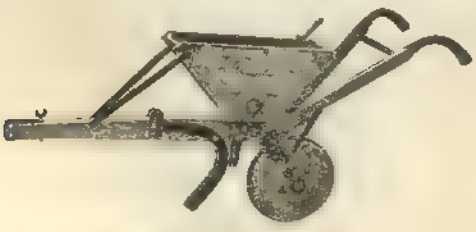
Gayoso Side Harrow

This is a very simple and strong tool that has always been a favorite with cotton growers. The triangular frame is one continuous piece of special "I" bar steel, giving great strength. Teeth held securely in position by heavy steel "U" clips. Handles adjustable. Teeth and handles reversible, to make the Harrow either right hand or left hand as desired

Gayoso Side Harrow—Weight 45 pounds.....Each **$9.00**

GUANO DISTRIBUTORS

GENUINE BROWN



Wood or Steel Wheel

This tool is made of the very best materials and strongly braced throughout. All wearing parts fit perfectly. Force feed distributes the Guano evenly, whether wet or dry. The cut-off is of improved design with lever within easy reach of the operator's hand. Adjustable shovel standards, furnished with wood or steel wheels. Painted red and nicely finished. Furnished with wood wheels when desired.

Guano Distributor—Weight 75 pounds.....Each **$10.00**

SEED SOWERS

HORN

Jointed Spout

For sowing clover, timothy, millet, Hungarian hemp, flax, mustard, turnip and all other small smooth seed that is sown broadcast. Sows 50 acres per day; quickly adjusted to sow any amount per acre. Easily and quickly operated; fully guaranteed to do perfect work.

Heavy canvas sack with shoulder strap and tapering discharge neck. Four section tapered tin spout; simple seed gauge, can be set to sow any amount per acre; scatterer provided in discharge end of the horn

Horn—Capacity of sack about ½ bushel; shipping weight per dozen 9 pounds; complete with directions... .....Per Dozen **$20.00**

Half dozen in a carton.

CYCLONE

Automatic Feed Adjustment

For sowing clover, timothy, alfalfa and other seeds that can be sown broadcast. Sows 50 acres per day; runs easily and will distribute any desired quantity of seed per acre. Slope feed board gives seed a gravity flow and always keeps hopper outlet properly filled without tilting machine.

Automatic feed adjustment gives a positive force feed, quickly adjusted for different seeds, flow started or stopped instantly by touch of lever; seed cannot clog or rush, no waste of seed

Distributing wheel scatters seed evenly and will distribute equal amounts of seed equal distances on each side of operator.

Gears adjustable to take up wear. All wood parts painted; metal parts black enamel.

Seed container of heavy canvas duck with carrying strap

Cyclone—Capacity ½ bushel; shipping weight per dozen 44 pounds; complete with directions..... .....Per Dozen **$48.00**

Packed in cartons of two or three each.

COTTON PLANTERS

GENUINE BROWN

Dow Law

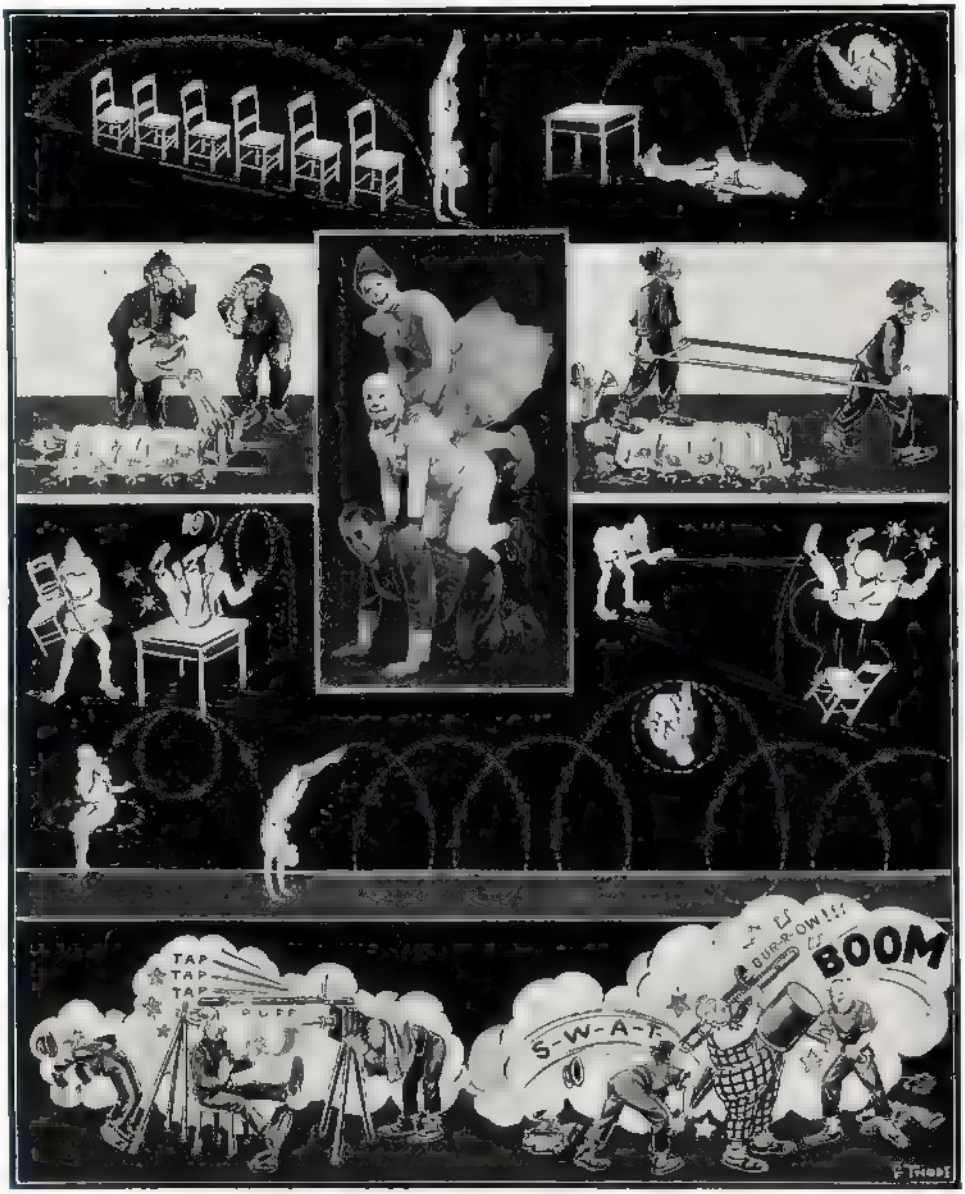
This Cotton Planter is simple in design and strongly constructed of first-class materials. It is the most popular one-horse planter sold in the south. Has heavy hitch head and adjustable opening standard. Agitator prevents seed from clogging and keeps the feed uniform. Furnished with metal wheels.

No. 2—Weight 60 pounds.....Each **$12.00**

THE ONE, ORIGINAL AND ONLY

LESTER, BELL and GRIFFIN

CREATORS OF CLEVER COMEDY CAPERS



THREE SEPARATE AND DISTINCT LAUGHING RIOTS

No. 1—Indescribable Stunts in Grotesque Acrobatics.
No. 2—"Dead and Alive," Most Ludicrous of Buffoonery.
No. 3—"The Photographer," the Last Word in Hilarious Absurdities.

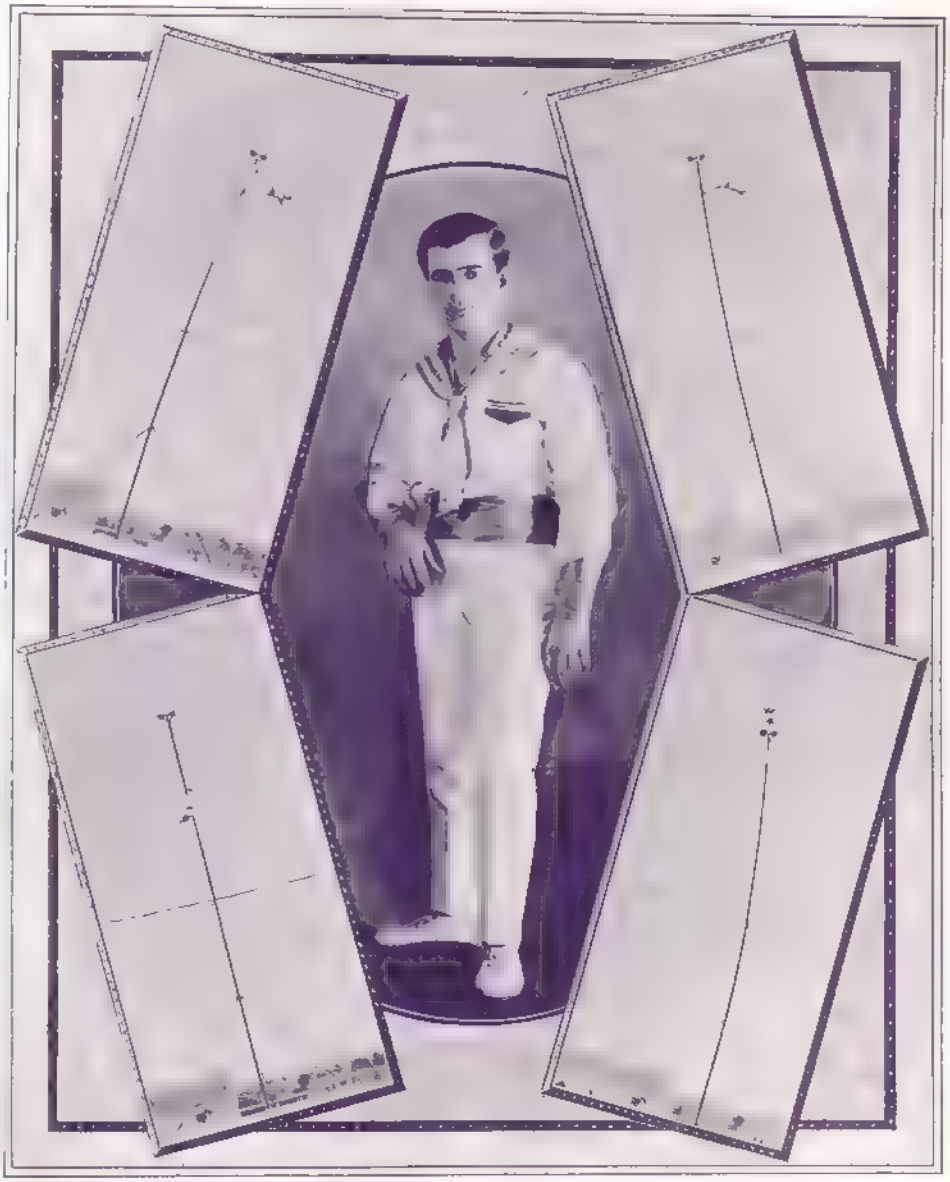
Numbers 2 and 3 PERFORMED ON THE TRACK IF SO DESIRED

WORLD AMUSEMENT SERVICE ASSOCIATION Inc.

THE ACE OF DARE DEVILS

FRANK SILVAS

IN THE CIRCLE OF DEATH



The Nerviest Son of Sunny Italy at Heaven's Gate

Startlingly New Feats on the Bending Pole

A Spell-Binding Routine of Death-Defying Stunts

EVERY ACT IN THIS CATALOG CONTROLLED EXCLUSIVELY BY **WORLD AMUSEMENT SERVICE ASSOCIATION, Inc.**

"SERVICE and SATISFACTION"

A VERY FAMOUS FOREIGN TRIO

THE THREE NITOS

PANTOMIMIC ARTISTS WHO RADIATE LAUGHTER
AS FAR AS THEY CAN BE SEEN

A VERY ODD AND UNUSUAL PERFORMANCE

COMEDY - SENSATION - MUSIC

FIRST CLASS FOOLISHNESS

A FAMOUS FRENCH IMPORTATION

LES PIERROTYS

A NOVELTY AND A COMEDY KNOCK-OUT

At the Great New York Hippodrome a 100% Hit

Their Initial Appearance at Fairs

AROUSING A TEMPEST OF NEW LAUGHTER

EVERY ACT IN THIS CATALOG CONTROLLED EXCLUSIVELY BY WORLD AMUSEMENT SERVICE ASSOCIATION, Inc.

"SERVICE and SATISFACTION"

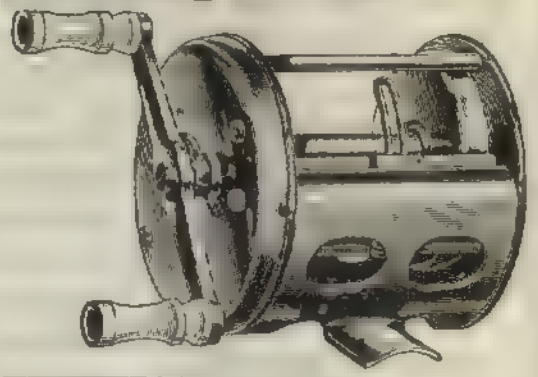
Level Winding Fishing Reels

"MODERN" LEVEL WINDING REEL

"Modern" Level-Winding Reel is simple in construction and of few parts, thus avoiding troubles usually found in reels of this type. Its original and novel style of frame affords an exceedingly staunch alignment for its working parts and strength and protection not found in other level-winding reels. Finest tempered gears; transverse screw and pawl of a special alloy; bushings of both screw and pawl of same material used in most expensive reels, perfectly balanced crank handle with ivoroid grips slightly more than quadruple multiplying radiant nickel finish.

The price is so conservative that it reaches an entirely new and immensely broad field of purchasers. Each in box.

No. 16B35 Each **2.90**



ORENO

LEVEL-WINDING ANTI-BACK-LASH REEL

ORENO Level Winding Anti-Back-Lash Reel. This reel is the same in every respect insofar as action and operation are concerned, as the South Bend Level-Winding Anti-Back-Lash. It is so priced that every angler can now own a Level-Winding Anti-Back-Lash of South Bend construction.

Thumbing and spooling are entirely eliminated. It cannot back-lash, snarl or tangle, and it automatically spools itself, winding the line smooth and even. Like the Oreno Anti-Back-Lash it is of dual use and by a very simple adjustment can be converted into a straight level-winding reel.

Satin finish with double grip. Quadruple multiplying gear. Capacity 100 yards 14-to-20 pound test silk casting line. Spool diameter is 1¼ inches and 1¼ inches wide. One in a box. Weight 9 ounces.

No. 16B42. Each **5.56**

SOUTH BEND

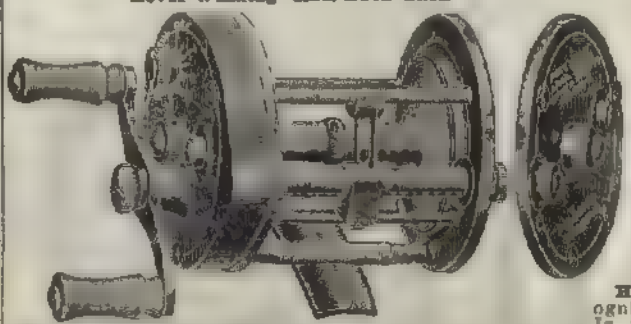
Level-Winding Anti-Back-Lash Reel

South Bend Level-Winding Anti-Back-Lash Reel, intended to make every cast a perfect cast so as to throw your bait and line accurately without a back-lash snarl or tangle, agate jeweled spool caps with adjustable spring tension grip, easily screwed off to permit oiling. Gearing is quadruple multiplying; crank has double grips of white ivoroid. Level-winding attachment winds the line evenly and closely upon the spool. Capacity 100 yards. Each in box complete with genuine leather case and practice casting weight.

No. 16B24. Each **10.78**

PFLUEGER SUPREME FISHING REEL

Level-Winding Anti-Back-Lash



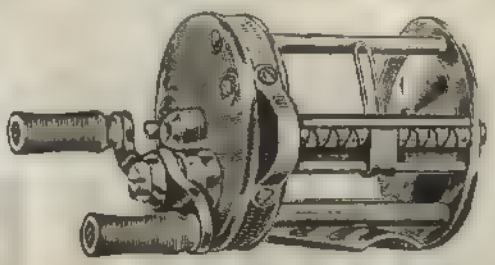
Pflueger Supreme Fishing Reel, level winding anti-back-lash quadruple multiplying, generated spiral tooth gears, steel pivots, tempered and polished. Phosphor bronze bearings, adjustable back sliding click, fancy balanced double handle crank.

Anti-Back-Lash mechanism, contained within the reel automatically thumbs the spool and stops the same instant the bait strikes the water, thus preventing all possibilities of back-lashing.

The Adjusting Screw with dial regulator so constructed that any tension desired can be secured by turning the adjusting screw, and can be thrown off altogether, thereby making an open level-winding reel. Will hold from 75 to 100 yards according to size of line used. A booklet describing and also giving instructions how to operate reel is inclosed.

No 16B39. Each **16 34**

HEDDON'S 3-35 LEVEL-WINDING REEL

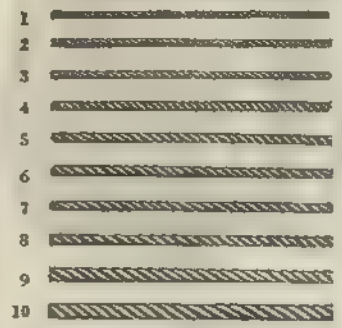


Heddon's Level Winding Reel, is up to the recognized high standard of quality in every respect. Is made of the best, tested, hard drawn, watch nickel; stud, shaft, pivots, and pinion are of Stubbs drill rod, hardened, oil tempered, ground to size and highly polished. Full quadruple multiplying with exactly the correct ratio of speed between the spool and line carriage to produce enough of that criss-cross of the line which prevents back-lashing. The spiral gears are of a special hard drawn phosphor bronze and are much stronger than are ordinarily used. Has a capacity of 100 yards of 15 pound test line. Equipped with Heddon designed double handle. Weight 9 ounces. Each reel furnished with one drop oil can, bottle reel oil and tube of high grade vaseline. In genuine leather reel case.

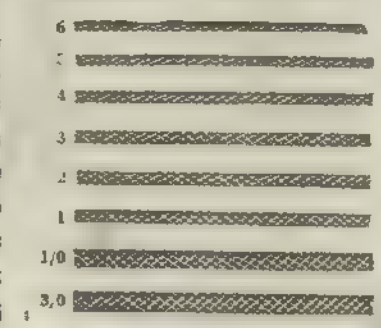
No. 16B28. Each **22.86**

FINE QUALITY FISH LINES

Twisted Line Sizes



Braided Line Sizes

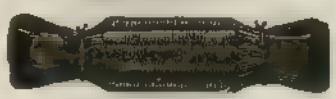


EUREKA COTTON LINES

Eureka Cotton Lines are hard, smooth spun in drab color, 15 ft. hanks, 12 connected, ½ gross in box

No	Size	Gross
17R1.	2	1.50
17R2.	4	1.90
17R3.	6	2.10
17R4.	8	2.85
17R5.	10	3.25

CHALK LINES



No. 17R8. Chalk Lines, select quality, twisted white chalk line, excellent for trolley fishing, size 13⅓, 20 ft. long, in hanks, 12 connected. ½ gross in box.

Per gross.. **4.00** | Per doz..... **.35**

No. 17R9. Chalk Line, same as above in 50 foot hanks.

Per gross.. **9.50** | Per doz..... **.80**

BRAIDED COTTON LINES

Variegated Braided Cotton Line, popular seller, good quality, size 5, 15 ft. hanks, 12 connected, ½ gross in box.

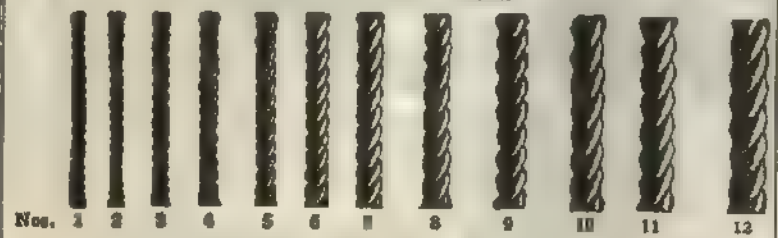
No.	Gross
17R11	2.25

HARD BRAIDED LINES

Hard Braided Variegated Cotton Line, nicely finished, smooth spun, hard braided lines, 25 ft. hanks, 12 connected. ½ gross in box.

No.	Size	Gross
17R12.	6	3.75
17R13.	4	4.25

COTTON TROT LINES



Finest Quality Cotton Trot Lines. Put up in 50 feet coils, 6 coils connected (300 feet) in bundle.

No.	Size	Per Doz. Coils
17R10/1.	1	.65
17R10/2.	2	.72
17R10/3.	3	.89
17R10/4.	4	1.00
17R10/5.	5	1.20
17R10/6.	6	1.34

No	Size	Per Doz Coils
17R10/7	7	1.65
17R10/8	8	2.10
17R10/9	9	2.25
17R10/10	10	2.45
17R10/11	11	2.70
17R10/12	12	3.10

BRAIDED COTTON LINES

"The Old Reliable" Cotton Line, braided in variegated colors, 84 ft. long, good, strong line, 6 loops connected, 1 dozen in box.

No.	Size	Gro.	Doz.
17R17.	6	7.75	.68
17R18.	5	7.75	.68
17R19	4	9.00	.78
17R20.	3	10.50	.90
17R21.	2	13.00	1.20
17R22.	1	15.00	1.30
17R23.	1-0	18.75	1.65
17R24.	2-0	24.00	2.10
17R25.	3-0	30.00	2.65

No. 17R31. Mill Pond Braided Line, size 5 medium, mottled color; strong and smooth, 30 ft. on card, 12 cards connected, 1 dozen in box

Per gross.. **4.75** | Per doz.... **.40**

Delavan Fish Line, in looks and wear is just like high priced genuine silk lines, black and white mottled. In finish they cannot be told apart. They will give appreciable satisfaction. 50 ft. lengths, each on paper tab, 4 connected, 1 dozen in box.

No	Size	Gross	Dozen
17R32.	6	9.00	.78
17R34.	5	9.25	.80
17R35.	4	9.50	.82

THE SHURE WINNER PRICE LIST

LIBERTY SEALED FIVE

The Perfectly Balanced "Low Loss"

RADIO RECEIVING SET

FIVE TUBES

FIVE TUBES

INSIST ON HAVING A RADIO SET WITH THESE QUALITIES

Delivers Pure Tone with Volume
Reproduces Music equal to Original
Brings In Stations You Want to Hear
Keeps Out Stations You Don't Want to Hear

The Liberty Sealed Five is Dependable at All Times

Receiving with the LIBERTY Sealed Five is like being connected to your distant station with a direct private wire. Even when powerful local stations are on, you can tune past them without interference. This is of greatest importance, as it enables you to draw your radio pleasure from nation-wide sources. If local stations do not please you, turn for a while to the **best** program from a dozen others. That's what makes a dependable radio set give so much pleasure!

And when once you have located a station it will always be found at exactly the same place on the dials.

Every part is the best obtainable—tested before being assembled, tested during assembly, and tested again in the final set. Result: a minimum loss of power, a minimum of internal interference. Simplicity of construction permits power to be tuned on the station you desire to receive. From 1,000 to 2,500 miles clearly on a loudspeaker is the usual record of the LIBERTY Sealed Five.

Each tube is controlled by a separate rheostat, although the average commercial set economizes by controlling **more than one** tube with a rheostat. Such practice is at the expense of good reception, because tubes in use are known to develop peculiarities. Tubes must be controlled separately to bring in distant stations clearly. All good sets have volume and pure tone **some of the time**; all hear distant stations **some of the time**. But the LIBERTY Sealed Five consistently, day-after-day does this, and in addition, is acutely selective in tuning! Steady performance certainly counts. Continually seeking great distance is fun for the operator.

The LIBERTY Sealed Five is as dependable as the clock on your mantle. It brings you unlimited entertainment—the kind you want—**as often as you want it.**

The sponsors of the LIBERTY Sealed Five have been marketing radio sets ever since radio became generally popular. They knew, therefore, the need for a radio set that was instant and "sure-fire" in operation.

Each complete in beautiful Two-Tone Walnut Cabinet.

No. 1B56. Liberty Five Receiver only
Each 50.00

Set Complete with

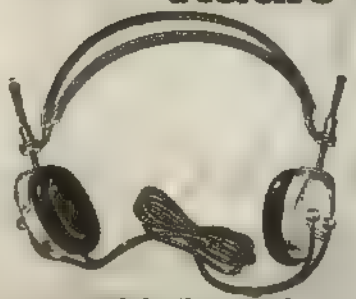
- 5 UX201A Tubes
- 2-45 Volt "B" batteries
- 1-6 Volt 100 Ampere storage battery
- 1 complete antenna outfit
- 1 phone plug
- 1 "Musette" loud speaker

No. 1B57. Each 88.64

Same as above with Seal Junior Soft Speaker, instead of Musette
No. 1B58. Each 89.69

WHOLESALE N. SHURE CO. CHICAGO

Radio Head Phones



The material used in the manufacture of this head set is the best possible to procure. The parts are carefully inspected and head set is thoroughly tested on an aerial after final assembly. A fine set at the price. Each in box.

No. 1R15.
Per dozen.....**21.00** Per set.....**1.80**

MURDOCK RADIO HEAD PHONES

"Murdock" Radio Headphones—(Mfrs. No. 56) Best quality steel bi-polar magnets, flat spring head band covered with black mercerized cotton webbing regulation phone cord. Each in box.

No. 1R16. 2,000 ohms. Per set..... Out
No. 1R17. 3,000 ohms. Per set..... Out

FROST FONES

Frost Fones hold their dominant position in the radio world because they are made right and sold at the right price. For those who wish the economies made possible by the aluminum shell type of construction, having highly polished drawn shells and composition caps. Each in box.

No. 1R18. 2,000 ohm headset.
Per set..... **1.95**

No. 1R19. 3,000 ohm headset.
Per set..... **2.30**

Kellogg Head Phone

Kellogg Headsets (Mfrs. No. 69A) have proven as sensitive and thoroughly efficient as they are light in weight and small in size. The magnets are of special tested steel eliminating any possible variation. The magnet windings are accurate, mountings and plates, wire, insulation etc., are of the best material. Each in box.

No. 1R20. 2,400 ohm headset.
Per set..... **4.35**

FROST-RADIO

FROST RADIO SINGLE AUTOMATIC PLUG

Single Automatic Cord Tip Plug. The neatest cord tip plug on the market. The cord tips are held by an automatic spring device which insures perfect contact and the quickest way possible to change from phones to loud speaker. Each in box, 10 in carton.

No. 4R26. Each..... **.25**

FROST RADIO DOUBLE AUTOMATIC PLUG

Double Automatic Cord Tip Plug. This plug is of the same design and is the same high grade material as the No. 4R26 plug. This plug takes two pairs of phones or two loud speakers. Each in box, 10 in carton.

No. 4R27. Each..... **.30**

FROST RADIO DOUBLE AUTOMATIC CORD TIP PLUG

Double Automatic Cord Tip Plug. The aristocrat of radio plugs. The cord tips are held by an automatic spring device which insures perfect contact. All metal parts are best grade electric brass, highly polished except the springs which are of the finest spring steel. Each in box, 10 in carton.

No. 4R53. Each **.45**

Frost Extension Cord

Frost-Radio Extension Cord is a convenient means of connecting receiving set and loud speaker. Set may be in one room, loud speaker in another without unsightly wires along ceiling or floor. Each in box.

No. 4R29.	10-ft. length.	Each.	1.10
No. 4R30.	20-ft. length.	Each	1.50
No. 4R31.	30-ft length	Each	1.70

Frost Radio Jac-Box

Frost-Radio-Jac-Box. This accessory enables four pairs of Frost Fones to be used at one time, or three pairs and a loud speaker, thus quadrupling any receiving set Jack capacity. Supplied in highly polished mahogany finish with green felt base and polished formica front and back panels. Each in box.

No. 4R28. Each complete..... **1.70**

Best Selling Numbers!

The Biggest Values on the Market—Stronger Construction, Better Appearance—Lower Prices!

Lloyd's Loom Woven Fiber Baby Carriages

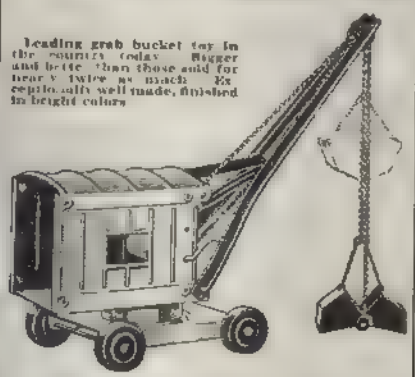
Pullman style carriage, 7 ft. 1 in. long, body and hood 15 in. wide, 15½ in. full enclosed. Has body and hood cast aluminum reversible gear, adjustable and with glass windows, strong steel springs, nickel trimmings and hub caps. Chassis is made from 1-inch tubing, 34 to wheels 9 in. rubber tires. Ship weight, 75 lbs.

1F1 55—Ivory finish
1F1 56—Gray finish
1F1 57—Blue finish
1F1386—Mahogany finish

Each **$21.00**

"Sampson" Grab Bucket Crane

Leading grab bucket toy in the country today. Bigger and better than those sold for twice as much. It's exceptionally well made, finished in bright colors.



1F2530—[illegible] in. revolving engine house, [illegible] red. Has [illegible] wood platform. Each in box. Packed 1 in carton. Each **$7.75**

Doz.

"Dandy Bike"

Very best materials, excellent workmanship even at this price. The lowest this quality goods have ever been sold for.

1F255—Measures 25 in. long, 18 in. high, [illegible] and 7 in. wire spoke wheels, red enameled seat, [illegible] and front fork shaped handle bars, wood grips, ¾ in. rubber tires. 3 in crate, 26 lbs. Each **$1.50**

6 or more, Each **$1.35**

Special Scooter Value

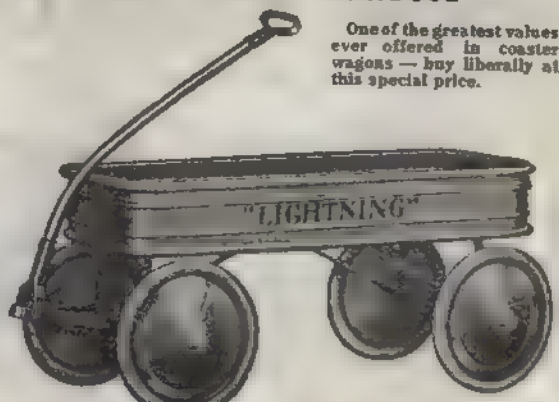
When you read these specifications and note the price, you'll find this is an exceptional value.

1F7—30 in. long, 32 in. high. Has enameled steel frame, red wood platform 12½ in. long, enameled handle bar, steel wheels, roller bearings, ¾ in. rear guard rubber tires, nickel trim. 11 in. turned wood grip with stand. In carton, 15 lbs.

Each **$2.25** 6 or more, Each **$2.00**

All Steel Coaster

One of the greatest values ever offered in coaster wagons — buy liberally at this special price.



1F115—"LIGHTNING." All Steel, 33½x14½ in., deep body, baked orange enamel finish, all steel platform, body and bolster, non-rusting construction throughout with strong steel riveted braces, 10 in. heavy duty red channeled double disc steel wheels, self-contained roller bearings, balloon type 2½ in. rubber tires, curved tubular steel handle. 1 in crate, 55 lbs.

Each **$4.60** Lots of 6, Each **$4.50**

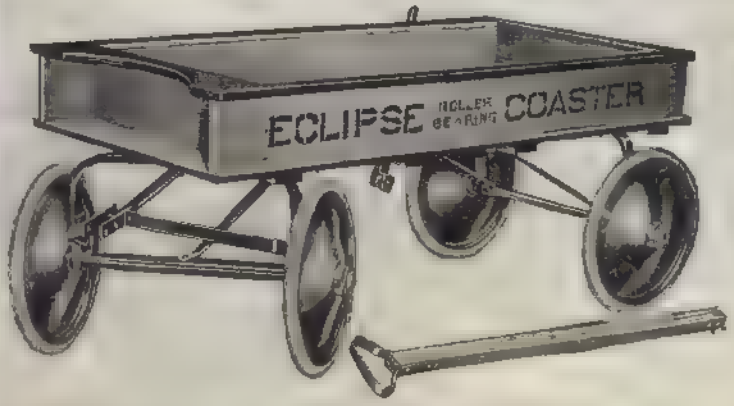
Disc Wheel Pedal Bike—With Bell

Note the solid construction and unusually low price.

1F259—25½ in. long, red enamel shaped wood seat, 10 in. long, black enameled steel frame, nickel bell, has enameled disc wheels, 8 in. front and 7 in. rear, solid rubber pedals, nickel hub caps, 2¼ in. rubber tires. 3 in crate, 40 lbs.

Each **$2.00** 6 or more, Each **$1.90**

"Eclipse" Roller Bearing Coaster Wagon



Offered in small quantities at a price usually required for carload purchases. The "Eclipse" is a well constructed wagon, fully guaranteed by ourselves and the manufacturers. Our price enables you to meet any price competition.

1F90—36 in. long, 16 in. wide, natural varnished hardwood body, red enamel trim, black enameled channel steel construction, wood handle with steel "D" grip, 10 in. red enameled steel double disc roller bearing wheels, ¾ in. rubber tires, nickel hub caps, roller brakes. Each in dustproof carton, 33 lbs.

EACH **$4.00** 6 or more, EACH **$3.85**

"OLYMPIC" ROLLER BEARING RACER

Steel Disc Wheels With Balloon Type Tires

In the Olympic Racer we offer a popular wagon with wonderful features of construction It is a leader not only in the construction features which give you talking points for selling, but it is PRICED TO BEAT COMPETITION.

$4.40 Each In lots of 12

1F83

Note What You Get!

Body Made of selected well seasoned white ash with buckeye sides, 4 heavy bottom cleats, varnished natural finish, red painted top rail, varnished wood handle and steel "D" grip.

Construction: All steel gear throughout, strongly braced, black enameled finish.

Wheels Red enamel double disc wheels, self-retained roller bearings, nickel plated hub caps.

Tires: Corrugated balloon type tires.

Brake: Improved roller type.

Finish: Black printed "Olympic Roller Bearing Racer."

Packing: Each in dustproof carton.

1F83— 36x16 in. body, 9¾ in. wheels, 15/16 in rubber tires. Each in dustproof carton, 35 lbs.

Singly Each	Lots of 6 Each	Lots of 12 Each
$4.75	**$4.50**	**$4.40**

"FLEETFOOT" ROLLER BEARING COASTER

Selected white ash body, extra wide disc wheels, all steel holster construction, 15/16 in. corrugated balloon type rubber tires.

1F119—Body 32x14 in., 10 in. double disc wheels with 15/16 in. rubber tires, self-retained roller bearings, nickel plated hub caps, black enameled all steel gear construction.

1 in dustproof carton, 37 lbs. Each **$5.25** Lots of 24, Each **$5.00**

1F121—Body 32x16 in., 10 in. double disc wheels with 15/16 in. rubber tires, self-retained roller bearings, nickel plated hub caps, black enameled all steel gear construction

1 in dustproof carton, 38 lbs. Each Out Lots of 24, Each Out

Quantity prices apply on lots of 24 wagons, straight or assorted sizes.

"CYCLONE" ALL STEEL FLYER

Our Cyclone all steel flyer is practically indestructible—yet it is the best looking coaster on the market Note these features

Body with large roll on top and bottom, further reinforced with six cleats on sides

Body easily detached from platform

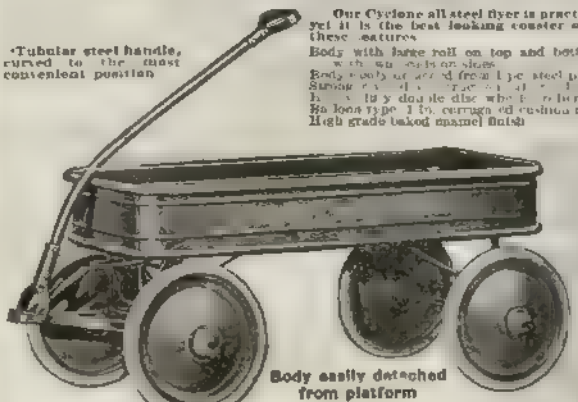
Strong steel braces with rivets, all parts painted

Handle has long double disc wheels with ball bearings

Extra long type 1 in. corrugated cushion rubber tires.

High grade baked enamel finish

Tubular steel handle, curved to the most convenient position



Singly Each **$5.50**

Lots of 6 Each **$5.25**

1F118—33 x14 in. extra deep body, Indian red enameled. One piece steel platform truck with rivets. Fifth wheel gear riveted to platform and black enameled. Strong steel braces with rivets, long centers throughout. Heavy duty double disc steel wheels 9½ in. diameter with self-retained roller bearings and each with hole for oiling. Balloon type 1 in rubber tires. Curved handle. Each in extra heavy carton 44 lbs. 40 lbs

"TEENIE WEENIE" COASTER WAGONS

There are large sizes to be had on these sturdy little wagons Well selected clean lumber, varnished and nicely finished throughout, double disc steel wheels with rubber tires

Every Little Tot Wants One

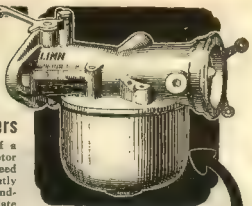
Well selected varnished hardwood bodies, red trim top and side rails and base boards, ¾ in hard maple bolsters, wood handle with "D" grip and heavy iron fixtures, red enamel double disc wheels, ¾ in. rubber tires, hub caps

1F65— Body 24½x20 in., 6 in. wheels attached to bolsters with screws. 2 in carton, 14 lbs Each **$1.65**

1F66— Body 12 x24 in., 6 in. wheels attached with [illegible] 2 in carton, 19 lbs Each **2.20**

1F64— [illegible] in., 8 in. wheels attached with roller [illegible] 2 in carton, 26 lbs Each **2.90**

The LINN Non-Adjustable CARBURETOR $9.50



Satisfies Every Demand of Ford Owners

For FORDS

The Linn gets the best out of a Ford always by feeding the motor the right fuel diet for every need and speed. Performs efficiently and constantly, affording dependable and flexible control, from date of installation.

Sold on 30-day money-back guarantee if not satisfactory. Guaranteed one year against defective construction.

"Fool Proof"—No Adjustments—No Extra Devices
It Sells Itself—5 Minutes Installs It
REQUIRES NO SERVICE
PROFITABLE TO HANDLE

Linn Atomizing Principle

Accomplished by the Multiple Orifice Compensating Tube admitting gasoline at a terrific speed which mixes with air in such a way as to produce a powerful, dry and unexpanded highly explosive mixture. Quality of mixture inherently controlled to suit climatic changes and to negotiate all grades of gasoline from high to low test.

Write for Descriptive Folder and Our Profitable Proposition to Dealers and Jobbers
Now in Process of Adaptation for Other Makes of Cars
Every Carburetor individually tested on Ford Engine before leaving factory

LINN MOTOR DEVICE CO. *Mfrs.* 404 N. RICHLAND ST. *HOMEWOOD* Pittsburgh, Pa.

This is the Selling Season! Push These Balloon Jacks!

Now is the time when everybody is using his car—and now is the time to sell balloon jacks to balloon tire users.

Here is a good sales tip for you: Most of the cars factory equipped with balloon tires are not equipped with balloon jacks!

What could be easier for you than to sell these owners easy-working Reliable Balloon Tire Jacks? The long handle, double screw construction and maximum extended height with minimum starting height, are features which will make sales easy. Try it and see!

Any jobber can supply you with the No. 7 and No. 15 as well as the No. 12 for heavy pneumatic tired trucks and the No. 18 for all types of buses.

ELITE MANUFACTURING COMPANY
DEPT. AT-5 ASHLAND, OHIO

Northwestern Branch
G. A. Ashton Co., St. Paul, Minn
(Complete stock carried in Ashton Bldg.)
Southwestern Branch
The Carroll Co., Dallas, Texas
(Complete stock carried in Carroll Warehouse)

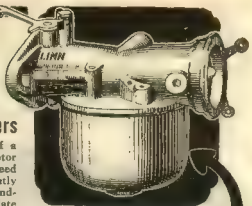
No. 7 Reliable Balloon Tire Jack, retails for $7.50.

RELIABLE BALLOON TIRE JACKS

Sales Representatives:
Motor Products Co.
149 Church St., New York, N. Y.
The L. E. Spencer Co.
704 Stahlman Bldg., Nashville, Tenn
A. E. Mokrie
1450 Pine Street, San Francisco, Cal

No. 15 Reliable Balloon Tire Jack, retails for $5.00

The LINN Non-Adjustable CARBURETOR $9.50



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ZAPON

LEATHER CLOTH

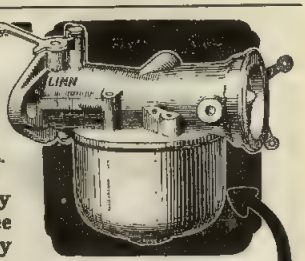
its beauty is permanent

The beauty of Zapon Leather Cloth is ever an asset to the Zapon covered car. Zapon never gets old looking. Its color never fades. Its beauty, therefore, is permanent.

THE ZAPON COMPANY
Park-Lexington Building
Park Ave. at 46th St.,
New York City
Branch #925-80 Buhl Building, Detroit

ZAPON

The LINN Non-Adjustable CARBURETOR $9.50



By Parcel Post Anywhere in U. S.
In Canada **$13.75** Anywhere

For FORDS

Sold On Thirty-Day Money-Back Guarantee If Not Satisfactory

The Linn Non-Adjustable Carburetor insures smooth acceleration—easy starting—utmost fuel power—greatest efficiency at all speeds—no spark knocks—no vibration—perfect combustion under all climatic changes with every grade of fuel—most mileage—and general operating economy making Every Ford a Better Ford.

POSITIVELY "FOOL PROOF"

No adjustments—No moving parts - No auxiliary devices
Anyone Can Install a Linn in 5 Minutes

THE LINN PRINCIPLE

A multiple orifice or atomization tube accomplishing highest atomization of gasoline.

ATOMIZING TUBE

Fuel mixture quality inherently controlled provides perfect combustion; simple construction, no moving parts.

ORDER DIRECT FROM FACTORY IF DEALER CANNOT SUPPLY

Attractive Jobber and Dealer proposition

LINN MOTOR DEVICE CO. *Mfrs.* 404 N. RICHLAND ST. *HOMEWOOD* Pittsburgh, Pa.

LOBSTER PACKER'S SCALE GALVANIZED

Fitted with two round iron plates, slightly convex and heavily galvanized. Equipped with *agate bearings* and nickel-plated pivots and can be furnished with or without side beam.

No.		Capacity	List Price without weights
816 820	L. P. without side beam L. P. with side beam 8 oz. capacity ...	2 lb. 2 lb.	$20.80 22.80

BOTTLE TESTING SCALE

This scale is used in glass blowing to determine whether or not the bottles are up to standard. It is accurate and sensitive, being built especially stable and strong to withstand the effects of this rough and constant usage.

The scale is of the regular counter type, fitted with special brass double beam and set-screw poise. Both beams are graduated 1 lb. x ¼ oz. Fitted with a round brass load-plate 7 inches in diameter. Durably and attractively finished in baked enamel, maroon color

No.	Capacity	Plate	List Price
467	2 lbs x ¼ oz.	7" diam.	$35.00

FINE SCALE

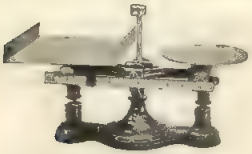
WITH TWO PANS AND DOUBLE BEAM

This is a very practical small scale, used principally by photographers, but as well for general laboratory work. For photographic use it combines in one, the two scales ordinarily needed in this service, being fitted with two pans and a double beam to weigh both in grains and avoirdupois ounces.

The front bar of the beam is graduated 60 x 1 grains and is used with the small pan on the right. The rear bar is graduated 8 x ⅛ ounces avoirdupois and is used with the large pan at the left. Both bars are notched, the rear one having a sliding poise and the front one a rider. Both pans are of nickel-plated brass of a form suitable for materials to be weighed and fitted with a handle for convenient lifting. The small pan is 2½ inches in diameter and the large pan, 4½ inches in diameter. The beam and poises are also nickel-plated, the stand being finished in black.

No.	Capacity	Pans Diameter	List Price
3025	Front bar, 60 x 1 grains..... Back bar, 8 x ⅛ oz. avoirdupois	2½" and 4½"	$23.00

EVEN BALANCE SILK SCALES



Designed for weighing silk, it is equipped with agate bearings throughout and is very sensitive.

The pan, weight plate and indicator, are of polished brass. Scale is finished in maroon, handsomely ornamented.

Side beam is graduated 1 x 1-100 oz., and no weights smaller than 1 oz. are required.

No.	Capacity	Platform	Price Without Weights
902.	8 lbs x 1-100 oz	7½" x 9"	$52.00

GROCERS' TRIP SCALES

Trip Scale with Side Beam

These scoop scales are adapted to weigh a great variety of loose materials, such as are handled to a great extent by the grocer. These scales are fitted with seamless brass scoop and iron plate.

The scales may be fitted throughout with *agate bearings* at an extra cost and also with side beam. Nickel-plated loose weights in convenient units give up to full capacity. Finished in durable and attractive baked enamel, maroon color.

Instead of the oval regularly furnished a funnel scoop may be furnished at a slight extra cost.

These scales always sent with weights unless ordered "without weights."

Without Side Beam

No.	Capacity Lbs.	Price Without Weights	Price With Iron Weights
709	16	$26.00	$33.00
710	10	21.00	26.00
711	6	16.00	20.00
712	2	15.00	17.00

With Side Beam

No.	Capacity Lbs.	Price Without Weights	Price With Iron Weights
713	16	$29.80	$34.00
714	10	23.80	26.00
715	6	18.00	20.00
716	2	16.50	17.00

DRUGGISTS' TRIP SCALES

These scales are equipped with a round brass pan of a size convenient for weighing materials in bags or other containers. They have one pan with weight plate of iron, or two similar brass pans adapted for weighing drugs or other merchandise.

They are furnished with or without side-beam as shown, and with agate bearings if desired, at an additional price.

Nickel-plated loose weights in convenient units make up the full capacity. Finished in durable and attractive baked enamel, maroon color.

Scales will be sent with weights unless otherwise ordered.

Without Side Beam

No.	Capacity Lbs.	Price Without Weights	Price With Iron Weights
877	16	$28.00	$34.00
878	10	21.00	26.00
879	6	19.00	23.00
880	2	17.00	20.00

With Side Beam

881	16	$32.00	$46 00
882	10	27.00	30.00
883	6	24.00	26 00
884	2	22.50	23.00

HARVARD TRIP SCALES

Originally designed for Harvard University for elementary experiments in physics and chemistry, yet recognizing the need of such an instrument for general laboratory use, the scale is made with great care both in respect to accuracy and durability.

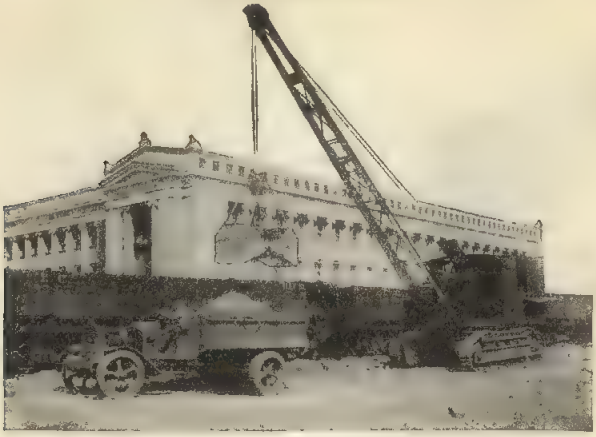
Fitted with two 6-inch porcelain plates, side beam 5 x 1-10 grams, upright indicator and balance adjustment.

Scale finished in black, well ornamented, with all brass parts nickel-plated.

Extra charge will be made for fitting this scale with agate bearings.

No.		Price
932	Capacity 1 kilo x 1-10 gram. Without Weights	$19.00
	Set Iron Nest Weights, hexagonal pattern, 1 kilo to 5 grams Extra	4 00

Locomotive Crane



Dependable Flexible Tread Cranes

Steam, Gasoline and Electrically Operated

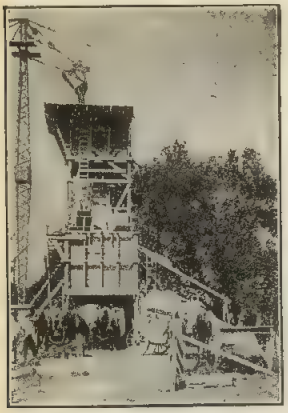
The outstanding feature of this Crane is its flexible (spring type) crawling tread. No other machine on the market is equipped with this "shock absorber of the crane."

The tread conforms to the uneven surface of the road and maintains a uniform pressure upon every square inch of the traveling base of the tread. The weight of the crane is carried by two large steel sprockets at both ends of the tread, and by a number of pairs of chilled tread rollers. Each pair of rollers is carried in an equalizer which is backed up by a specially constructed heavy coiled spring. When traveling over railroad tracks or other obstructions the rollers deflect enough to develop an equal pressure on each tread.

It is readily seen that an unbalanced carbody puts considerable strain on the engine and running mechanism of a crane. With the Flexible Tread Equipment all secondary stresses are practically eliminated. It is surprising to note how this feature adds to the long life of the crane.

The tread links are made of high carbon steel and of exceptionally heavy section. The rollers and sprockets are bronze bushed. Alemite lubrication system insures smoothness in the functioning of the springs, treads and rollers. The TREADS ARE OVERLAPPED AT ALL TIMES, making it almost IMPOSSIBLE for hard material to work in between them and cause breakage.

The treads are steered from the cab with the turntable in any position. Steering is done by the use of a DIFFERENTIAL and by FRICTION BRAKES. Each differential shaft has a brake which permits either tread to be retarded or stopped while the opposite tread goes backward or forward. The main sprocket is driven by large shafts and heavy slowmoving steel gears. NO CHAINS ARE USED IN THE DRIVE.



Drag Line Excavator Equipment

Drag Line Excavators

For rapidly, economically digging bank or bed materials, in the dry or from under water, there is no more satisfactory device than the Pioneer Improved Drag Line Excavator. It is shovel, conveyor and elevator; and it is operated wholly by one man. Low in first cost and in maintenance expense, economical in wages and power costs for operation, and rapid in direct and dependable delivery of materials, this excavator shows yardage cost so low as to make its use very profitable in many lines of work.

The Drag Line Excavator is extensively used for delivery of materials to sand and gravel washing plants, and many outfits have been furnished in connection with plants of this character—not only with new Channon plants, but also for older plants of other original design. In this work there is often special advantage in the ability of the drag line excavator to dig from below water as readily as in the dry. It is also adapted for carrying the material back into the worked-over excavations.

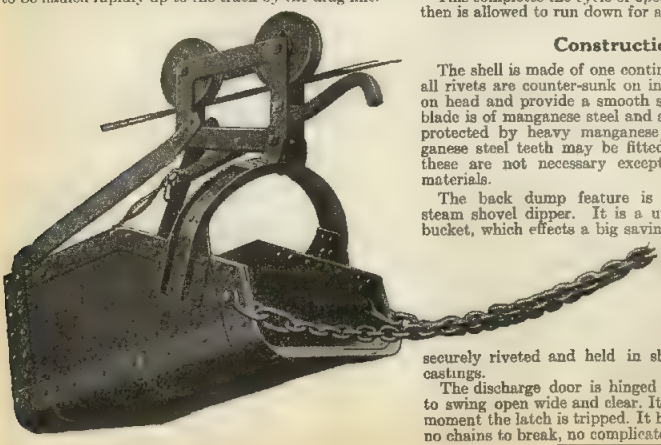
Method of Operation

The excavator bucket is suspended from a trolley which runs on an inclined wire rope track, extending from the upper end of a mast of proper height—50 to 100 feet—to any suitable anchor or bridle line—out where the materials are to be dug. The inclination must be such that the bucket and trolley will run rapidly and freely down.

A two-drum hoist operates the excavator. From one drum runs a rope to the top of the mast, where it is reeved through a pair of blocks, one attached to the mast, and the other to the track rope. This is called the "slack line," as it slackens and tightens the track line. The rope from the other drum runs from the block on the mast to the draft chains on the front of the bucket. When the clutch on the drag line drum is released the bucket runs down the trolley, its speed is controlled by a brake at the hoist. Reaching a point over the material to be dug, the track line is lowered by paying out the slack line at the hoist. When the bucket rests on the material the hoist hauls in on the drag line and the bucket picks up its load as dragged forward. Then the slack line is hauled in, raising the track line and lifting the bucket out of the material, to be hauled rapidly up to the track by the drag line.

At the dumping point which may be anywhere along the track line—the dumping lever ahead of the bucket strikes a stop-casting clamped to the track line (see the illustration above), causing the rear dump gate to open and the material to drop out.

This completes the cycle of operation and the bucket then is allowed to run down for another load.



Construction

The shell is made of one continuous steel plate, and all rivets are counter-sunk on inside to prevent wear on head and provide a smooth surface. The digging blade is of manganese steel and all wearing points are protected by heavy manganese steel plates. Manganese steel teeth may be fitted over the blade but these are not necessary except in extremely hard materials.

The back dump feature is patterned after the steam shovel dipper. It is a unique feature of this bucket, which effects a big saving of time and power.

The sheaves are of cast steel. Self-lubricating and bronze bushed they revolve on a steel pin with bronze sleeve. The bucket throughout is securely riveted and held in shape by strong steel castings.

The discharge door is hinged off center, causing it to swing open wide and clear. It dumps instantly the moment the latch is tripped. It has few parts to wear, no chains to break, no complicated mechanism.

Leader, Musette and Saal Loud Speakers

THE LEADER

"The Leader" Loud Speaker, made of genuine fibre, thereby eliminating all tin or metal sound; has 10-inch diameter bell, sporting arm 23 inches high mounted on a base of solid cast iron and is full nickeled. **This truly wonderful reproducer combines true reproduction of voice and music in every detail.** An external adjustment provides control of volume. Each in box.

No. 1R23. Each... **6.75**

Frost Radio Musette is the very latest development in loud speakers. It secures a true reproduction of the human voice and all musical instruments. There are no degrees of tone or pitch which it will not reproduce accurately. The large correctly shaped bell, base and throat are crackle finish. Complete with cord.

Height 22½ inches. Each in box.

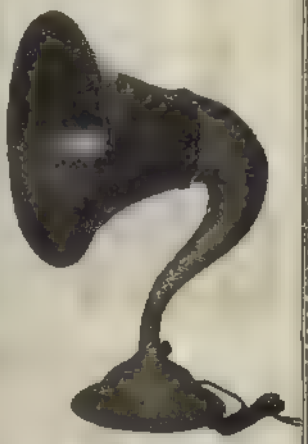
No. 1R24. Each. **8.25**

SAAL JUNIOR SOFT SPEAKER

Saal Junior Soft Speaker is an ideal speaker that will recreate the true, original tones of the artist. From the sound chamber upward to the very tip of the bell unrestricted amplification reproduces with absolute fidelity all the radio broadcast. No battery or power is needed, just plug in and you have your program. Height 21½ inches, black crackle finish with 12-inch bell. Each in box.

No. 1R26. Each **9.30**

SAAL



Saal Soft Speaker. No blast, no distortion. Scientifically and gracefully designed. **No battery or power needed.** Height 21½ inches. Finished in black crackle with 13-inch black bakelite bell. Each in box.

No. 1R25. Each.. **15.00**

Leader Loud Speaker Unit

For Connecting Radio with Phonograph

The Leader loud speaker unit, invented and designed by an expert in acoustics, reproduces so perfectly the voice or music that you can shut your eyes and believe that the concert being played across the continent is really going on in your house. No harsh vibrations or rattles. Finished in bakelite and aluminum. Connection permits attaching to almost any standard phonograph and horn. Each in box.

No. 1R21. Each..... **2.45**

Frost-Radio Musette

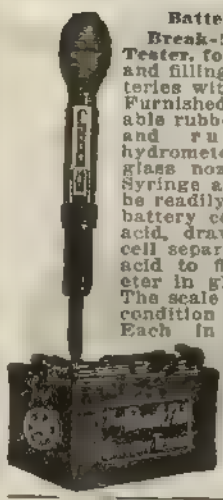
For Connecting Radio with Phonograph

By using this unit and attachment any standard make of phonograph may be converted into a loud speaker at a very low cost. This is the same aluminum unit as is used in Musette. It is remarkably sensitive, powerful and insures true reproduction of all tones without distortion. Each in box.

No. 1R22. Each..... **4.55**

Radio Necessities

Battery Tester



Break-Not Battery Tester, for testing acid and filling storage batteries with electrolyte. Furnished with durable rubber bulb, glass and rubber tube hydrometer connecting glass nozzle to body. Syringe allows acid to be readily drawn from battery cells. To test acid, draw from each cell separately enough acid to float hydrometer in glass test jar. The scale indicates the condition of battery. Each in screw top, metal end, pasteboard tube

No. 15C192. Each **.65**

Voltmeter

Designed for voltage measurements of 22½ and 45 volt blocks of "B" batteries of either dry cell or storage type

0-50 volt scale, 1-volt divisions.

Voltmeter	Leader Cheaper Quality
No. 4R25 Sterling	No. 4R24
Each..1.50	Each... .60

Complete Antenna Outfit

Complete Antenna Outfit. Includes all materials necessary to erect an aerial. There are ten different items: 100 feet antenna wire, 50 feet insulated lead in and ground wire, 25 feet insulated interior connecting wire, 2 high duty insulators, 2 screw eyes 3 porcelain knobs and screws, 1 ground clamp, 12 insulated staples, 1 6-inch porcelain bushing, 1 storm king lightning arrester. With complete instructions for erecting. Each set in carton

No. 4R16. Each complete.. **2.50**

Balkite Trickle Charger
For Charging Radio "A" Batteries

A low rate charger for 4 and 6-volt "A" storage batteries

Specially adapted to use with sets of relatively small "A" current requirements—dry cell sets and sets having a small number of storage battery tubes.

With a low capacity storage battery of the sort commonly used with dry cell tubes makes possible a very economical installation with sets using these tubes.

Will furnish more current than is used by six dry cell tubes so that if the charger is used while the set is in operation it need not be used at any other time

Also adapted to use with the usual type of storage battery if allowed to charge for longer periods. Will furnish current necessary for as many as 8 storage battery (201-A) tubes if the charger is allowed to "trickle charge" continuously

Size 5¾ inches long, 2¾ inches wide, 5 inches high. It may be put in the usual dry cell compartment. Shipping weight, approximately 3 lbs. Charging rate, ½ ampere with a 4-volt 2-cell storage "A" battery, .4 ampere with the 6-volt 3 cell storage battery

Characteristics and principles of operation the same as those of the standard Balkite battery charger. Current consumption less than that of a 10 watt lamp. Shipped dry, without electrolyte, which may be purchased from us or standard battery electrolyte may be used. Operates from 110-120 A.C. 60 cycle current. Each in box.

No. 3R17. Each **6.86** Each (in lots of 6) **6.50**

Fansteel Balkite Battery Charger

The Fansteel Balkite Battery Charger, is especially designed for Radio "A" & "B" batteries A noiseless, bulbless battery charger unfailing in operation. It has no moving parts or bulbs, nothing to adjust, break or get out of order. Cannot discharge or short circuit the battery; requires no attention other than occasional filling with distilled water, will not over-charge; cannot fail to operate when connected to battery and line current, simple, effective and indestructible. May be used while radio set is in operation

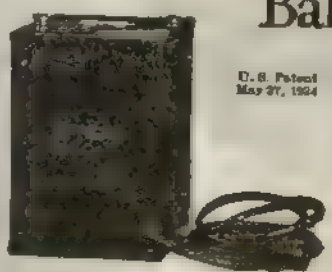
No. 3R15. Each **13.38** Each (in lots of 6)..... **12.67**

Fansteel Balkite "B"

This is a new model, designed especially to serve sets of five tubes or less, or sets where four 22½ volt blocks of dry batteries are recommended Current cost about that of a 10-watt lamp. Size: 8¼ inches long, 8 inches high, 3¾ inches wide. Occupies approximately the same space as a 45-volt dry "B" battery. Operates from 110-130 A.C. 60 cycle current. Each in box

No. 3R18. Each **24.01** Each (in lots of 6)..... **22.75**

Balkite "B" II



Balkite "B" replaces the "B" battery and gives a positive, unfailing source of plate current supply. It keeps the "B" circuit always operating at maximum efficiency, for with its use the plate supply current is never low. It delivers at all times the current given by four or five 22½ volt dry "B" batteries. It can be put in operation at any time by connecting it to a light socket. No change or additions to the set is necessary. It has nothing to break, replace, wear out or get out of order and requires no attention. The current consumption for operating is under one-tenth of one cent per hour

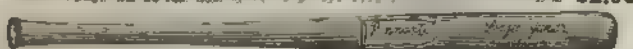
No. 3R16. Each..... **37.73** Each (in lots of 6)..... **35.75**

The "Lots of 6 Price" will apply on "Balkite goods" assorted as well as of one kind

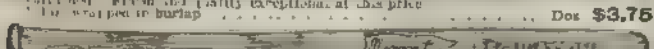
"PENNANT" BASEBALL BATS

1K607— Leader, 28 in., hardwood, green stained flame burnt and varnished. Sold in any quantity. Wt. 16 lbs. doz. Doz **$1.20**

1K608— Boys' League," 28 in., stocky hardwood stick, flame [illegible] Packed in pkg., wt. 16 lbs. doz. Doz **$2.00**

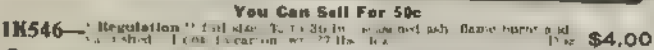


1K351— League Jr., 34 in., straight grain ash, clear natural finish, flame burnt and varnished. Finish and quality exceptional at this price. Packed one to a wrapper in burlap. Doz **$3.75**

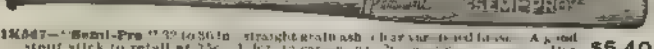


You Can Sell For 50c

1K546— "Regulation" full size, 34 to 36 in., seasoned ash, flame burnt and polished. Packed 1 dozen in carton, wt. 22 lbs. doz. Doz **$4.00**



1K547— "Semi-Pro" 32 to 36 in., straight grain ash, clear natural finish. A good stout stick to retail at 75c. Packed 1 doz. in carton, wt. 22 lbs. doz. Doz **$5.40**



1K505— Black Beauty, 32 to 36 in., regulation size, selected seasoned ash, ebony finish, taped handle, [illegible] Packed 1 doz. in carton, wt. 22 lbs. doz. Doz **$6.80**

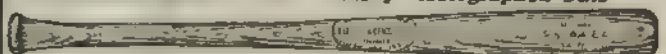
Greatest Bat Value We Ever Offered

1K598— Professional, 32 to 36 in., finest air seasoned white ash, assorted models and rich finishes, pin and taped handles. A variety to retail at 50c. 1 doz. in carton. Doz **$7.85**

1K660— "Official" Cloutor, 32 to 36 in., regulation size, [illegible] seasoned ash, clear natural finish, varnished and polished. 1 doz. in paper sack. Sold in any quantity. Wt. 28 lbs. doz. Doz **$10.80**

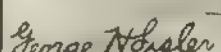
"LOUISVILLE SLUGGER" BATS

Famous "Hillerich and Bradsby" Autographed Bats

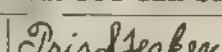


The big league bat, used by the famous sluggers, each bat branded with photo and signature of player. Finest selection of second growth straight grained ash, seasoned for 2 years, hand burnt and finished, varnished and polished. 1 in paper pkg.

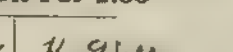
Favorites That You Can Sell For 2.00



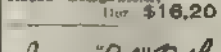
1K605—George Sisler, Doz **$16.20**



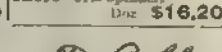
1K596—Tris Speaker, Doz **$16.20**



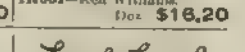
1K601—Ken Williams, Doz **$16.20**



1K606—Babe Ruth, Doz **$16.20**

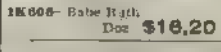


1K600—Ty Cobb, Doz **$16.20**



1K603—Frank Frisch, Doz **$16.20**

1K602—Babe Ruth, jr., [illegible] Doz **$7.20**



1K601—Harry Heilmann, Doz **$16.20**

HILLERICH & BRADSBY'S INDOOR BASEBALL BAT

1K540—33 in., straight grained ash, flame burnt and polished, tape handle. Sold in any quantity. Doz **$6.75**

IMPROVED "VARIETY" BAT ASSORTMENT

1K611— A [illegible] hardwood bats of the popular models and finishes. Asstd. as follows:

Rets. Lgt.	
24	Boys' League, 28 in. [illegible]
12	Regulation, 34 to 36 in. [illegible]
6	Semi-Pro, [illegible]
6	Black Beauty, 34 to 36 in. $1.00

Asstd. 48 bats in crate. $ .00

ASST. 48 bats) **$14.30**

BASEBALL UNIFORMS and SUNDRIES

"PENNANT" UNIFORMS—IN STOCK

In stock ready for immediate delivery

Swatches furnished on request. Show the local teams cloth samples and tell them you can get prompt delivery

Important Note—Our quotations are for uniforms complete, 8 pcs., shirt, pants, cap, hose and belt, complete in box. All our suits are cut over extra large, roomy athletic patterns allowing freedom of action

Shirts—Double row silk soutache braid on back front and sleeves.
Pants—Canvas stayed waist, double crotch, back seam tape reinforced, elastic bottoms, belt loops and tunnel, roomy hip pockets.
Caps—Cloth matches suit, green lined visors.
Belts—Heavy solid leather.
Hose—Footless, 4 in. calf band.

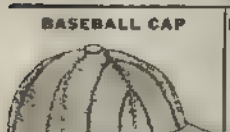
1K650-20 — SEMI-PRO, MEN'S, gray with navy and maroon check stripes, made of flannel you can guarantee to be the toughest wearing goods made. [illegible] SPECIFY SIZES. Suit **$5.50**

1K655 — PROFESSIONAL, MEN'S [illegible] gray with navy and maroon [illegible] SPECIFY SIZES. Suit **$7.50**

1K657 — MEN'S worsted [illegible] gray with [illegible] SPECIFY SIZES. Suit **$10.00**

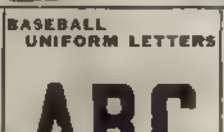
1K658 — SPECIAL, [illegible] SPECIFY SIZES. Suit **$3.25**

BASEBALL CAP



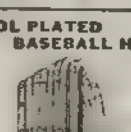
1K666 Gray athletic flannel with woven green stripes. Cut 1 seams, leatherette sweat band, green visor. Assts. sizes, 6¾ to 7⅞. Asstd. 1 doz. in box. Doz **$6.00**

BASEBALL UNIFORM LETTERS



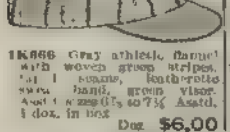
1K663—3½ in. high, black felt, block type, stitched on with cement or collars adhesive material. SPECIFY LETTERS. Each 3c

WOOL PLATED BASEBALL HOSE



1K662—Wool plated, heavy ribbed, [illegible] calf, footless. 6 doz. to box. Doz **$11.50**

ATHLETIC VISOR



1K667—For all forms of athletics, for automobile drivers, muslin lined felt head band with elastic band, 1 size fits all. Sports green [illegible] all visor. 1 doz. in box with display card. Doz **$4.00**

"PENNANT" MASKS

Eye shield wire frames, welded joints.

1K708— Fourth leather covered pads, [illegible] with straps and buckles. In box. Each **$1.35**

1K707— **Professional,** full size, continuous 1 pc. leather faced pad, sewed to frame, chin protector to form harness with web strap, 1 buckle and 1 cord. 1 in box. Each **$2.75**

1K709— Professional, full size, [illegible] pad laced to frame, chin protector [illegible] with web strap, 1 nickel [illegible] 1 in box. Each **$3.80**

1K705— "Johnstone," patented [illegible] pad, [illegible] frame, [illegible] to frame. 1 in box. Each **$8.50**

BODY PROTECTORS

To Sell For $5.00

"Pennant" Brand

1K705— "Professional," full size, [illegible] proof [illegible] proof elastic [illegible] leather bound, all-position adjusting web harness. 1 in box. Each **$3.50**

To Sell For $15.00

New "Airopad"

1K704— Entirely [illegible] principle, heavy [illegible] rubber [illegible] proof, [illegible] proof shoulder [illegible] [illegible] harness, offers the maximum in protection, a real big league protector, covered with double filled army duck, leather bound. 1 in box. Each **$11.50**

"Pennant" Sprint Model Baseball Shoe

There's no space between uppers and soles for mud to accumulate. Also note that it can be folded double without injury

1K730— Black calf upper, folded edge, tough, soft, pliable ¾ leather lined, long arch supporting fiber counters, leather lined, hand beveled light weight oak tap soles and heels, beveled flush toupper steel plate inserted in sole prevents sp[illegible] injuring ball of foot. Forged plates. [illegible] SPECIFY [illegible] **$3.50**

FOR THE BEGINNER GOLF FOR THE EXPERIENCED

Wide range of prices—wide variety of items. In golf outfits especially, there's big profit and quick turn for you at the prices which we name.

GOLF BALLS

"Streak"—Recessed

1K885—"Streak," manufactured by Thos. E. Wilson & Co., new process of manufacture makes everything practically indestructible to withstand the most severe punishment and at the same time retains its long flight qualities. 1 doz. in carton. Doz **$4.50**

"Gray Goose," Recessed

1K879—"Gray Goose," long flight qualities, nationally advertised one of the famous sellers on the market, standard size and set. A popular 75c seller. In 1 doz. individual containers, 1 doz. in carton. Doz **$6.50**

"U. S. Royal"

Made by U. S. Rubber Co. standard weight, correct size, scientifically constructed. For easy identification each ball carries a numeral 1 2, 3 or 4. 3 balls of each number to carton. 1 doz. in carton.

Doz
1K883—Meshed
1K888—Recessed } **$6.50**

"Pinehurst" Red Name

Standard 1.62 made by Thos. E. Wilson & Co., extensively by Walter Hagen, Horton Smith, Jock Hutchison, Harry Cooper, Leo Diegel, Tommy Armour, Johnny Farrell, Gene Sarazen, Macdonald Smith, Paul Runyan, Craig Wood, Byron Nelson, Ralph Guldahl, Sam Snead, Ben Hogan, Henry Picard, Lawson Little, Horton Smith, Jimmy Thomson, Ky Laffoon, Ed Dudley, Willie Macfarlane, Billy Burke, Johnny Revolta, Denny Shute, Olin Dutra, Ralph Stonehouse, Jimmy Hines, Jimmy Demaret, Lloyd Mangrum, Vic Ghezzi

BASE BALL BATS

LOUISVILLE SLUGGER

Autograph models, exactly duplicating bats used by famous sluggers, turned by hand by experts from extra selected, second growth mountain ash.

Cy Williams Model

No. 40CW—Exact duplicate of model used by Cy Williams; light oak finish, highly polished; medium handle; large barrel; special tape wound grip and handle; assorted lengths, 33 to 36 inches; packed one in a paper bag, three dozen in crate; weight per crate about 100 pounds .....Per Dozen **$24.00**

Ty Cobb Model

No. 40TC—Highly polished, golden finish; thin handle, with gradually tapered barrel; exact model used by Ty Cobb for 19 years; registered trade mark photo and autograph transfer by Ty Cobb; lengths 33 to 36 inches; three dozen assorted weights in crate, each bat in paper bag; weight 100 pounds...Per Dozen **$24.00**

George Sisler Model

No. 40GS—Dark brown finish, highly polished; medium handle and barrel, registered trade mark photo and autograph of George Sisler; lengths 33 to 36 inches; three dozen assorted weights in crate, each bat in paper bag; weight 100 pounds.....Per Dozen **$24.00**

Eddie Roush Model

No. 40ER—Highly polished, light oak finish; large handle and barrel; registered trade mark signature of Eddie Roush on barrel end; lengths 32 to 34 inches; three dozen assorted weights in crate, each bat in paper bag; weight 100 pounds ....Per Dozen **$24.00**

Eddie Collins Model

No. 40EC—New brown flint finish; highly polished; small handle and well proportioned; registered trade mark photo and autograph of Eddie Collins; lengths 33 to 36 inches; three dozen assorted weights in crate, each bag in paper bag; weight 100 pounds..... .....Per Dozen **$24.00**

Jake Daubert Model

No. 40JD—New brown flint finish, highly polished; medium handle and barrel; registered trade mark photo and autograph of Jake Daubert; lengths 33 to 36 inches; three dozen assorted weights in crate, each bat in paper bag; weight 100 pounds.....Per Dozen **$24.00**

Tris Speaker Model

No. 40TS—Highly polished, special flame burnt golden finish; registered trade mark photo and autograph of Tris Speaker; lengths 33 to 36 inches; three dozen assorted weights in crate, each bat in paper bag; weight 100 pounds ..... .Per Dozen **$24.00**

Kork Grip, Patented

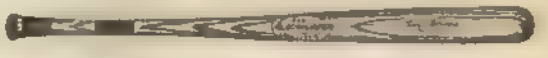
No. 40K—Oil tempered finish, the yielding character of the Kork affords a perfect grip; made in assorted models of famous sluggers; each bat autographed; lengths 32 to 36 inches; three dozen assorted weights in crate, each bat in paper bag; weight 100 pounds .....Per Dozen **$30.00**

Bone Rubbed

No. 250—Bone rubbing closes pores of wood and gives hard hitting surface; weather tempered, made in assorted models of famous sluggers; autographed; lengths 32 to 36 inches; three dozen assorted weights in crate, each bat in paper bag; weight 100 pounds..... .....Per Dozen **$30.00**

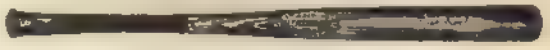
Oil Tempered

No. 125—Cured in oil, golden finish, made in assorted models of famous sluggers; lengths 32 to 36 inches; three dozen assorted weights in crate; weight 100 pounds .....Per Dozen **$24.00**



Harry Heilman Model

No. 40HH—Highly polished, old ash finish; thin, taped handle; fairly small barrel, registered trade mark signature "Harry Heilman" on barrel end; lengths 33 to 36 inches; three dozen assorted weights in crate, each bat in paper bag; weight 100 pounds. .....Per Dozen **$24.00**



Frank Frisch Model

No. 40FF—Burnt oil finish; medium handle and barrel; taped handle; registered trade mark signature of Frank Frisch on barrel end; lengths 33 to 36 inches; three dozen assorted weights in crate, each bat in paper bag; weight 100 pounds.....Per Dozen **$24.00**

Ken Williams Model

No. 40KW—Most popular model among professional players; dark brown finish; highly polished; medium handle; large barrel; registered trade mark signature of Ken Williams on barrel end; lengths 33 to 36 inches; three dozen assorted weights in crate, each bat in paper bag; weight 100 pounds.....Per Dozen **$24.00**

Babe Ruth Model

No. 40BR—Oil tempered finish; small handle, medium size barrel; same model used by Babe Ruth in making 59 home runs in 1921; registered trade mark signature of Ruth on barrel end; lengths 33 to 36 inches; three dozen assorted weights in crate, each bat in paper bag, weight 100 pounds.....Per Dozen **$24.00**

Bingo Kelly Model

No. 40GK—Oil tempered finish; gradual tapered barrel; registered trade mark signature "George L. Kelly" burnt on barrel end; lengths 33 to 36 inches; three dozen assorted weights in crate, each bat in paper bag; weight 100 pounds.....Per Dozen **$24.00**

Babe Ruth Junior Model

No. 40BRJ—Highly polished, golden finish; registered trade mark signature of Babe Ruth on barrel end; youth's size; length 32 inches; three dozen assorted weights in crate, each bat in paper bag; weight 80 pounds ..... Per Dozen **$12.00**

Ty Cobb Junior Model

No. 40TCJ—Highly polished, golden finish; registered trade mark signature of Ty Cobb on barrel end; length 32 inches; three dozen assorted weights in crate, each bat in paper bag; weight 80 pounds.... ..... Per Dozen **$12.00**

Eddie Collins Junior Model

No. 40ECJ Highly polished, golden finish; registered trade mark signature of Eddie Collins on barrel end; length 32 inches; three dozen assorted weights in crate, each bat in paper bag; weight 80 pounds .....Per Dozen **$12.00**

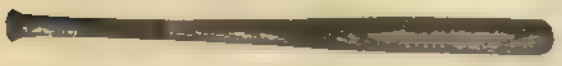
Burnished Finish Junior Slugger

No. 42—Golden handle burnished barrel, highly polished; length 32 inches; three dozen in crate; weight 75 pounds .....Per Dozen **$9.00**

Note—Bats are not guaranteed against breaking.

BASE BALL BATS

H. & B. STANDARD BRANDS



Bing-go

No. 5—Golden oil finish; highly polished; taped handle; assorted models; lengths 32 to 36 inches; 3 dozen assorted weights in crate; each bat in paper bag, weight 100 pounds.....Per Dozen **$18.00**

No. 10—Golden oil finish; highly polished; assorted models; lengths 32 to 36 inches; 3 dozen assorted weights in crate; each bat in paper bag; weight 100 pounds .....Per Dozen **$18 00**

No. 20—Golden flame burnt; highly polished; assorted models; lengths 32 to 36 inches; 3 dozen assorted weights in crate; each bat in paper bag; weight 100 pounds .....Per Dozen **$18.00**

Burnt Oil Finish

No. 16—Special flame burnt; light around brand and handle; highly polished; taped and transfer; assorted models; lengths 32 to 35 inches; 3 dozen assorted weights in crate; each bat in paper bag; weight 100 pounds .....Per dozen **$13 00**

Safe Hit

No. 15—Natural finish; highly polished; transfer; lengths 32 to 35 inches, assorted models; 3 dozen assorted weights in crate; each bat in paper bag; weight 100 pounds .Per Dozen **$15.00**

King of the Field

No. 13—Golden finish; highly polished; taped and transfer; lengths 32 to 35 inches, assorted models, 3 dozen assorted weights in crate; each bat in paper bag; weight 100 pounds .....Per Dozen **$12 00**

No. 12—Golden flame burnt; highly polished; with transfer; assorted models; lengths 32 to 35 inches; 3 dozen assorted weights in crate; each bat in paper bag; weight 100 pounds.....Per Dozen **$12 00**

Semi Pro

No 11B Brown stained body; golden knob; center tape and transfer; highly polished; assorted models; lengths 32 to 35 inches; 3 dozen assorted weights in crate; each bat in paper bag; weight 100 pounds .....Per Dozen **$12 00**

Leader

No. 9—Brown finish; made in assorted standard models and assorted lengths 32 to 36 inches; 3 dozen assorted weights in crate; each bat in paper bag; shipping weight of crate 100 pounds.....Per Dozen **$9 00**

Champion

No. 8—Flame burned; natural finish; made of assorted standard models and assorted weights [illegible] inches; 3 dozen assorted weights in a crate shipping weight of crate 100 pounds Per Dozen **$6.00**

Junior League

No. 4—Youth's bat; made of hardwood; length 32 inches; golden flame burnt polished; 3 dozen in crate; weight 75 pounds .....Per Dozen **$6 00**

No

Hillerich's Crackerjack

No. 02—Boys' bat; made of hardwood; golden flame burnt; length 28 inches; 6 dozen in crate; weight 105 pounds .....Per Dozen **$3.00**

No. 2—Boys' bat; made of hardwood; green stain; dark flame burnt handle; length 28 inches; 6 dozen in crate; weight 105 pounds.....Per Dozen **$3 00**

Willow Fungo

No. 24—Made of willow; a light wood, for fungo hitting only; lengths 34, 35 and 36 inches; golden finish, with dark burnt handle; highly polished; 3 dozen in crate each bat in paper bag; wt. 90 lbs..Per Dozen **$12.00**

Play Ground

No. PG—Made of hardwood; golden flame burnt finish, polished; medium size handle and especially designed for playground use; "Playground" burnt on barrel end; length 32 inches; 3 dozen; assorted weights; in crate; weight 75 pounds.....Per Dozen **$9.00**

Indoor

No. 52—Indoor bat; made of ash wood, length 33 inches; Golden flame burnt, polished; 4 dozen in crate; weight 65 pounds .....Per Dozen **$9.00**

Official Indoor

No. 54—Indoor bat; made of high grade ash; golden oil finish, highly polished; taped handle; "Official Indoor" burnt on barrel end; 4 dozen in crate; each bat in paper bag; weight 65 pounds.....Per Dozen **$12.00**

No. 55—Louisville Slugger, with patented Kork grip handle; made of high grade ash; special golden oil finish; "Official Indoor" burnt on barrel end; length 33 inches; 4 dozen in crate; each bat in paper bag; weight 65 pounds .....Per Dozen **$15.00**

Note—Bats are not guaranteed against breaking.

A TREMENDOUS HIT LAST SEASON

LUSTER, ALLEN & GOODWIN

BEST OF ALL TUMBLING AND BUMPING FUNMAKERS

Taking Daring Chances in Their Uproarious Stage Act

2 Different Track Numbers -- 3 Separate Appearances

"Laughter Holding Both Its Sides"

A GENERATION OF FAVORABLE REPUTATION

RAY THOMPSON

Personally Presents His Very Wonderful Four Horse Liberty Act

IN ADDITION THE HIGHEST CLASS

DOUBLE HIGH SCHOOL NUMBER EVER PRODUCED

EVERY ACT *IN THIS CATALOG CONTROLLED EXCLUSIVELY* BY **WORLD AMUSEMENT SERVICE ASSOCIATION, Inc.**
"SERVICE and SATISFACTION"

SHOT GUNS

DOUBLE BARREL, HAMMERLESS

L. C. SMITH

Crown Grade, Breech Loading.

This Crown grade is of excellent quality of material, manufacture and finish, and is well balanced. The engraving is designed to please the most fastidious.

Barrels—Nitro steel regular; cylinder modified or full choke bored.

Stock—Choice French walnut, checkered grip and fore-end.

Grip—Full pistol regular, half or straight to order.

Weights—12 gauge, 6¼ to 8¼ lbs.; 16 gauge, 6¼ to 7 lbs.; 20 gauge, 5¾ to 6½ lbs.

When ordering, specify length of barrel, weight and style of boring.

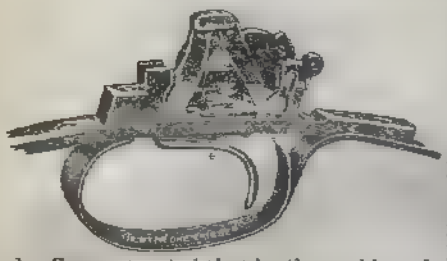
With Automatic Ejector.	Each
No. 5SE12—12 gauge, 26, 28, 30 or 32 in. barrels	✚$654 00
No. 5SE16—16 gauge, 26, 28, 30 or 32 in barrels	✚ 654 00
No. 5SE20—20 gauge, 26, 28, 30 or 32 in. barrels	✚ 654 00

One gun in cardboard box, ten in wood case.

	Each
Above guns fitted with hunter one-trigger	✚$712 80

THE HUNTER ONE-TRIGGER

FOR THE L. C. SMITH GUNS



The Hunter One Trigger is exceedingly simple. It can not be doubled or balked; parts are large and strong; it is independent of any recoil, is not frictional and will never hang when pulling second barrel. So constructed that by the pushing of a button the shooter can shoot right and left, or left and right, all right or all left. The shooter has the same control over the firing as in the two trigger gun.

Illustration of gun showing one-trigger.

Hunter one-trigger fitted to any L. C. Smith gun, hammerless, new or old. For price see each respective grade.

NOTE—To have the one-trigger fitted to two-trigger guns, same must be returned to the factory.

From Factory can furnish Eagle and Crown Grade Guns without Automatic Ejector, also higher priced Smith Guns. Write for catalog and prices.

✚F. O. B. New York Factory Only.

SHOT GUNS

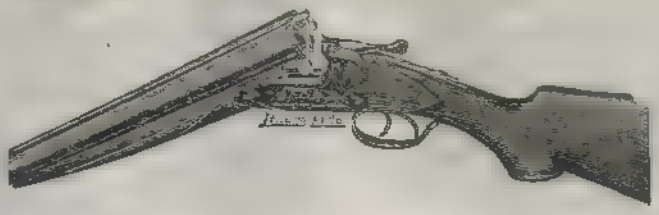
DOUBLE BARREL, HAMMERLESS

ITHACA

The mechanical construction of all Ithaca hammerless guns is the same; special features are the three piece lock, which operates in 1/125 part of a second. All Ithaca hammerless guns have three bolts and are guarante d never to shoot loose, and coil springs guaranteed never to break.

Ithaca guns are low in price, and high in quality.

Standard length of stock, 14 inches; regular drops run from 2¾ to 3½ inches, but will furnish any length or drop of stock desired, without additional charge, from factory.



Field Grade, Breech Loading.

A gun capable of standing the continuous strain of high pressure smokeless powder loads.

Barrels—Imported cockerill steel, nitro powder proved; cylinder, modified or full choke bored.

Stock—Black walnut, with half pistol grip, good color and well finished; fore-end and grip neatly checkered.

Weights—12 gauge, 7 to 8 lbs.; 16 gauge, 6 to 7 lbs.; 20 gauge, 5½ to 6 lbs.

Without Automatic Ejector.	Each
No. IF12—12 gauge, 26, 28, 30 or 32 in. barrels	$102 75
No. IF16—16 gauge, 26, 28 or 30 in. barrels	102 75
No. IF20—20 gauge, 26 or 28 in barrels	102 75

With Automatic Ejector.	Each
No. IFE12—12 gauge, 28, 30 or 32 in. barrels	✚$138 00
No. IFE16—16 gauge, 28 or 30 in. barrels	✚ 138 00
No. IFE20—20 gauge, 26 or 28 in. barrels	✚ 138 00

One gun in cardboard box, ten in wood case.

No. 1 Grade, Breech Loading.

Barrels—Fluid steel carefully made and guaranteed for strength and shooting qualities.

Stock and Fore-end—Black walnut, hand checkered full pistol grip stock let into frame to prevent slipping and spreading.

Engraving—Frame, top lever, forend iron, guard and trigger plate hand engraved; a leaf design of engraving is used on both sides of frame, trigger plate and top lever.

Weight—10 gauge, 9 to 10½ lbs.; 12 gauge, 6¾ to 8½ lbs.; 16 gauge, 6 to 7 lbs.; 20 gauge, 5¼ to 6 lbs.; 28 gauge, 4¾ to 5¼ lbs.

When ordering, specify gauge, length of barrel, weight and style of boring.

Without Automatic Ejector.	Each
No. 1I10—10 gauge, 30 or 32 in. barrels	✚$130 50
No. 1I12—12 gauge, 26, 28, 30 or 32 in. barrels	✚ 130 50
No. 1I16—16 gauge, 26, 28, or 30 in. barrels	✚ 130 50
No. 1I20—20 gauge, 24, 26 or 28 in. barrels	✚ 130 50

With Automatic Ejector.	Each
No. 1IE10—10 gauge, 30 or 32 in. barrels	✚$160 25
No. 1IE12—12 gauge, 26, 28, 30 or 32 in. barrels	✚ 160 25
No. 1IE16—16 gauge, 26, 28 or 30 in. barrels	✚ 160 25
No. 1IE20—20 gauge, 24, 26 or 28 in. barrels	✚ 160 25

One in cardboard box; ten in wood case

✚F. O. B. New York Factory Only.

SHOT GUNS

DOUBLE BARREL, HAMMERLESS

L. C. SMITH

Ideal Grade, Breech Loading.

This gun is a "General Purpose" weapon, a sound, reliable and thoroughly serviceable gun and with just enough engraving to make it attractive.

Barrels—New London steel. Can furnish cylinder, modified or full choke bored.

Stock—English walnut, with pistol grip, nicely checkered and well finished; fore-end nicely checkered.

Grip—Full pistol regular, half or straight to order.

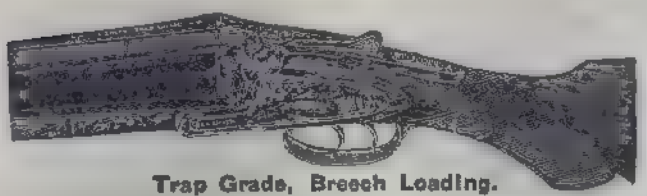
Weights—12 gauge, 6¼ to 8½ lbs.; 20 gauge, 5¾ to 6½ lbs.

Without Automatic Ejector.	Each
No. 0S-12—12 gauge, 26, 28 or 30 in. barrels	✣$158 25
No. 0S-16—16 gauge, 26, 28 or 30 in. barrels	✣ 158 25
No. 0S-20—20 gauge, 26, 28, 30 or 32 in. barrels	✣ 158 25

With Automatic Ejector.	Each
No. 0SE-12—12 gauge, 26, 28, 30 or 32 in. barrels	✣$196 50
No. 0SE-16—16 gauge, 26, 28 or 30 in. barrels	✣ 196 50
No. 0SE-20—20 gauge, 26, 28, 30 or 32 in. barrels	✣ 196 50

One in cardboard box, ten in wood case.

	Each
Above guns without Automatic Ejector, fitted with hunter one-trigger	✣$221 43
Above guns with Automatic Ejector and hunter one-trigger	✣ 257 07



Trap Grade, Breech Loading.

In the production of this grade particular attention has been paid to meet the requirements of sportsmen who are desirous of a gun for trap shooting, as well as for field, with all the latest attachments. Each lock-plate is engraved with a trap hunting scene.

Barrels—Crown steel; cylinder modified or full choke bored.

Grip—Full pistol regular, half or straight to order.

Weights—12 gauge 6¼ to 8½ lbs.; 16 gauge, 6¼ to 7 lbs.; 20 gauge, 5¾ to 6½ lbs.

When ordering, specify length of barrel, weight and style of boring.

Without Automatic Ejector.	Each
No. TS-12—12 gauge, 26, 28, 30 or 32 in. barrels	✣$205 50
No. TS-16—16 gauge, 26, 28, 30 or 32 in. barrels	✣ 205 50
No. TS-20—20 gauge, 26, 28, 30 or 32 in. barrels	✣ 205 50

With Automatic Ejector.	Each
No. TSE-12—12 gauge, 26, 28, 30 or 32 in. barrels	✣$246 00
No. TSE-16—16 gauge, 26, 28, 30 or 32 in. barrels	✣ 246 00
No. TSE-20—20 gauge, 26, 28, 30 or 32 in. barrels	✣ 246 00

One in cardboard box, ten in wood case.

	Each
Above guns without Automatic Ejector, fitted with hunter one-trigger	✣$275 55
Above guns with Automatic Ejector and hunter one-trigger	✣ 313 50

✣F. O. B. New York Factory Only.

SHOT GUNS

DOUBLE BARREL, HAMMERLESS

L. C. SMITH

Specialty Grade, Breech Loading

A thoroughly sound, serviceable gun, well fitted, perfectly balanced and handsomely engraved

Barrels—Nitro steel; can furnish cylinder, modified or full choke bored.

Stock—Carefully fitted and handsomely checkered; fore-end nicely checkered.

Grip—Full pistol regular, half or straight to order.

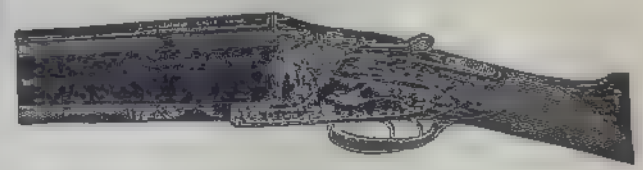
Weights—12 gauge, 6¼ to 8¼ lbs.; 16 gauge, 6¼ to 7 lbs.; 20 gauge, with Nitro steel barrels only, 5¾ to 6½ lbs.

Without Automatic Ejector.	Each
No. 02S-12—12 gauge, 26, 28, 30 or 32 in. barrels	✣$260 25
No. 02S-16—16 gauge, 26, 28 30 or 32 in. barrels	✣ 260 25
No. 02S-20—20 gauge, 26, 28, 30 or 32 in. barrels	✣ 260 25

With Automatic Ejector.	Each
No. 02SE-12—12 gauge, 26, 28, 30 or 32 in barrels	✣$300 00
No. 02SE-16—16 gauge, 26, 28, 30 or 32 in. barrels	✣ 300 00
No. 02SE-20—20 gauge, 26, 28, 30 or 32 in. barrels	✣ 300 00

One in cardboard box, ten in wood case.

	Each
Above guns without Automatic Ejector fitted with hunter one-trigger	✣$339 90
Above guns with Automatic Ejector and hunter one-trigger	✣ 375 39



Eagle Grade, Breech Loading.

Especially designed for the shooter who wishes a medium high-priced gun, highly decorated. Presents an entirely new type of ornamentation. On the left lock-plate, with a frosted background, is a ring-necked pheasant in bold relief. On the right a duck in flight. The top and bottom of the frame are frosted and interlaced with scroll engraving.

Barrels—Nitro steel regular; cylinder, modified or full choke.

Stock—Full pistol regular, half or straight to order.

Weights—12 gauge, 6¼ to 8¼ lbs.; 16 gauge, 6¼ to 7 lbs.; 20 gauge, 5¾ to 6½ lbs.

When ordering, specify length of barrel, weight and style of boring.

With Automatic Ejector.	Each
No. ESE-12—12 gauge, 26, 28, 30 or 32in barrels	✣$453 00
No. ESE-16—16 gauge, 26, 28, 30 or 32in barrels	✣ 453 00
No. ESE-20—20 gauge, 26, 28, 30 or 32in barrels	✣ 453 00

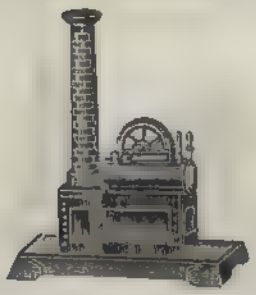
One in cardboard box, ten in wood case.

	Each
Above guns fitted with hunter one-trigger	✣$521 40

✣F. O. B. New York Factory Only.

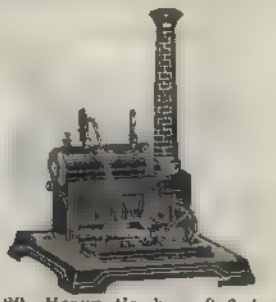
BING'S STEAM ENGINES

Burn Denatured Alcohol; Guaranteed



T4175—Heavy tin base 4x8 ins.; blued steel foundation; polished brass boiler, fly wheel with pulley whistle, safety valves; stamped imitation brick chimney; height 11 ins.; each in box. Each 1.58

T4176 — Same as T4175, larger; 4¾x9½ in. base, 13 in. high; each in box. Each 2.25



T4180—Heavy tin base 8x8 ins., blued steel foundation; oxidized finish brass boiler; whistle, safety valve, nickeled rim 2 in. fly wheel, nickeled cylinder and connecting tube; reversible throttle; stamped imitation brick chimney; height 12 in.; each in box. Each 3.25

T4189—Same as T4180 larger, with water gauge; base 9½x9½ ins., 14 in. high; each in box. Each 5.75

MAGIC LANTERN AND PICTURE MACHINES

Up to the minute, and embody new features not found in other machines; well built, handsomely finished, powerful lenses, producing good pictures.

MAGIC LANTERNS
OIL BURNING

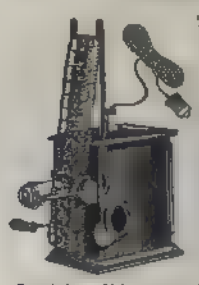
Made of heavy black sheet iron, blue steel finished; metal fount, brass burner, glass globe; polished reflector; slide focus tubes, brass ends; bent air shaft; complete with 1 dozen slides in box

T3901—Total height 11 ins.; body 2¾x4½x5¼ ins.; 2 trusses; hinged rear door; 6 slides; each in box. Dozen 8.75

T3905 — Total height 10½ ins.; body 3x5x6½ ins.; 2 lenses; hinged rear door; each in box. Each .95

T3906 — Same as T3905 larger, hinged side door; total height 13½ ins.; body 3¼x5¾x7¼ ins.; 2 lenses. Each 1.75

FILM AND MAGIC LANTERN
ELECTRIC



T3907—Black enameled Russia steel housing; adjustable focus lens tube, automatic film tracker; side crank, with 1¾ in. balance wheel; complete with 1 roll film, one ⅞x4 in. slide; and 6 ft. cord; size 3½x5½ ins., 5½ ins. high. Each 1.75

FILM AND MAGIC LANTERN
OIL BURNING

T3908—Russia steel body and smoke stack; double telescope lens, automatic film tracker; side crank; metal fount with glass chimney, can be used as magic lantern; base 3½x5¾ ins.; 10½ ins. high; each in box, complete with 3 films and 3 slides. Each 1.75

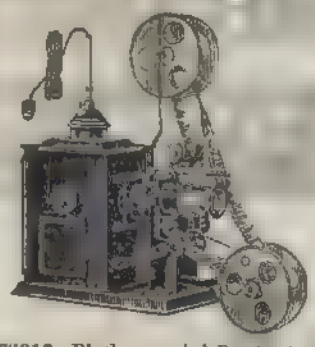
ELECTRIC

T3909 Russia steel black enameled housing, hinged rear door; adjustable focus lens tube; double lens; adjustable film holder; automatic film tracker, side crank; complete with lamp socket, 6 ft. cord, connecting plug, 2 films and 3 lantern slides; size base 4x7½ ins., total height 11 ins.; each in box. Each 2.25

Our miniature cedar chests for dolly's clothes and fittings are exact duplicates of the large size chests; selected cedar.

TWO SPECIAL EXHIBITION PICTURE MACHINES

T3915—Black enameled Russia steel housing; hinged rear door; polished brass focusing lens tube, thumb screw adjustment; adjustable film holder, with automatic rewind, coil spring belt and pulleys; automatic film tracker, which prevents film from tearing; flicker shutter, side crank; complete with lamp socket, 8 ft. cord, plug, adjustable lamp attachment, 3 films and 1 dozen lantern slides; size base 6½x10 ins.; 18 in. high; each in box. Each 12.00



T3916—Black enameled Russia steel housing; cast iron base; hinged rear door; polished brass focusing lens, thumb screw adjustment, with powerful condensing lens; flicker shutter; special automatic film tracker which prevents film from tearing, special rewinder with coil spring belt and pulleys, adjustable film reel; side crank; complete with lamp socket, 8 ft. cord, plug, lamp adjustment attachment 3 films and 1 dozen lantern slides; size base 6x11¾ ins., 20 in. high; each in box. Each 15.00

ELECTRIC ATTACHMENT FOR LANTERNS

T3920 This attachment can be used on any lantern; consists of an adjustable cap which fits over the chimney hole, supporting a lamp socket so that by manipulating a thumb screw the lamp can be raised or lowered; complete with sockets and wire. Each .1.25

FILMS

Standard gauge, 1⅜ in. wide, with real action; no two alike; each in can; assorted to the dozen.

	Doz.	Each
T3902— 30 ft. long..	4.25	.40
T3903— 50 ft. long..	6.50	.60
T3904—100 ft. long.	12.00	1.10

MAGIC LANTERN SLIDES

All pictures finished in bright colors; edges of slides paper bound, assorted to the dozen.

Individual Pictures

T3921—4 pictures to slide; size 1½x4¼ ins.; 1 dozen in box. Dozen 17

Continuous Pictures

T3922—Continuous picture; size 1⅝x6 ins.; 1 dozen in box. Dozen 33

T3923—Same as T3922; size 2x7 ins.; 1 dozen in box. Dozen.. .53

T3924 Same as T3922; size 2¼x7¾ ins.; 1 dozen in box. Dozen .70

25c MECHANICAL TOY ASSORTMENT

Assortment consists of 6 dozen of from 12 to 18 varieties of our best selling mechanical toys, to retail at 25 cents each; these goods are taken from our regular stock.

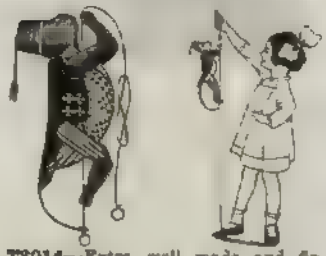
T3121 Assortment of 6 dozen, (1.98 dozen, no less sold) Total 11.88

MECHANICAL TOYS

The better selling numbers only. Strong, durable, well made, and handsomely finished with good strong springs. Popular favorites and big sellers; the remarkable natural actions of these wonderful mechanical toys will at once appeal to everyone who sees them, don't overlook our special 25 and 50c assortments.

STRAUSS MECHANICAL TOYS "Known the World Over"

CLIMBING MONKEY



T3014—Extra well made and finished; lithographed in six different colors, with tassel hat; extra strong cord; when string is taut, monkey climbs up in lifelike motion, arms and legs moving; height 9¾ ins., 3 ins wide; each in box Dozen 2.00

DELIVERY VAN

T3132—Red Star Van, all metal; bright colors; runs straight and in circle; 7¾ ins. long; 3¾ ins. high; ½ dozen in carton. Dozen...2.10

HAUL-A WAY TRUCK

T3133—Haul-a way truck; litho in bright colors; all metal; body dumps; runs straight and in circle; 7¾ ins. long, 3¾ ins. high; ½ dozen in carton Dozen 2.10

YELLOW SPEEDSTER

T3135—Yellow speedster; bright yellow, green wheels; runs straight and incircle; 9¼ ins. long, 3 ins. high Dozen 2.10

SPEED BOAT

T3013—Speed boat; bright color lithographed; all metal; runs with bobbing motion, like real speed boat; length 9¼ ins. Dozen 2.15

BALKING MULE

T3019—Balking mule; goes forward and backs, throws hind legs into air and does other amusing stunts; all metal handsomely finished; 9 ins. long, 5½ ins. high; each in carton. Dozen 4.00

MAIL PLANE

T3048—Mail plane; scoots along just like the real thing; propeller whirling around; all metal; finished in green, yellow and red; 8 inches long, 7 ins. wide, 3½ ins. high; each in carton. Dozen 4.20

JAZZBO JIM

T3077 — Lithographed negro cabin 3½x4¾x2¼ in. high; with full jointed negro dancer on roof; when wound up, Jazzbo Jim does all the best jig dances; height dancer 7½ ins., total height 10 ins.; each in box Dozen....4.25

KRAZY KAR

T3073—Yellow enameled auto with clown driver; when wound up, runs ahead, then automatically reverses, going in various directions, as if driver had lost complete control; length 8 in., 3½ in wide, 5 in high; each in box. Dozen....4.25

SEE ZEPPELIN

T3195—Los Angeles; aluminum finished 6½ in. dirigible, with propellor; hanger for suspending on cord; when wound up runs in wide circle, like the big ship, each in box Dozen 4.25

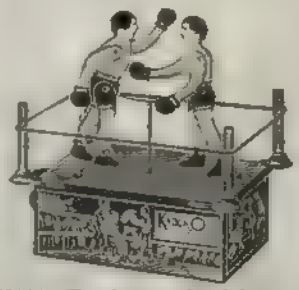
BOOB McNUTT

T3084—Boob McNutt, the popular comic strip character; jointed hips, arms and head, nicely dressed in colors, all metal, when wound up does a funny dance, 8 ins. high each in carton Dozen . 4.35

TRAVEL CHICKS

T3104—Travel chicks; attractively lithographed; all metal; perched on roof of car, four chickens are busily engaged in scratching feed from pan runs in circle; 8½ ins long, 4½ ins. high; each in carton. Dozen 4.35

PRIZE FIGHTERS

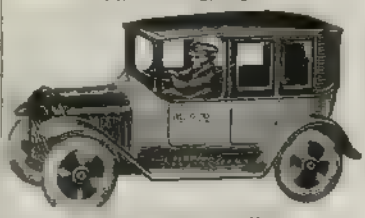


T3109—Knock out prize fighters; a real battle, the bout lasting about a minute with each winding; side button for stopping and starting durably constructed and attractively colored; 4¼x6 ins., 6 ins. high; each in carton. Dozen 4.35

RED CAP PORTER

T3036—Red Cap Porter negro walking along pushing hand truck with trunk; suddenly lid opens and up pops dog, then back into trunk again; continually jumping out and in; all metal; good colors; 6 ins long, 6½ ins. high; each in carton Dozen 4.35

YELLOW TAXI



T3151—Yellow taxi; yellow and black; finished with disc wheels, runs in circle and straight away, 8 ins. long, 4¾ ins. high; each in carton Dozen 4.35

BRONCHO BUSTER

T3171—Jointed broncho with cowboy rider, finished in bright colors; when wound up broncho bucks, throwing rider over head, rider springs back into saddle only to be thrown again; repeating until finally rider breaks pony and retains his seat; on base 2½x6 ins.; 8½ ins. high, each in box. Dozen . . .4.35

SANTA CLAUS

T3100—Santa Claus; sleigh painted, full of dolls and toys, with prancing reindeers and jingling bells; glides along, in wide circle, when in motion, a beautiful piece; 12 ins long; 7 ins. high each in carton Dozen 8.25

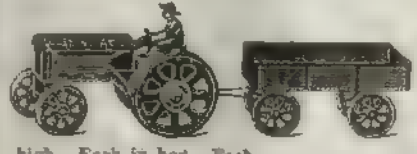
ALL DEPENDABLE VALUES

TWIN TROLLEYS

T3063—Pay as you enter duplex trolleys; when wound up run 'round and round in wide circle; two toys in one; lithographed in bright colors, and substantially built of heavy gauge metal; total length 15 ins each in carton. Dozen 4.20

TRACTOR AND TRAILER

Bright colors; perfect in construction.



T3180 — Mechanical tractor with trailer; lithographed in bright colors; tractor 8¼ ins. long, 4 ins. wide, 5 ins. high; trailer 6¾ ins. long, 3½ ins wide, 3½ ins. high. Each in box. Each 1.00

LAMPS

MAMMOTH JUPITER

Central Draft

Takes No. 3 Jupiter chimney and wick; 14 inch plain opalescent dome shade; smoke bell and very simple mechanism for operating the wick

Lamps are packed and sold complete with shade, chimney, smoke bell and wick.

Weight packed 11 pounds.

No. 25—Brass Fount . . . Each **$18.00**

No. 30—Nickeled Fount . . . Each **13 50**

One in a carton

Extra Shades . . Each **$4.50**

BRACKET LAMPS

Glass fount with outside filler, No. 2 burner and chimney and 10 inch silvered glass reflector

French bronze finish. Projection 12 inches.

Weight per dozen 90 pounds

No. 053½ . . . . Per dozen **$37 50**

Glass fount with outside filler; No. 2 burner and chimney and 7 inch silvered glass reflector French bronze finish. Projection 11 inches Weight per dozen 75 pounds

No. 042 . . . . . Per dozen **$42 75**

One half dozen in a case.

EUREKA

Glass fount, tin reflector Frame is made of best quality steel and finish is hard enamel. Reflector has a diameter of 7½ inches

Glass fount is fitted with No. 2 burner, chimney and wick. Weight per dozen 30 pounds.

No. 2—Complete . . Per dozen **$9.50**

One half dozen or one dozen in a box.

LAMPS

COLEMAN QUICK-LITE GASOLINE

Lights with a Match

Gives a 300 candle power light. A handsome practical lamp for general home use. Makes its own gas of ordinary motor gasoline.

It is safer than an oil lamp; explosion is impossible; it may be tipped over without danger; it is clean—no smoke, no dirty chimney, no smell, no greasy wick.

Made of brass and heavily nickel plated and polished. Capacity 3 pints, burns 18 hours on one filling

Furnished complete with 10 inch opal shade, mantles, pump, wrench, cleaning pick and extra generator.

No. CQ320—Weight 10 lbs. . . . . Each **$18.75**

One in a carton.

CHANDELIERS

A Quick-Lite fixture used for lighting stores, churches, school houses and residences

It is supplied by a single fount which holds six pints; burns 15 to 20 hours; one or both burners can be used as desired

Height over all 27 inches; width 27 inches.

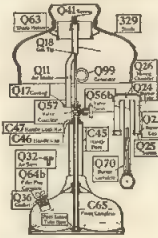
Opal panel shades 10 inches in diameter. Furnished complete with shades, mantles, pump, wrench, cleaning pick and two extra generators with full instructions for use

No. PQ320—Weight 16 lbs. . . . . Each **$38 25**

One in a carton

QUICK-LITE LAMP REPAIRS

For Nos. CQ329 and PQ329



No. 41 **No. 329**

No.	Part	Each
Q11	Burner support tube	$0.60
Q17	Support casting	.20
Q18	Gas tips	.10
Q23	Cap complete	.30
Q24	Burner tube	.20
Q25	Cap screen, 2 for	.10
Q26	Mixing chamber	.80
Q41	Shade holder screws	.10
C45	Handle	.40
C46	Handle lock nut	.10
Q56b	Valve stem and nut	.40
Q57	Valve complete	1.00
Q63	Universal shade holder	.40
C64b	Filler plug complete	.80
C65	Fount with filler plug	7.50
Q70	Burner, generator and valve assembled	4.00
Q99	Generator complete	.50
329	Opal shades, 10 in. diameter	2.50
41	Mantles, per dozen	2.25

TORCHES AND BURNERS

GASOLINE TORCHES

ANCHOR

For Factories and Contractors

Brass globe valve and burner, strong construction and durable. The burner produces a large, clear white light.

Suitable for lighting outdoor work or camps do not blow out nor does rain quench the flame.

Capacity 1 gallon, burns from 12 to 14 hours

No. 22—Weight per dozen 60 lbs.....Per dozen **$42 00**

One dozen in a box

STEEL MANTLE LAMP BURNERS

It is the steel mantle of this burner which vaporizes the kerosene and feeds the air to the vaporized oil that increases the volume of the light. It is made with tube for an inch wick and fits No. 2 lamp collars

No. 2—Weight per dozen 2 lbs. ..... Per dozen **$5.00**

One dozen in a box.

SAFETY

Solid brass, polished; provided with special brass spring attached to chimney guards to prevent tipping of the chimney. Weight per dozen about 1 lb

No. 1—Takes No. 1 or A, ⅝ in. wick....Per dozen **$2.40**
No. 2—Takes No. 2 or B, 1 inch wick ..Per dozen **3 00**

One dozen in a box

WHITE LIGHT

An all brass burner with a steel mantle in addition attached to the inside of the dome

This insures perfect combustion and a large flame. Weight per dozen about 1 lb.

No. 1—Takes No. 1 or A, ⅝ inch wick...Per dozen **$2.50**
No. 2—Takes No 2 or B, 1 inch wick · Per dozen **3 00**

One dozen in a box.

COMBINATION

Brass plated cold rolled steel, very strong and efficient. Weight per dozen about 1 lb.

No. 1—Takes No. 1 or A, ⅝ inch wick..Per dozen **$1 50**
No. 2—Takes No. 2 or B, 1 inch wick...Per dozen **1.80**

One dozen in a box.

BURNERS AND WICKS

HOT BLAST LANTERN BURNERS

Fits practically every hot blast lantern on the market Takes ⅝ inch wick; weight per dozen ½ lb

No. 411.. Per dozen **$1 60**

One dozen in a box

COLD BLAST LANTERN BURNERS

LITTLE WIZARD

Rising cone tinned steel. Takes ⅝ inch wick; weight per dozen ½ lb.

No. 201.. Per dozen **$2 00**

One dozen in a box.

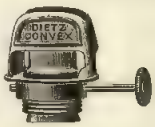
BLIZZARD

Rising cone tinned steel. Takes 1 inch wick; weight per dozen ⅝ lb.

No. 202.. Per dozen **$2.50**

One dozen in a box

DIETZ CONVEX BURNERS



For Rail Road Lanterns

Takes ⅝ inch wick; weight per dozen ½ lb.

No. 1 Convex .....
..... Per dozen **$1 80**

One dozen in a box

LAMP AND LANTERN WICKS

Flat Wicks, 8 Inches Long

Weight per gross averages about 2 lbs.

No. 1—⅝ inch.....Per gross **$1.70**
No. 2—1 inch.....Per gross **3 50**

One gross in a package.

Tubular or Round Wicks

For Rayo, Rochester and Jupiter Lamps.

Rochester Wicks

No. 2—Width folded 2½ in.; length 6½ in.....
.....Per gross **$ 9.60**
No. 3—Width folded 4½ in.; length 8 in.....
.....Per gross **36 00**

Jupiter Wicks

No. 3J—Width folded 4½ in.; length 9 in.....
.....Per gross **$21 60**

One gross in a package

Rayo Wicks

No. 2—Width folded 2½ in.; length 7½ in.....
.....Per gross **$18.00**

LOUD SPEAKERS

CABINET TYPE

ARMSTRONG

CROSS SECTION OF ARMSTONG SPEAKER
A-ROOF OF CHAMBER
B VIBRATING SOUNDING BOARD
C LOWER MEMBER
D OPENING IN SOUND NG BOARD
E-SOUND POST
F RESONATOR

Shaped Like a Singer's Mouth.

The only loud speaker that qualifies or naturalizes the tone waves as they pass through the speaker. All others act as megaphones to amplify the tone. Shaped like a singer's mouth (see cross sectional illustration). Has curved upper member (A) like the roof of a singer's mouth; a sounding board (B) in place of the tongue, occupying the same relative position; a lower curved member (C) like the lower part of the mouth The sounding board (B) is under stress and is very sensitive to vibrations. This stress is made constant by the sound-post (E), as in a violin. Any material under stress is tuned and has its own fundamental tone. Therefore, as sounding board (B) is under stress, it naturally is tuned and has its own tone. When this particular tone or any of the upper partials or harmonics of this tone passes over the sounding board, one or more of these tones would be over-developed, hence would predominate, thus impairing the performance. This is overcome by opening (D) in sounding board, just as is used in a violin, guitar, etc. The space (F) between the sounding board and lower part makes an ideal resonator which rounds out the tone as developed, qualified and naturalized by the sounding board. The tone is developed at the front, just as a finished singer produces the tone at the teeth. This can be proved by having a listener stand twenty feet away from the speaker; let the operator turn it sideways, backward, upside down or in any other position, and one will be surprised at the slight difference in volume—the tone is precisely the same.

The Armstrong Speaker is a long step in advance in radio reception. Since its advent, with its refinement of case work, its far better and more natural tone quality, perfect enunciation and clarity, the incongruity of detracting from an otherwise attractive appearing radio set by the use of the ordinary horn type, has become doubly apparent. It is no longer necessary to mar the artistic appearance of any set, nor to be content with inferior or indifferent tone reception.

The Armstrong Speaker is correctly and scientifically made in accord with established acoustical principles. To hear it is to be convinced of its superiority over all others. Its fine case in solid walnut, satin finish, will prove ornamental wherever it is placed.

Unit is a non-adjustable special Utah. Does not rely upon any springs to function nor to respond to its own vibration. Constructed to give maximum results on any set. Push and pull in its operation, not a one way unit. The member agitating the diaphragm, pushing and pulling it, floats in a magnetic field, hence cannot "freeze."

The cabinet is walnut, with basswood chamber, non-resilient, and a genuine sounding spruce sounding board Paneled sides. Length, 14⅛ inches, width 11¾ inches, height 8¾ inches. 5-foot cord for attaching to set. No plug included. Weight, 18 pounds net, 20 pounds crated for shipment

No.	Each
Armstrong	$36.00

One in a carton.

CABINET TYPE

MANHATTAN

No. 2556

The Symphonic Speaker pioneers in appearance, construction and performance. It fills the need for an instrument of quality appeal and will find a warm reception in carefully furnished homes

Ordinary loud speakers send out their vibrations in one direction, as a locomotive, for instance, sends out the long beam of its headlight. This results in a concentration of the vibration and a tone which seems to have great volume.

In the Symphonic Speaker the tone is emitted from all four sides; it therefore produces no intensity of tone in any one direction. Thus, persons on all sides of the room can hear the music or lecture with equal enjoyment.

The design is modeled into graceful curves reminiscent of the flowing body lines of a fine old violin. The exterior is of mahogany, hand finished in an antique manner so that the natural graining of the wood is developed, not hidden under a heavy coat of stain

Special attention has been given to all details of molding, grille and carving. The beauty of appearance, as well as of performance, will earn for the Symphonic Speaker an outstanding place in the loud speaker market.

No.	Each
2556	$37.50

One in a carton.

HORN TYPE

JEWETT SUPERSPEAKER

No. 1000

An exceptionally high class receiver which faithfully reproduces every note in the musical scale and is highly endorsed by the leading artists. Resonance is eliminated. No vibration. Works on one-tube sets as well as on multi-tube sets. Micrometer adjustment to bring in extra distant stations. Non-metallic horn finished in ebony gloss. A big, handsome musical instrument. Over all height, 30 inches. Bell of horn, 14 inches diameter. Furnished with 5 feet of silk cord, no plug. Weight, 12 pounds.

No.	Each
1000	$82.50

One in fibre carton

Manley Service Runway

Price $90

All Open in the Middle—No obstructions to interfere with the workman.

Double Legs and Extra Heavy Bracing—Tremendous strength and rigidity.

Truss Construction—Can be set up on any flat surface without any necessity for providing foundations of any kind.

High Guard Rails—Makes it safe even for inexperienced drivers. This feature inspires confidence and makes car owners prefer to come to you.

Shipped with Legs Assembled—Cuts in half the time you spend setting it up after you get it. Saves trouble figuring out how it goes together.

Wood Treads—Gives better traction, saves weight, and permits the use of metal cleats on incline.

DIMENSIONS

Height	28 inches
Horizontal Length	15 feet
Length of Incline	12 feet
Height of Guard Rail	5 inches
Width of Tracks between Guard Rails	10 inches

Manley Air and Water Station

Price $50

THE hose of the Manley Service Stations on account of its freedom from injury by kinks, preventing cars running over it, etc., will outlast several lengths of hose not so protected. The garage may, therefore, expect to repay the cost of the station in a reasonable time, by the saving of the hose alone. Hose is returned by gravity—not by springs.

As a rule, the motorist who needs air or water will buy gas and oil where he gets the air and water service. In many cases, instead of looking for a gas pump he looks for an air station, knowing that where he can get air he can also get gas and oil.

Manley Grease Bucket

Price $15

WHEN oil or light greases are used, it is possible to operate the pump plunger by means of the plunger handle alone.

When using heavy grease, the compound ratchet leverage makes it easy to either draw in or discharge the grease. With this leverage the pump will handle grease or oil that could not be sucked in by the plunger handle alone.

It is of a valveless construction having a cylindrical three-way port attached to the bottom of the pump.

The Manley Grease Bucket may be used as a syringe to draw the old lubricant out of the differential or transmission box and then force kerosene or gasoline over the gears to clean them—after which the kerosene or gasoline may be withdrawn and the differential or transmission box filled with new lubricant.

Self-Measuring

The capacity of the bucket is 25 pounds. A pound of grease is sucked in and discharged by one stroke.

Get a Manley

You can secure from your own jobber.

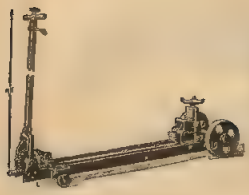
Write us for special bulletin.

MANLEY MFG. CO., York, Pa.

JACKS

MANLEY

HI-SPEED



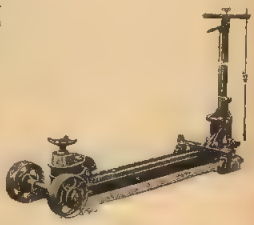
MODELS 550 AND 551

The Manley Hi-Speed Jack is fast, safe, reliable and is built to give long service. Less working parts to get out of order, which are all exposed, making adjustments, oiling and inspection easy. The handle has six operating positions allowing jack to operate perfectly under low bumper and overhanging spare tires and deliver cars with overhanging bodies and operates in short space and crowded positions. Built low to enable short turning under wheel of car. Equipped with ball-bearing drop forged front casters, dogs and ratchets. Chrome nickel steel pinion gears.

Model		Wt. each	Each
550	Steel Wheels	120 lbs.	$36.00
551	Rubber Tired	120 lbs.	47.00

The Manley Low Hi-Speed Jack is built on exactly the same principle of operation as the Hi Speed Jack and the six operating positions of the handle have been retained. This feature of the Manley Jack is absolutely necessary in order to use the jack under all conditions. The short stroke with the handle in the vertical position enables the jack to be operated in close quarters, such as next to cars, wall, etc. The short stroke of the handle in the horizontal enables the jacks to be operated under low, overhanging bodies, under cars equipped with gas tanks, two tires at the rear, as well as the bumper.

	Models 550-551	Models 552-553
Maximum length over all, handle horizontal	8 feet	8 feet
Maximum length over all, handle vertical	51 inches	51 inches
Maximum height of post	7 ¾ inches	6 ¼ inches
Length of travel of post	3 ⅝ inches	4 ¼ inches
Screw adjustment of post	4 ¼ inches	4 inches
Maximum height of post	16 ¼ inches	15 inches
Height of frame	2 ⅝ inches	2 ⅝ inches
Maximum width	16 ¼ inches	16 ½ inches
Size of wheels	7 inches	6 ¾ inches



MODELS 552 AND 553

Model		Wt. each	Each
552	Steel Wheels	115 lbs.	$36.00
553	Rubber Tired	115 lbs.	47.00

TRUCK WHEEL DOLLY

MODEL 275

To remove and replace a truck wheel of even normal size weighing 1000 lbs. is a most difficult piece of work without the aid of the Manley Dolly. It is dangerous and heavy work requiring several men, blocks, wedges, crow bars, etc., consuming minutes instead of seconds. To say that the Manley Dolly is sixty times faster than this method is conservative.

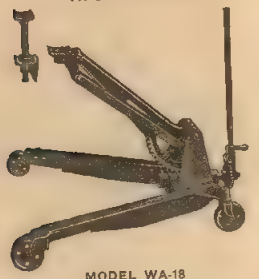
The Manley method of raising the wheel from the bottom allows the dolly to be used on any truck in existence, no matter how far the body projects over the wheel, or if the truck is equipped with fenders that practically touch it. This feature of the Manley Dolly stamps it at once as 100 per cent efficient. Its other features of superiority, combined with this one, mark it beyond question as the only successful tool for this work. Capacity 1 ton.

Model	Wt. each	Each
275	210 lbs.	$85.00

JACKS

WEAVER

HI-LIFT JACKS



MODEL WA-18

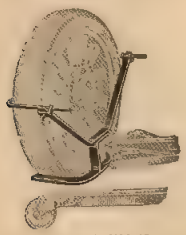
The new Weaver Hi-Lift jack is unique in possessing a range of lift far greater than any other jack on the market, being the first jack to employ successfully, the cantilever principal of supporting its construction. The saddle of the jack can be lowered to a minimum height of seven inches and raised to a maximum of 38 inches. The removable standard shown in the above cut provides additional height up to 7 inches, giving an extreme elevation of 45 inches.

This jack is extremely rugged in construction, being of steel and malleable iron throughout, with lifting arm of cast steel. Lifting capacity, 3000 lbs. Maximum width, 40 inches Ample to straddle largest truck wheel and narrow enough to go between front or rear wheels of any car. The two wheels nearest handle are mounted on ball and roller-bearing casters and make the jack easy to guide. Shipping weight approximately 200 lbs.

Model		Each
WA-18		**$60.00**

TRUCK WHEEL ATTACHMENTS

For Weaver Hi-Lift Jack.



MODEL WA-19

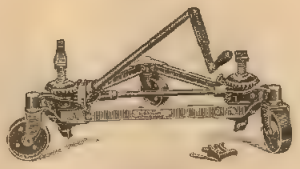
The attachment shown in the accompanying cut is supplied at a slight additional cost, for removing and transporting truck wheels. The two clamps which grip the tire are adjustable to handle tires of any size. The attachment can be attached instantly without tools. Note there is ample space between the arms to use wheel puller.

Model	Wt. each	Each
WA-19	32 lbs.	**$10.00**

Loose.

AUTO TWIN

GARAGE TYPE



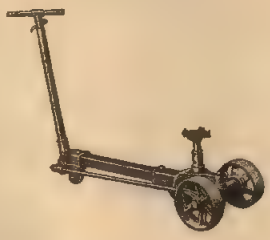
MODEL WA-12

The Weaver Auto Twin Jack meets every requirement for handling both complete and dismantled cars. The great diameter of the wheels—about 6½ inches diameter—assists greatly in enabling them to convey heavy burdens over comparatively rough floors with ease. This feature is of particular value in shops, wash room and paint shop, where it is necessary to move cars to take advantage of the best possible light. The general construction is of high carbon steel and malleable iron.

No		Wt. each	Each
WA-12	Regular	100 lbs.	**$27.50**
WA-13	Rubber Tired	100 lbs.	**39.00**

Loose.

NEW WAY JACKS



MODEL WA-16

All the features which have made Model WA-16 New-Way Jack so popular, including the pivoting wheels are included in this model jack together with many refinements in construction that add materially to its ruggedness and durability.

This jack is entirely of bolted construction which makes it possible to replace any worn or broken part without special tools. The roller bearings are located within the axle housing, instead of within the wheel hubs, preventing undue friction and wear under side thrust. The rear caster has two sets of ball bearings and is clamped to jack by heavy bolt. Maximum height, 17½ inches. Steel wheels.

Every jack is tested to lift its maximum capacity of 5,000 pounds before leaving the factory.

Model	Wt. each	Each
WA-16	100 lbs.	**$30.00**

One in a crate.

GAME GETTER GUNS

MARBLE'S

Two Guns in One—One Gun for All Game.

Upper barrel 22 caliber, rifled, chambered for short, long and long rifle cartridges. Lower barrel, .410 gauge (12 m/m) 2½ in. paper shot shells, also .44 and .410 ball cartridges (not conical bullet.)

Single Trigger—Striker is adjustable to either barrel instantly.

Hammer—Rebounds to safety notch after firing.

Receiver Lock—Trigger guard is pulled back to open breech.

Ejector—Partially ejects from both barrels at same time.

Folding Stock—Is held rigidly in position by sliding lock.

Sights—Rear sight has stationary Buckhorn with large U notch, also leaf with small U notch, and folding peep with $\frac{5}{32}$ in. aperture.

Front sight has $\frac{1}{16}$ in. gold bead.

Specifications: Frame, drop forged, finish, blued. Stock formed from sheet steel, nickeled. Grip plates, walnut. Holster, finest strap leather.

	Each
No. M21 With 15 in. barrels, complete with fine leather holster, weight each 3¾ lbs.	$27.00

A more accurate .22 cannot be found. The shot cartridges for small furred and feathered game almost equal 28 gauge. The .44 ball is very accurate and powerful at medium range. Smokeless powder may be used with perfect safety and slight recoil.

AUTO-LOADING RIFLES

REMINGTON

Standard Grade

Solid breech, hammerless, take down, 5 shots.

Barrel—Ordnance steel, buckhorn adjustable step rear sight, special shaded steel bead front sight.

Stock—American walnut, straight grip, fitted with rifle style steel butt plate.

Length over all 41½ in., take down 23 in.

	Each
No. 8A/25—.25 Remington caliber, 22 in. barrel, weight each 7⅜ lbs.	$60 00
No. 8A/30—.30 Remington caliber, 22 in. barrel, weight each 7¾ lbs.	60 00
No. 8A/32—.32 Remington caliber, 22 in. barrel, weight each 7⅜ lbs.	60.00
No. 8A/35—.35 Remington caliber, 22 in. barrel, weight each 7¾ lbs.	60.00

AUTO-LOADING RIFLES

REMINGTON

Special Grade

Solid breech, hammerless, take down, 5 shots.

Barrel—Ordnance steel, buckhorn adjustable step rear sight, special shaded steel bead front sight.

Stock—Selected imported walnut stock and fore-end, neatly checkered, straight grip, rifle style steel butt plate.

Length over all 41½ in., taken down 23 in.

	Each
No. 8C/25—.25 Remington caliber, 22 in. barrel	$90.00
No. 8C/30—.30 Remington caliber, 22 in. barrel	90.00
No. 8C/32—.32 Remington caliber, 22 in. barrel	90 00
No. 8C/35—.35 Remington caliber, 22 in. barrel	90 00

Weight Each 7¾ Lbs.

Peerless Grade

Same as No 8C, but with higher grade walnut stock, rich scroll hand engraved receiver and barrel jacket.

	Each
No. 8D/25—.25 Remington caliber, 22 in. barrel	$160 00
No. 8D/30—.30 Remington caliber, 22 in. barrel	160 00
No. 8D/32—.32 Remington caliber, 22 in. barrel	160 00
No. 8D/35—.35 Remington caliber, 22 in. barrel	160.00

Expert Grade

Same as No. 8C, but with choicest imported walnut stock, handsomely checkered, silver name plate inlaid in stock, receiver and barrel jacket finished with beautiful deep scroll, hand engraved, a game panel on left side of receiver, working parts hand polished.

	Each
No. 8E/25—.25 Remington caliber, 22 in. barrel	$235 00
No. 8E/30—.30 Remington caliber, 22 in. barrel	235.00
No. 8E/32—.32 Remington caliber, 22 in. barrel	235.00
No. 8E/35—.35 Remington caliber, 22 in. barrel	235.00

Premier Grade

Same as No. 8C, but with stock and forearm of finest Circassian walnut, inlaid with gold name plate and finished with delicate but elaborate checking, all working parts hand polished.

	Each
No. 8F/25—.25 Remington caliber, 22 in. barrel	$310 00
No. 8F/30—.30 Remington caliber, 22 in. barrel	310 00
No. 8F/32—.32 Remington caliber, 22 in. barrel	310 00
No. 8F/35—.35 Remington caliber, 22 in. barrel	310 00

Weight Each 7¾ Lbs.

Note—The above rifles not carried in stock. Shipped direct from factory

DOUBLE BARREL SHOT GUNS

STEVENS', HAMMERLESS

Barrel—Blued, high pressure compressed steel, tested with nitro powder, matted rib, 12, 16 and 20 gauge, right barrel modified, left barrel full choked, 410 gauge, both barrels full choked.
Action—Hammerless, coil springs
Frame—Beautifully polished and case hardened.
Stock—Selected black walnut, finely checkered, full pistol grip capped, rubber butt plate, length 14 in., drop about 3 in.

	Each
No. 330/12—12 gauge, 30 in. barrels, weight each 7½ to 7¾ lbs.	$27.50
No. 330/16—16 gauge, 28 in. barrel, weight each 7¼ to 7½ lbs.	27.50
No. 330 20—20 gauge, 28 in. barrel, weight each 6¼ to 6¾ lbs.	27.50
No. 330/410—410 gauge, 26 in. barrel, weight each 5½ to 6 lbs.	27.50

One in a Carton.

STEVENS', HAMMER

Barrels—High pressure compressed steel, bored for nitro powder, full choked, matted rib
Action—Top lever and bolt in one piece locking through extension rib, check hook, low circular hammers, rebounding locks, coil springs
Frame—Case-hardened, ornamented with scrolls.
Stock—Checkered walnut pistol grip, rubber butt plate, length 14 in., drop about 3 in., checkered fore end with spring fastening.

	Each
No. 235/12—12 gauge, 30 in. barrels, weight each 7¾ to 8¼ lbs.	$27 65
No. 236/16—16 gauge, 28 in. barrels, weight each 7½ to 8 lbs.	27 65

One in a Carton.

SINGLE BARREL SHOT GUNS

ITHACA TRAP

Victory Grade

Barrel—Single, with matted ventilated top rib, beaver tail fore-end, front and rear Lyman ivory sights.
Frame—Line engraved frame, top lever, trigger plate, fore-end iron and trigger guard, center trigger position
Stock—Selected stock, straight grip, grip of stock and fore-end checkered by hand, 14½ in. long, 1⅛ in. drop at heel, 1½ in drop at comb.

With Ejector

	Each
Victory—12 gauge, 32 in. barrel, complete with soft rubber recoil pad and Lyman ivory sights, weight each about 8¼ lbs.	$100 00

SINGLE BARREL SHOT GUNS

IVER JOHNSON CHAMPION MODEL, HAMMER

Barrel—Solid steel forging, barrel and lug forged in one piece, browned finish, full choke bored.

Stock—Black walnut, oil finished, plain pistol grip, hard rubber butt plate, patent snap fore-end with metal joint.

Action—Case-hardened frame, trigger, hammer and guard; top snap, patent safety device.

With Automatic Ejector

	Each
No. 312E—12 gauge, 30 and 32 in. barrel, weight each 6¼ lbs.	$11.50
No. 316E—16 gauge, 28 and 30 in. barrel, weight each 5¾ lbs.	11.50
No. 320E—20 gauge, 28 in. barrel, weight each 5¾ lbs.	11.50
No. 341E—410 bore, 26 and 28 in. barrel, weight each 5¾ lbs.	11.50

Because of its performance under all sorts of shooting conditions, and its enduring qualities, the Iver Johnson Champion single barrel shot gun has proved a great favorite for nearly half a century with lovers of outdoor sport—men, women and boys who hunt.

In design and construction it represents advanced ideas of exceptional merit, and is beautifully finished. The stocks are of real black walnut, with two coats of Spar varnish cut back between each coat, and hand rubbed. The action is developed to the utmost simplicity, and the workmanship is of the best.

One in a Carton.

STEVENS', HAMMER

Barrel—Special electro steel, bored for nitro powder.

Stock—Walnut stock, plain pistol grip, rubber butt plate, 14 in. long stock.

Frame—Case-hardened frame, with metal joint, top snap, low rebounding hammer.

	Each
No. 107-12—12 gauge, 30 in. barrel, weight each 6 lbs.	$11.50
No. 107-16—16 gauge, 28 in. barrel, weight each 6 lbs.	11 50
No. 107-20—20 gauge, 28 in. barrel, weight each 6 lbs.	11 50
No. 107-410—410 bore, 26 in. barrel, weight each 6 lbs.	11.50

One in a Carton.

HUNTERS' AXES

MARBLE'S SAFETY

Carefully tempered and sharpened tool steel blade, drop forged metal handle, rubber side plates, nickel plated lead lined spring hinge guard.

	Each
No. 2—2¾x4 in. blade, 11 in. long, weight each 20 oz.	$3 25

Two in a Box.

Carefully tempered tool steel solid blade, selected hickory handle, nickel plated lined spring hinge guard.

	Each
No. 5—2⅝x4¾ in. blade, 10½ in. long, weight each 16 oz.	$2.00

Two in a Box.

MARBLE'S BELT

Carefully temperel tool steel solid blade, selected hickory handle.

	Each
No. 9—2¾x3¾ in. blade, 14 in. long, weight each 22 oz.	$1.50

Two in a Box.

MARBLE'S CAMP

Forged solid tool steel, tempered head, designed for driving stakes, spikes, etc., accurately machined eye, thoroughly seasoned selected hickory handle.

	Each
No. 10/16—3¼x5¾ in. blade, 16 in. handle, weight each 28 oz.	$2 50
No. 10/20—3¼x6¼ in. blade, 20 in. handle, weight each 28 oz.	2 50

Two in a Box.

AXE SHEATHS

Strong leather with flap and loops for fastening to belt.

	Each
No. 29—For No. 9 belt axe, weight each 1 oz.	$0.75

Strong leather with flap and loops for fastening to belt.

	Each
No. 30—For No. 10 axe, weight each 1 oz.	$0.75

Open Stock.

HUNTING KNIVES

MARBLE'S IDEAL

Leather handle, stag tip, brass trimmings, hard fibre washer, fine quality cutlery steel blade, oval ground on back, orange leather sheath.

	Each
No. 41-5—5 in. blade, weight each 7 oz	$2 75
No. 41-6—6 in. blade, weight each 8 oz.	3.00

Six in a Box.

Stag handle, stag tip, brass trimmings, hard fibre washer, fine quality cutlery steel blade, oval ground on back, orange leather sheath.

	Each
No. 42-5—5 in. blade, weight each 7 oz.	$3.50
No. 42-6—6 in. blade, weight each 7 oz.	3.75

Six in a Box.

Leather handle with hilt, otherwise same as No. 41.

	Each
No. 45-5—5 in. blade, weight each 7 oz.	$2.75
No. 45-6—6 in. blade, weight each 8 oz.	3.00

Six in a Box.

Stag handle, with hilt, otherwise same as No 42.

	Each
No. 46-5 5 in. blade, weight each 7 oz.	$3 50
No. 46-6 6 in. blade, weight each 8 oz.	3 75

Six in a Box.

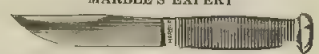
MARBLE'S WOODCRAFT

Leather handle, stag tip, extra quality crucible steel blade, highly polished and tempered, brass and fibre trimmings, thick back, tapering bevel blade, russet leather sheath.

	Each
No. 49—4½ in. blade, 3¾ in. handle, weight each 6 oz.	$2 25

Six in a Box.

MARBLE'S EXPERT



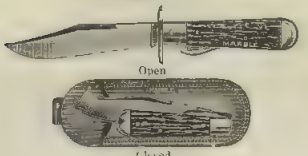
Leather handle, aluminum tip, fine quality cutlery steel blade, tube knife sheath.

	Each
No. 545—5 in. blade, weight each 6 oz	$2 50

These knives were particularly designed to meet the requirements of the professional hunter, trapper and guide who requires a thin, keen edge for dressing skin and furs. The back of blade is designed for scraping skins while on the forms.

Six in a Box.

HUNTING KNIVES
MARBLE'S SAFETY



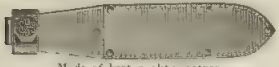
Stag Horn Side Plates

German silver lining and bolster, extra quality crucible steel blade, highly polished and tempered, extension guard safety lock, leather sheath

	Each
No. 83—4¼ in. blade, weight each 5½ ozs.	$3 50

Three in a Box.

KNIFE SHEATHS

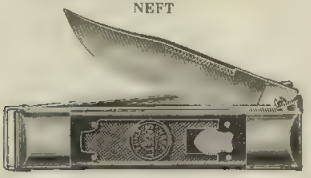


Made of best quality leather

	Each
No. 38—Hilt knife sheath, 4¼, 5 and 6 in. lengths	$0 60
No. 39—Hilt knife sheath, 7 and 8 in. lengths	75

Open Stock

SAFETY HANDY KNIVES
NEFT



One blade, nickel silver bolsters and shackle, hard rubber handle, lock catch shield which when slid back opens. Blade can be pulled out by thumb and forefinger, locks automatically.

	Each
No. 1—Neft safety knife	$4 00

MATCH SAFES
MARBLE'S

Waterproof, made of seamless drawn brass, heavily nickel plated, rubber gasket in cover.

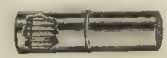
	Each
No. 181—⅝ in. diameter, weight each 2 oz.	$0.60

It can be quickly opened and closed in the dark and is absolutely water and moisture proof. There is a rubber gasket in the cover. They are always a comfort and sometimes they save lives.

Twelve in a Display Box.

JUSTRITE

Round, waterproof, seamless brass, nickel plated.



	Per Dozen
No. 75—2⅛x1⅛ in., weight per dozen 1½ lbs.	$1.50

One Dozen in a Box.

COAT COMPASSES
MARBLE'S

Coat Style

Never goes wrong. It attaches to outside of coat and is waterproof. Always in sight and balances so readily that direction can be taken while walking. Does not easily become demagnetized. Made of brass, 1⅝ in. in diameter. No. 082 when supplied with luminous dials point the way as plainly in the dark as in the light.

	Each
No. 082—Revolving dial, weight each 2 oz.	$ 50
No. 082L—Luminous dial, weight each 2 oz.	2 00
No. 182—Stationary dial, weight each 2 oz.	1 25

Weight per Dozen 1½ Pounds.
One in a Carton, 12 in a Box.

POCKET COMPASSES

LEEDAWL

Untarnishable metal case, heavy beveled crystal, untarnishable silver metal dial, hardened and tempered steel point, cupped jewelled bearing stop for needle in crown to prevent dust from getting inside case and making it water tight.

	Each
No. 2910—Diameter case 1⅝ in., ½ in. thick, weight per dozen 1 lb.	$1 25

One in a Box.

LITENITE

White metal case, heavy beveled crystal, jeweled center, aluminum floating dial, "S" and "N" points treated with a permanently luminous compound, which enables direction to be seen at night, dust and water tight.

	Each
No. 2913—Diameter case 1⅝ in., ½ in. thick, weight per dozen 1 lb.	$1.75

One in a Box.

AURAPOLE

Hunter style case, white metal case, solid and delicate bar needle carefully tempered and magnetized, jeweled center carefully adjusted, white enamel dial, arrangement for lifting the needle off the bearing point when not in use prevents dust and moisture getting to the inside.

	Each
No. 2915—Diameter of case 1⅝ in., ¼ in. thick, weight per dozen 1 lb.	$3.00

One in a Box.

MERADIAL

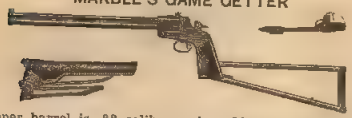
Hunter style untarnishable metal case, floating aluminum dial, plainly figured and lettered, floating dial when it settles, points accurately to all directions.

	Each
No. 2916—Diameter of case 1⅝ in., ⅞ in. thick, weight dozen 1⅞ lbs.	$3 50

One in a Box.

RIFLES

MARBLE'S GAME GETTER



Upper barrel is .22 caliber, using .22 short, .22 long, .22 long rifle, or .22 N. R. A. cartridges. Lower barrel is smooth bore for .44 Winchester shot, .44 caliber single ball and 410 gauge, 2-inch loaded shells. The 18-inch rifle will take .410 caliber, 2½-inch loaded shells. Stock adjustable to any drop, folds up or detaches. Either barrel can be used without change of sights. Complete with holster.

No.	Length barrels	Wt. each	Each
M-21	12 in.	4¼ lbs.	$27.50
M-21	15 in.	4¾ lbs.	28.15
M-21	18 in.	5½ lbs.	30.80

One in a box.

AIR RIFLES

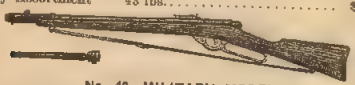
DAISY

This assortment consists of 12 Daisy Air Rifles picked from the best selling models. A handsome eleven color display rack is furnished free.

Assortment consists of the following rifles:

1 No. 25 Pump Action
1 No. 40 Military
2 No. 3 1000-Shot
2 No. 30 500-Shot
3 No. 11 350-Shot
3 No. 12 Single Shot

	Wt per asst.	Per asst.
Daisy Assortment	43 lbs.	$31.50



No. 40—MILITARY MODEL

Fifty-shot repeater. Steel barrel, blued finish. Walnut finish stock. Front sight, knife type. Rear sights, open and adjustable. Complete with sling and swivel, including rubber tipped bayonet for drill purposes. Forty-five inches over all, including bayonet. Lever action.

No.	Wt. each	Each
40	3¾ lbs.	$3.00

Six in a case. Weight, 38 lbs.

REPEATING AIR RIFLES

DAISY

No. 25—PUMP ACTION

Fifty-shot repeater. Blue steel frame and barrel. Length over all, 38 inches. Hand polished black walnut stock. Adjustable rear sight. Strong and accurate. Operates by pulling slide toward stock. Magazine has automatic forced feed.

No.	Wt. each	Each
25	3½ lbs	$5.00

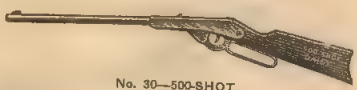
One in a box; six in a case. Weight, 30 lbs.

No. 3—1000-SHOT

Nickel steel barrel, 22 inches long. Length over all, 36 inches. Black walnut stock, oiled and polished. Rocky mountain front and peep rear sights. Lever action. All parts interchangeable. Shoots 1000 times without reloading.

No.	Wt. each	Each
3	2½ lbs.	$3.00

Six in a case. Weight, 21 lbs.

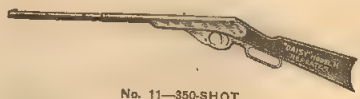


No. 30—500-SHOT

Blued steel barrel, 20 inches long. Length over all, 33 inches. Black walnut stock, oiled and polished. Rocky mountain front and peep rear sights. Lever action. All parts interchangeable. Shoots 500 times without reloading.

No.	Wt each	Each
30	2¼ lbs	$2.50

Six in a case. Weight, 21 lbs.



No. 11—350-SHOT

Nickel steel barrel, 18 inches long. Length over all, 31½ inches. Walnut stock. Rocky mountain peep and rear sights. Lever action. Shoots 350 times without reloading.

No.	Wt. each	Each
11	1⅞ lbs.	$2.00

Twelve in a case. Weight, 29 lbs.

Note—Daisy Air Rifles are designed to use Lead Shot, and barrels are not guaranteed if Steel Shot is used.

RIFLES

Take Down, with Automatic Ejector.

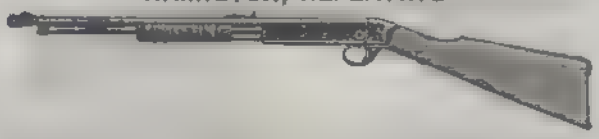
Round steel barrel, 16 inches long; length over all 30 inches; fitted with front knife blade sight and adjustable open rear sight; walnut stock and fore-end; rifle butt stock with steel plate.

Each

No. H02722—22 caliber; shoots **22 Shorts,** Nos. 22SL, 22SB, 22SSU, 22SSG, 22SSHP, 22SLHP; **22 Longs,** Nos. 22LL, 22LB, 22LSU, 22LSG, 22LSUHP, 22LLHP $8 25

Ten in wood case.

HAMILTON, REPEATING



Model No. 39, 22 caliber. Take Down with pump action. Magazine holds 15 Short, Rim Fire Cartridges.

Automatic lock prevents accidental discharge while operating pump action, as trigger can not be pulled until breech is locked in firing position. Pump action is automatically locked when rifle is loaded and ready to fire. A trigger lock in the gun just back of trigger may be used to prevent accidental discharge when rifle is loaded. This lock is not automatic. Barrel is bronze lined, accurately rifled, with solid steel breech. Front sight knife pattern, rear sight open and adjustable, stock and forearm genuine walnut turned. Length over all 35 inches. Length of barrel assembly when taken down, 21¼ inches. Weight about 4 lbs. each.

Each

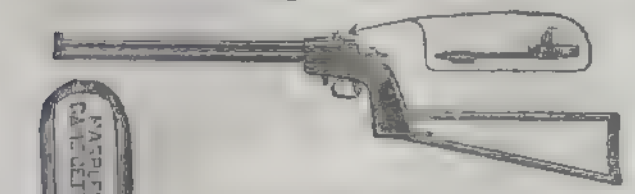
No. H3922 (Old No. 3922)—22 caliber; shoots 22 short rim fire cartridges $28 20

One in cardboard box, 10 in one case

GAME GETTER GUNS

MARBLE'S DOUBLE BARREL

Single Shot.



22 Caliber Rifle Barrel and 44 Caliber Smooth Barrel.

Round blued barrels 12 inches long, drop forged blued frame, single trigger; nickel plated steel tubing stock, walnut grips.

Fine leather holster with shoulder straps; length of gun attachment 10 inches; weight each about 35 ozs.

Shoots: **Shot Cartridges,** Nos. 44XLSB and 40-40WSB; **22 Shorts,** Nos. 22SL, 22SB, 22SSU, 22SSG, 22SSHP, 22SLHP; **22 Longs,** Nos. 22LL, 22LB, 22LSU, 22LSG, 22LSUHP, 22 LLHP; **22 Long Rifle,** Nos. 22LRL, 22LRS, 22 LRSHP, 22LRLHP.

Each

No. M21-12—12 in. barrel, complete with holster.. ✦$65 25
No. M21-15—15 in. barrel, complete with holster.. ✦ 66 00
No. M21-18—18 in. barrel, complete with holster.. ✦ 73 50

One in wood case.

✦F. O. B. Michigan Factory Only.

COMBINATION RIFLE AND PISTOLS

FIALA

Model 1920, 10 Shot.

An accurate well balanced target pistol which can be easily changed into a long range, fine shooting rifle. An important feature of this arm which is particularly valuable when used at the target range is, that breech may be left open while the arm is lying down or in the hands of operator until the very moment of firing. Equipped with a positive safety device.

When safety catch is raised the trigger is entirely disengaged, making it impossible to fire the gun or move bolt.

Black imitation leather covered case, velvet lined fitted with lock and key.

As a Rifle.

Length over all 35 inches.
Length barrel 20 inches.
Distance between sights 23½ inches.
Sights, folding peep sight adjustable for range.
Weight each 3¾ lbs.
Capacity magazine 10 cartridges.
Full pistol grip, walnut grips, forearm and butt.
Ammunition 22 caliber, long rifle rim fire, greased cartridge loaded with lesmok of semi-smokeless powder.
Finish, blued steel.

As a Target Pistol.

Length over all 11½ inches.
Length barrel 7½ inches.
Distance between sights 9⅝ inches.
Sights, open Navy type.
Weight each 31 ounces.

As a Pocket Pistol.

Length over all 6½ inches.
Length barrel 3 inches.
Weight each 27 ounces.

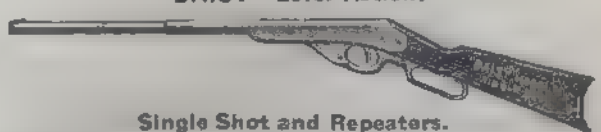
Each

No. 22C—22 caliber; shoots 22 rim fire long rifle cartridges. Complete with 3 barrels, receiver and butt stock as above described $74 25

One in imitation leather covered case; wt complete 5 lbs.

AIR RIFLES

DAISY—Lever Action.



Single Shot and Repeaters.

Lever action; extremely simple; removal of one screw enables user to remove all parts for inspection or replacement.

Peep rear sight and Rocky Mountain front sight; black walnut stock; length over all 31½ ins; weight each 1 11/16 lbs.

Per Doz

No. 12 Single shot, shoots air rifle shot and 17/32 darts; blued finish $37 50
No. 11—350 shot, repeater; shoots air rifle shot only; nickel finish 50 25

One doz in wood case; wt 26 lbs

AIR RIFLES

DAISY—Lever Action.

500 and 1000 Shot Repeaters.

Magazine repeater lever action loaded by operating the lever, shooting arm provided with patented shot retainer that enables the user to shoot downward without losing the shot.

Steel barrel and frame; turned stock of genuine black walnut, highly polished, fitted with blued steel butt plate. This rifle shoots with great force and precision; shoots air rifle shot; length over all 36 in.; wt. each 2 9/16 lbs. Per Doz

No. 30—500 shot repeater; blued $63 00
No. 3—1000 shot repeater; nickeled 75 75

Half doz in wood case: wt 20 lbs.

DAISY

Automatic Pump Action, Repeater. Take Down Model.

A real rifle with genuine pump action, that can be fired repeatedly from the shoulder, the loading action is automatic, the smoothest and easiest action ever invented. Operates by pulling the slide toward the stock, fires rapidly from the shoulder, the magazine having a forced feed.

Blued steel barrel and frame, non-rusting; genuine black walnut stock, hand polished; adjustable sights front and rear. Magazine holds about 75 shot. Length over all 38 ins.

Per Doz

No. 25AR—Repeater, 75 shot; shoots air rifle shot only; wt each 3¼ lbs $126 00

Six in wood case wt 25 lbs.

DAISY, MILITARY TYPE

Lever Action, Repeater. With Bayonet.

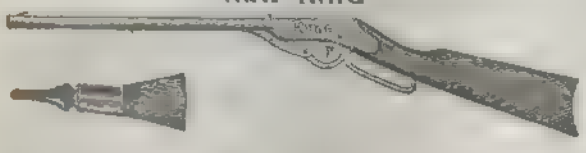
Beautiful walnut stock; all metal parts blued finish; rear sights are open and adjustable, front sight is of the target type, adjustable strap for carrying rubber tipped detachable bayonet for drill use. Has forced feed so that it can be fired in any direction without losing a shot.

Designed after the latest military rifle, with true army appearance. Shoots strong and accurately, is very neatly finished and will appeal to all boys. Per Doz

No. 40—50 shot repeater; shoots air rifle shot only; length over all, including bayonet 45 ins; wt each 3½ lbs $126 00

Half doz in wood case.

NEW KING



Single Shot.

Lever action, loads by operating lever.

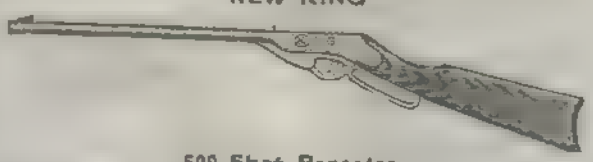
Blued steel barrel, frame and trimmings, knife blade front and peep rear sights, varnished walnut stock, all parts interchangeable. Length over all 31 ins. Per Doz

No. 21—Single shot; shoots air rifle shot or darts; wt each 1½ lbs $37 50

One doz in wood case; wt 25 lbs.

AIR RIFLES

NEW KING



500 Shot Repeater.

A well balanced repeater; shoots with force and accuracy. All parts interchangeable.

Barrel and frame one-piece blued steel; open rear sight; walnut finished stock; length over all 31 ins. Per Doz

No. 22—Shoots air rifle shot; wt each 1⅝ lbs $44 25

One doz in wood case; wt 25 lbs.

NEW KING

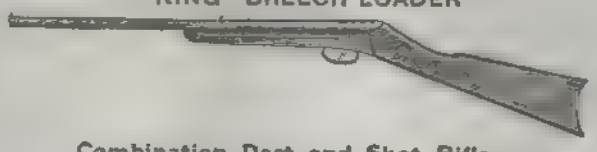
1000 Shot Repeater.

Hammerless magazine repeater, easy lever action; heavy blued steel barrel and frame; selected walnut stock; loads automatically and shoots air rifle shot with great force and accuracy. 1000 shot one at a time. Per Doz

No. 55-AR—Length 35 ins; wt each 1¾ lbs $50 25

One doz in wood case.

"KING" BREECH LOADER



Combination Dart and Shot Rifle.

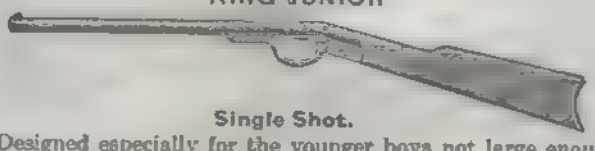
Gun blue steel barrel and all metal parts; stock made of select walnut, neatly finished. It breaks about the center of the rifle, and has an automatic locking device. The shot is placed in the shot seat on the front end of the rifle portion of the barrel; the dart is inserted point first in the rear end of the front barrel.

Per Doz

No. 17—Length over all 32 ins $63 00

One doz in case wt per doz 24 lbs.

KING JUNIOR



Single Shot.

Designed especially for the younger boys not large enough for a heavy air rifle.

Steel barrel, hardwood ebony finished stock; good sights and perfect action; length over all 29 ins. Per Doz

No. 10AR—Nickel plated barrel and frame; wt each 1⅛ lbs $22 80

One doz in wood case.

UPTON MACHINE CO.

Model 20, Single Shot, Lever Action.

Army blue finish steel barrel, frame and trimmings; safety lever action; walnut stock; length over all 32 ins.

Per Doz

No. D20—Single shot; shoots air rifle shot $37 50

One doz in case; wt per doz 32 lbs.

TOY ANIMALS

IMPORTED, MARGAREITE STEIFFE

IRISH TERRIER

Stuffed body; covered with finest quality mohair plush; sitting position; has ribbon around neck with bell attached. Squeak voice inserted in stomach and when pressing same a sound is emitted.

	Per Doz
No. 103—Height 9 ins	$57 00

Two in cardboard box; wt per doz 3½ lbs.

FOX

Stuffed body; covered with finest quality natural colored plush; has very natural features, sitting position. Squeak voice inserted in stomach and when pressing same a sound is emitted.

	Per Doz
No. 101—Height 9 ins	$60 00

Ten in carton box; wt per doz 3[illegible] lbs

IRISH TERRIER

Heavy wire frame, all joints securely welded, stuffed body; so constructed to withstand the abuse and weight of children, covered with finest quality natural color mohair plush; leather collar with nickel buckle. Erected on wooden disc wheels.

	Per Doz
No. 102—Height 11 ins	$99 00

One in paper pkg; wt per doz 15 lbs.

BEAR

Heavy wire frame, all joints securely welded, stuffed body; so constructed to withstand the abuse and weight of children, covered with finest quality silky mohair plush, natural dark brown color; leather collar. Unequaled for shape and beauty. Erected on wooden disc wheels. Each

No. 105—Height 11 ins [illegible] $15 00

One in paper pkg; wt each 3½ lbs.

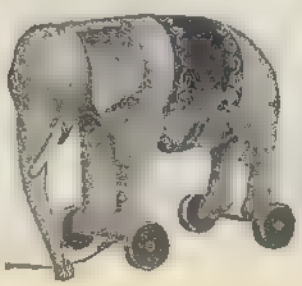
DONKEY

Heavy wire frame, all joints securely welded, stuffed body; so constructed to withstand the abuse and weight of children, covered with finest quality grey felt, has bridle and saddle with red felt saddle cloth. Erected on wooden disc wheels. Each

No. 104—Height 14 ins $18 00

One in paper pkg; wt each 2½ lbs.

ELEPHANT



Heavy wire frame, all joints securely welded, stuffed body; so constructed to withstand the abuse and weight of children, covered with best quality grey felt, with embroidered red felt saddle. Erected on wooden disc wheels.

Each

No. 106—Height 14 ins $22 50

One in paper pkg; wt each 4½ lbs.

DOLL CRADLES

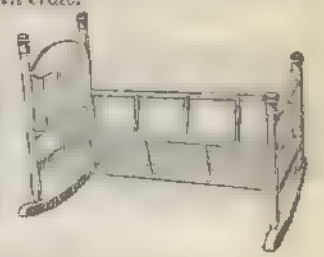
FOLDING

White enameled finish.

No.	M100
Length, ins	12
Width, ins	6
Height, ins	6¾
Wt 3 doz, lbs	21
Less than crate lots, Each	$0 60
Crate lots, Per Doz	6 00

Three doz in crate.

White enameled finish gold knobs.



No.	M104
Length, ins	24
Width, ins	12½
Height, ins	17
Wt per doz, lbs	40
Less crate lots, Each	$3 75
Crate lots, Per Doz	33 00

One doz in crate.

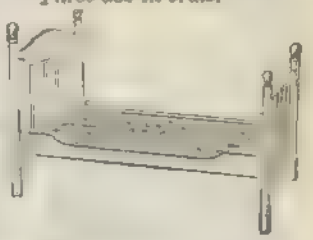
DOLL BEDS

White enameled finish, gold knobs

No.	M118
Length, ins	17
Width, ins	8½
Height, ins	10
Wt 3 doz, lbs	18
Less crate lots, Each	$1 20
Crate lots, Per Doz	12 00

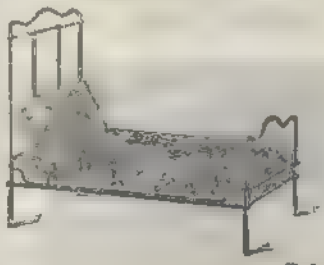
Three doz in crate.

White enameled finish, gold knobs.



No.	M122
Length, ins	24
Width, ins	11½
Height, ins	14½
Wt, lbs	45
Less crate lots, Each	$3 00
Crate lots, Per Doz	30 00

One doz in crate.



REDDICK

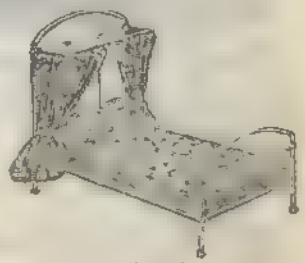
Made of tinned steel wire, brass lacquered finish; well soldered joints, with pillows.

	Printed Board Mattress	Excelsior Silkoline Mattress
Nos.	M19	M20
Length, ins	10	12
Width, ins	6	6
Height, ins	6¾	6¾
Per Doz	$6 60	13 20

No. M19, half doz in cardboard box; No. M20 one-twelfth doz in paper bag, one doz in carton.

REDDICK

Made of tinned steel wire, with split wire joints, soldered and electric welded, affording a joint that is rigid and strong; brass lacquered finish. Complete with silkoline shades, pillow and mattress.



	Per Doz
No. M9—Length 14 ins; height 11¾ ins; width 8½ ins	$24 00

One-twelfth doz in paper bag; 12 in carton; shipping wt per doz 14 lbs.

Federal Mercoid Electrical Control Switches

For use where it is desired to control, electrically, pressure, vacuum or thermostatic apparatus.

Pressure Type. Fig. 31

Mercoid room thermostats, hot water temperature controls, steam boiler controls, float type switches, air compressor switches, refrigerator controls.

Contact is made within the Federal Mercoid sealed glass tube, containing inert gases and mercury, accurate and positive in operation. No open arc, contact is locked in place on both the on and off positions.

Furnished for any service requiring definite on and off points.

Fig. 31, standard type for pressures to 500 pounds.

Single pole, each.. .... **$30.00**
Double pole, each..... **40.00**
Two-circuit (single pole and alarm), each..... **36.00**

Prices covering special ranges or requirements on application.

Low Water Alarm and Fusible Plug Combined

An auxiliary safety device for application to horizontal or vertical tubular boilers.

It combines a fusible plug melting by steam pressure and a whistle alarm which is sounded when low water line is reached. The cut shown here is the globe pattern for horizontal boilers. Applied to this type of boiler, a piece of ½-inch galvanized pipe leads from the bushing on the low water alarm down to within 1 inch above low water line. Under a satisfactory water level, the condenser is occupied by water, thus protecting the fusible plug filler. When low water line is reached, the water is replaced by steam, which melts the fusible plug and sounds the whistle alarm. A new fusible plug filler inserted in the whistle portion puts the device in service again.

As an auxiliary device, our low water alarm is acceptable to the A. S. M. E. State Inspection Bureaus and Insurance Companies, and is standard equipment with many of the large manufacturers of boilers.

No. 1 Plugs fuse below fifty pounds pressure.

No. 2 Plugs fuse below eighty pounds pressure.

No. 3 Plugs fuse below one hundred and sixty pounds pressure.

No. 4 Plugs fuse over one hundred and sixty pounds pressure.

In ordering, kindly state boiler pressure carried, and whether the device is wanted for application on horizontal or vertical boiler.

Price each, complete **$6.50**
Price each, extra fuse plugs ..... **.25**

Engine Room Clocks

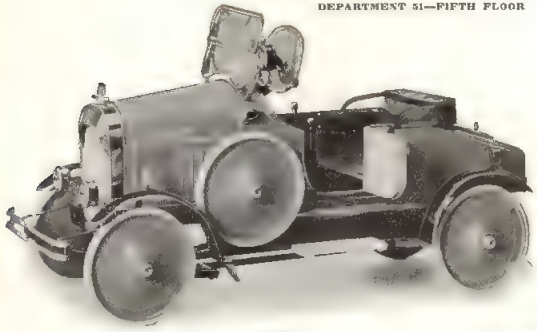
These Clocks are designed for use in Stationary and Marine Engine Rooms. They are regularly supplied in Deep Brass or Nickel-plated Case, and in Black Enameled Case to order. In appearance, they are designed to match our Standard Gauge Case and are, therefore, particularly adapted for Gauge Board mounting. They are fitted with hinged ring and snap lock. Made with Seth Thomas, Howard or Chelsea Eight-Day Movements.

Price Each

Size Inches	MOVEMENT					
	Howard		Seth Thomas		Chelsea	
	Brass Case	N P Case	Brass Case	N. P Case	Brass Case	N. P. Case
12	$110.00	$114.00	$90.00	$94.00	$90.00	$94.00
10	90.00	95.00	65.00	68.00	65.00	68.00
8½	80.00	83.50	55.00	57.50	55.00	57.50
6¾	70.00	72.00	45.00	47.00	45.00	47.00
6					40.00	41.50
5½					38.00	39.25
5					35.00	36.00

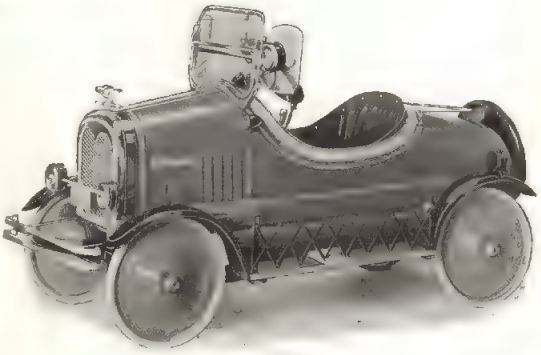
Children's Automobiles

DEPARTMENT 51—FIFTH FLOOR



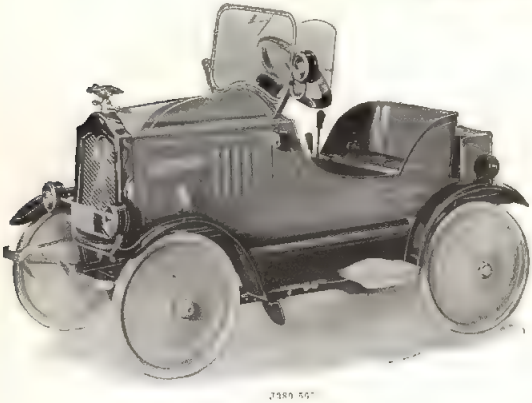
J380/570

J380/570—De Luxe: body 14x50 inches, finished in red, trimmed in yellow, silver and gold; nickel plated radiator top and band, compartment in rear, full upholstered leather seat, composition tilting steering wheel with gas and spark control, equipped with horn, gear shift, eagle radiator cap, head lamps, license tag, bumper, step plate, luggage carrier, fender mirror, cowl lamps, stop and slow signal, windshield with spot light, wind breakers, steel fenders, spare wheel with cover, instrument plate, oil can, tool kit, blue streak motor hummer; "no dead center" gear with adjustable rubber pedals; cantilever rear springs with ball bearing axle bracket; 12 inch disc wheels with ¾ inch rubber tires; roller bearings, wheels enameled red; nickel plated hub caps **Each 70 00**



J380/568

J380/568—Hudson: body 13x50 inches, finished in dark brown, trimmed in yellow and black, nickel plated radiator with metal screen, full upholstered leather seat; composition tilting steering wheel with gas and spark control, equipped with horn, gear shift, eagle radiator cap head lamps, license tag, bumper, step plate, luggage carrier, fender mirror, cowl lamps, stop and slow signal, windshield with spot light, wind breakers, steel fenders, spare wheel with cover, instrument plate, oil can, nickel plated rail on rear, blue streak motor hummer, "no dead center" gear with adjustable rubber pedals; cantilever springs with ball bearing axle brackets; 12 inch disc wheels with ¾ inch rubber tires; roller bearing, wheels enameled red, nickel plated hub caps..... **Each 57 00**



J380/567

J380/567—Marmon: body 13x42 inches; finished in blue, trimmed in yellow and red; nickel plated front with metal screen, leather seat pad, composition tilting steering wheel with gas and spark control, equipped with horn, gear shift, eagle radiator cap, head lamps, license tag, bumper, cast step plate, fender mirror, stop and slow signal, cowl lamps, wind shield with spot light, wind breakers, steel fenders, instrument plate, oil can, trunk on rear, tool kit; "no dead center" gear with adjustable rubber pedals, cantilever rear springs with ball bearing axle brackets; 12 inch disc wheels with ¾ inch rubber tires, wheels enameled red; nickel plated hub caps .. **Each 50 00**

Velocipedes

DEPARTMENT 51—FIFTH FLOOR

"Velo-King" Tubular, Ball Bearing Velocipede; the most perfect velocipede it is possible to produce, built from cold rolled steel, steel rimmed wheels, nickel plated bicycle spokes and hub caps, 1 inch cushion tires, ball bearing, rubber bicycle pedals, finest grade, adjustable bicycle saddle, well padded and fitted on double coil springs, adjustable handle bar with rubber grips, fork crown, pedals, hangers, handle bars and seat post are nickel plated, frame and wheel rims are finished in bright red bicycle enamel, each in a carton.

		Each
J380 582—	Front wheel 14 inches, rear wheels 10 inches	20 00
J380 583—	Front wheel 16 inches, rear wheels 12 inches	24 00
J380 584—	Front wheel 20 inches, rear wheels 14 inches	27 00
J380 585—	Front wheel 24 inches, rear wheels 16 inches	33 00

"Toledo" Tubular Velocipedes; frames constructed of best grade tubing, fork half oval steel; arched crown; fork sides are curved to conform to standard bicycle forks, riveted spokes; ⅝ inch rubber tires, front wheel fitted with ball bearings, rear wheels roller bearings, padded leather bicycle saddle on coil springs; adjustable handle bar; rubber pedals and rubber grips; frame and wheels enameled bright Indian red; handle bars, seat post and cranks are nickel plated; each in a carton.

		Each
J380 553—	Front wheel 16 inches; rear wheels 10 inches	18 00
J380 554—	Front wheel 20 inches; rear wheels 14 inches	21 00
J380/555—	Front wheel 24 inches; rear wheels 16 inches	24 00

"Toledo" Special Velocipedes; frame is of half oval steel, extra wide rear axle, bicycle head fork, half oval steel fork sides; arched fork crown, adjustable handle bar; rubber pedals and rubber grips, genuine leather saddle on resilient double coil springs, frame, fork and wheels enameled in bright Indian red; nickel plated hub caps, each in a carton.

J380/550—Front wheel 14 inches; rear wheels 10 inches .....**Each 10 50**
J380/551—Front wheel 16 inches; rear wheels 12 inches .....**Each 11 50**
J380/552—Front wheel 20 inches, rear wheels 14 inches .... **Each 12 00**

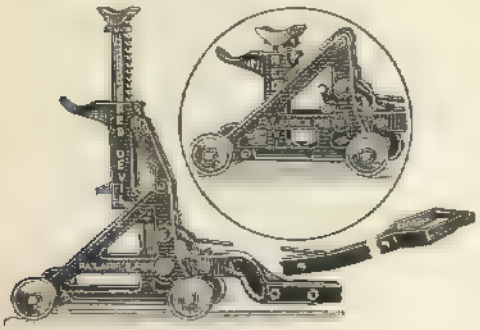
Scout Velocipede; frame of half oval steel, fork head is malleable iron, handle bars are curved outward and so constructed as to give the rider liberal leg room; natural finish wood grips, the saddle is of hard fibre, riveted on steel base; frame and fork are finished in black enamel, wheels in red enamel, ½ inch front rubber tire, ⅜ inch rear; packed knocked down, each in a crate.

		Each
J380/356—	Front wheel 12 inches, rear wheels 8 inches	5 50
J380/547—	Front wheel 14 inches, rear wheels 8 inches	6 50
J380/548—	Front wheel 16 inches, rear wheels 12 inches	7 00
J380/549—	Front wheel 20 inches, rear wheels 14 inches	8 00

MARQUETTE GARAGE JACKS AND IRON HORSE

MARQUETTE QUICK LIFT TIRE JACK

(Formerly Wood Imes)



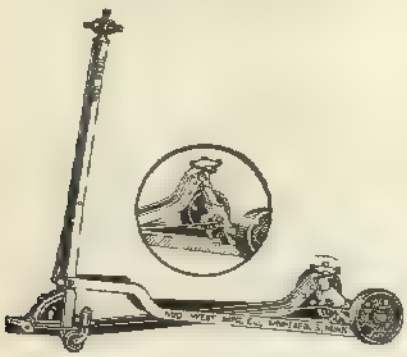
Marquette Quick-Lift Tire Jack. Simple, quick, sure and safe. A time, labor and money saver in tire changing, removing springs, and other general jack uses.

The handle is 48 inches long, and the jack is on wheels so it rolls right into position ready for use. Then each stroke of the handle lifts the car an average of 1¾ inches, and in four strokes you have a clearance of 7 inches. The cap is pivoted so its full surface supports the axle, and the low, broad wheel base 12x6 inches, makes the Marquette a tire jack that will never topple over. In construction the Marquette is 8½ inches high when in lowered position. The adjustable rack bar can be extended 5¾ inches, and the 7-inch lift gives the Marquette Tire Jack an over all height of 20¾ inches. Built of best steel, it weighs 52 pounds, and has a quick lifting capacity of 1,500 pounds.

Marquette Quick-Lift Tire Jack. ... ...each $20 00

MARQUETTE DOLLY JACK

(Formerly Wood-Imes)



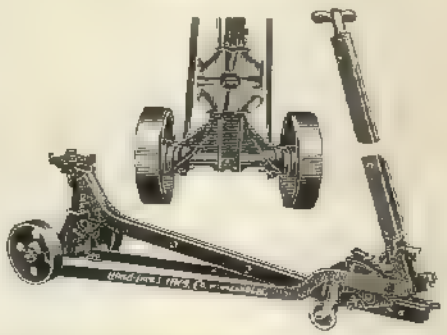
Marquette Dolly Jack. A quick-lift jack and turntable for use in every garage. Used for unloading cars, on the wash rack and in crowded places. Range of adjustment, 8 to 14½ inches; diameter of wheels, 8¼ inches; tread, 2 inches; width of track, O. S., 15 inches; length of truck, 24 inches; distance between wheels, 13 inches.

This jack is made also in two other types, one with 5 inch wide steel tires which enable the jack to roll easily over the rough places, and the other with rubber tires is for use on highly polished floors, Mosaic or tile floors. Tires are securely held in bolted split clincher wheels.

Marquette Dolly Jack.. .... each $30 00
Marquette Dolly Jack, with 5-inch wide steel tires
Each $35 00
Marquette Dolly Jack, with rubber tires.. ..each 45 00

MARQUETTE LEVERAGE JACK

(Formerly Wood-Imes)

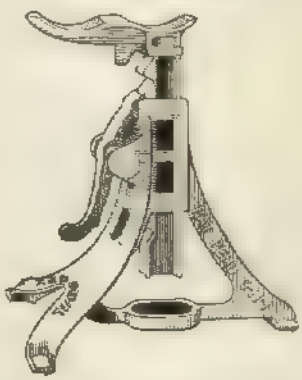


Marquette Leverage Jack has a large all-steel swivel cap (5x5-inch) with large center hole (1⅝ inch) to take drain plug in the differential housing, and grooved to accommodate truss rods, assuring a steady, firm grip on the car, and as the swivel cap is in a horizontal position at any height there can positively be no slipping of the load. The handle can be leaned up out of the aisle when the load is up, and when not in use the handle folds down flat on the jack, so that it can be shoved under a bench.

Range on adjustment, inches..... .....8¼ to 13¼
Lift, inches.... ... . 8¼ to 12¾ or 4½
Tread, inches 12
Length of body, inches..... 62
Shipping weight, pounds.....124
Marquette Leverage Jack .....each $36 00
Marquette Leverage Jack, with wide wheels. " 40 00
Marquette Leverage Jack, with rubber tires. " 48 00

MARQUETTE ADJUSTABLE IRON HORSE

(Formerly Wood-Imes)



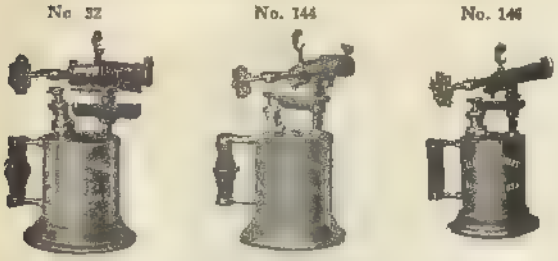
Marquette Adjustable Iron Horse eliminates the use of wood blocks in the shop, storeroom and on the display floor. It will not slip or tip over. To lower the car it is not necessary to use a jack, as a slight tap on the pawl releases the rack bar, and the car drops to its normal position.

It is 9¾ inches high and extends to 16¼ inches, giving a raised clearance of 6½ inches. Extra racks for special heights may be obtained. Weight, 8 pounds.

Marquette Adjustable Iron Horse.....each $2 75

TORCHES, SOLDERING IRONS AND CRANES

C. & L. SINGLE NEEDLE TORCHES



No. 32 Clayton & Lambert Gasoline Torch. Single needle. Capacity, 1 quart. It produces over 300 degrees more heat than any other torch. Burns low test fuels. Tank is heavy gauge brass strongly reinforced on the inside. Pump and all fittings are the very best. Sturdy construction. Hook is removable. Weight, 4¼ pounds.

No. 32 C. & L. Gasoline Torch.....each $18 00

No. 144 Clayton & Lambert Gasoline Torch is made to meet the demand for a cheap torch. Capacity, 1 quart. The tank is made of polished brass. Burner has an open generator that injects the air which mixes with the gas, producing a steady blue flame. Made with removable cast hook and support. Weight, 4¼ pounds.

No. 144 C. & L. Gasoline Torch.....each $15 00

No. 146 Clayton & Lambert Torch is of the same construction as No. 144 but smaller, pint size, fitted with hook and support for holding a soldering iron. Hook is removable. Shipping weight, each, 3 pounds

No. 146 C. & L. Gasoline Torch . . . . . each $14 00

ADROIT JUNIOR SOLDERING IRON

Adroit Junior Electric Soldering Iron. For radio, home or light factory use. Operates on either A. C. or D. C. Is light but strong, uniform in temperature, and with its three styles of tips will reach joints usually inaccessible to ordinary irons.

Adroit Junior Soldering Iron . . . . . each $2 25
Adroit Junior Soldering Iron. With set of 5 tips.
. . . . . complete 3 25

EUREKA BRAND POINTED SOLDERING COPPERS

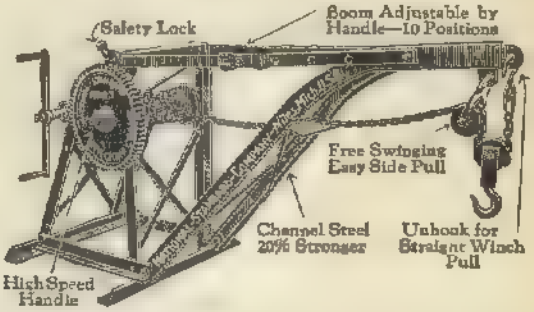
3 lbs. per pair and heavier———cents per lb. base.
2½ lbs. per pair and heavier add 1 cent per lb. base.
2 lbs. per pair and heavier add 2 cents per lb. base.
1½ lbs. per pair and heavier add 3 cents per lb. base.
1 lb. per pair and heavier add 6 cents per lb. base.

SOLDERING COPPER HANDLES

Soldering Copper Handles. Made from soft wood, iron ferrule.

Soldering Copper Handles.....each $0 10

NATIONAL-STANDARD WRECKING CRANE


Safety Lock
Boom Adjustable by Handle—10 Positions
Free Swinging Easy Side Pull
Channel Steel 20% Stronger
Unhook for Straight Winch Pull
High Speed Handle

National-Standard Wrecking Crane. The base of the "Standard" Wrecking Crane is 30 inches wide by 36 inches long, a compact size that enables it to be installed on small cars such as the Ford, Chevrolet and others. Yet its construction is such that this small base does not decrease its strength

The boom may be adjusted for height by one man without danger of dropping, for when placed in its lowest position, lugs attached to the sliding strap prevent the boom from falling. Two locking pins are easily removed, making ten working heights instantly available.

Equipped with a positive locking device so that the locking ratchet which is in constant mesh with the large gear when power is being applied can be locked in engagement making it impossible for it to jar out while towing a wreck.

The drum is equipped with chain guides, preventing chain from piling up on the side of the frame.

The Crane has a capacity of two tons with one man and the handle is so constructed that additional leverage may be obtained where necessary.

For power and ease of operation, place crank on small gear shaft. For speed, place crank on large gear shaft, reeling the chain five times as fast. Crank can be used on either side of crane. Thumb screws make change very easy

The base of this Crane is made from angle irons, drilled with several holes so that where desired rods may be run through the bed of the truck or wrecking car direct to the frame of the car, thus taking unnecessary strain off the car body. The main frame is built of heavy angles, well braced by trusses, while the boom is constructed of channels which are also well braced for side pulls. The adjustable bars connecting the boom to the main frame of the Crane are made from heavy flat stock, and a locking pin gives quick adjustment. An extra heavy chain is furnished and the drum has extra capacity so that additional chain may be added if desired.

It is not necessary to get the car directly in line with the wreck, as the "Standard" Crane will pull at any angle. This is accomplished by a swinging pulley on the boom.

Specifications: Height, from 40 inches to 70 inches. Base, 30x36 inches. Maximum leverage, 120 to 1. Size of chain, 5/16 inch—26 feet long. Length of boom, 72 inches. Net weight, 390 pounds. Shipping weight, 415 pounds.

Model 93 "Standard" Wrecking Crane.....each $95 00

"They Keep a-Running"

¼-h.p. Century Repulsion-Start Induction Single-Phase Motor

No Special Starting Fuses Required

1 Usually no special starting fuses are required for Century Repulsion-start Induction Single-phase Motors.

2 Starting-current requirements are low—not to exceed of 265% of full load current.

3 This permits the use of any standard single throw starting switch.

4 Fuses which will protect the motor while running and carrying its load are generally of ample capacity for starting because of the low starting current and quick acceleration.

The Century Wool-yarn System of Lubrication (applied to Century Repulsion-start Induction Single-phase fractional horsepower motors) is a real engineering advance. It consists of a number of continuous unbroken strands of pure wool-yarn lapped over the shaft and dipping down into the oil well. Especially applicable to emery stands, bench grinders and similar equipment, because the filtering properties of the pure wool-yarn strands prevent abrasive particles, emery dust or compounds from reaching the bearing surfaces through the oil wells.

In addition to this feature, the Century Wool-yarn System of Lubrication permits more than one year's continuous operation without refilling. Oil well is especially large and is not fitted wth a drain plug at the bottom—therefore oil is conserved indefinitely.

Built in all standard sizes, from 1/8 to 40 horsepower—temperature rise not more than 40 degrees Centigrade.

CENTURY ELECTRIC COMPANY

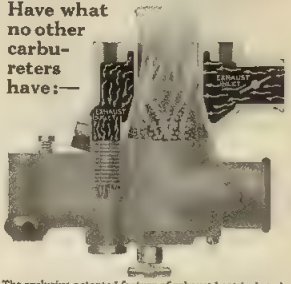
1806 Pine Street St. Louis, Mo.

For More Than 22 Years at St. Louis

¼ to 40 H P. Century MOTORS ¼ to 40 H P

MARVEL
Carbureters

Have what no other carbureters have:—

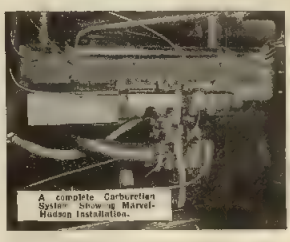


The exclusive patented feature of exhaust heat jacketed around the throttle automatically controlled.

Exhaust heat around the throttle changes the fuel "Rain Drops" in the mixture to the proper combustible gas as shown, and this heat is available from the first explosion

THINK WHAT THIS MEANS TO

HUDSON OWNERS



A complete Carburetion System showing Marvel-Hudson Installation.

QUICK WARM UP FROM COLD ENGINE
LESS CHOKER MANIPULATION
LESS CRANK CASE DILUTION
LESS CARBON DEPOSIT
POSITIVELY BETTER WINTER PERFORMANCE
POSITIVELY INCREASED MILES PER GALLON

The heat must be at the throttle and under automatic control to get the change in mixture conditions shown above. This has been established as a scientific fact.

SEE WHAT THIS DOES TO YOUR HUDSON.
Our guarantee protects against dissatisfaction.

MARVEL CARBURETER CO.

1400 St Johns Street FLINT, MICH., U. S. A.

The World's Most Notable Artists In Their Line

FOUR CASTING LAMYS

FASCINATING, ASTOUNDING ACROBATIC STUDIES

COMBINATION CASTING *and* TRAMPOLINE
ORIGINATORS OF SENSATIONAL HAND-CASTING

SUPERB DEMONSTRATIONS OF SUPERIOR ABILITY

EVERY ACT *IN THIS CATALOG CONTROLLED EXCLUSIVELY*
BY **WORLD AMUSEMENT SERVICE ASSOCIATION, Inc.**
"SERVICE and SATISFACTION"

Most Wonderful Trained Fox Terriers Ever Exhibited

Max York's Pupils

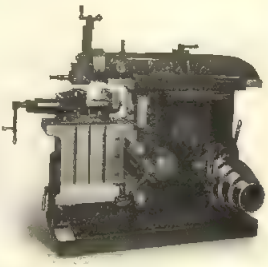
The Dogs Duplicate all the Men's Acrobatics

The Hurdling Dogs—Irresistibly Funny
An Animal Novelty Entirely New
No Fill-Ins—Every Canine A Star

SHAPERS

McDougall Cone Drive

16", 20" and 24" Single and Back Geared



No. 2549

The 24" back geared shaper shown in the illustration is not only the heaviest and most powerful machine of its stroke in the market but except in length of stroke the machine is practically equal to the next larger size of most other makes, this fact plainly indicating its unusually massive and substantial construction

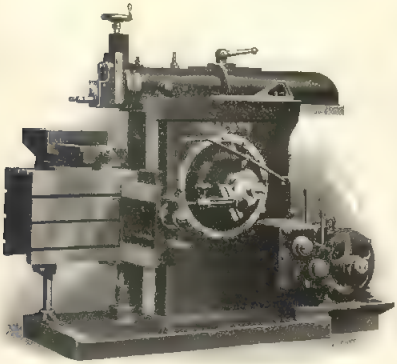
Among its labor saving features may be mentioned the safety stop for the cross feed, the large opening under ram for keyseating shafting, the arrangement for quickly changing the down and cross feeds while machine is in operation or at rest, the graduated swivel vise base, the graduated swivel head, the stroke indicator the heavy pan base, etc.

One of the most interesting features of the McDougall 24" Shaper and one which is absolutely essential to the life and accuracy of any **heavy** shaper, is the use of **full length taper gibs** for all flat bearings for taking up the wear. These gibs are arranged for end screw adjustment, by means of which a perfect full length metal to metal bearing can be constantly maintained. This shaper is from new patterns throughout and represents the latest and most approved ideas in shaper construction

McDougall Shapers are also made in 16" and 20" sizes.

Gear Box Drive Crank Shaper

16", 20" and 24"



No. 2550

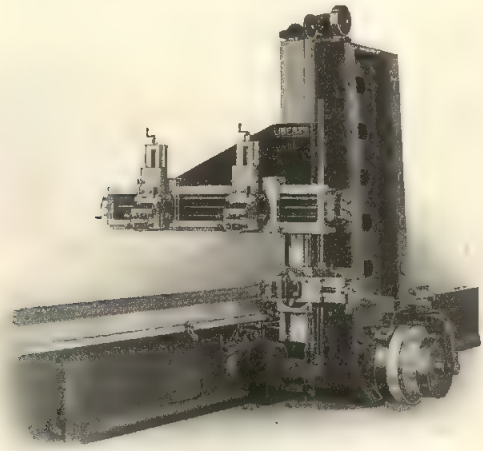
In the single pulley drive and motor drive machines power is transmitted through a friction clutch. All gears and shafts are hardened and ground and run in oil. Four changes of speed are obtained with positive clutches, and these are multiplied by sliding gear in column of machine, giving eight ram speeds in geometrical progression.

All levers are conveniently located on the working side of machine, the control being within easy reach of the operator. A brake spool is provided in connection with friction clutch, which enables ram to be stopped in exact position desired.

All gears in machine are of helical design, course pitch and wide face, and are cut on a machine especially designed for that purpose. These gears insure a quiet running machine, with a steady, powerful stroke, and an absence of any chatter or roughness.

Power feed to tool head may be furnished, if desired, and each machine is regularly equipped with vise, table support and all necessary wrenches.

Liberty Planers



No. 2548—Open Side Planer

(Continued)

In operation the power is transmitted from a spur gear on the end of the bull pinion shaft, through a pair of reversing mitre gears to the vertical splined feed shaft A handle conveniently located operates a positive clutch and determines whether the feed is to take place on the cutting or return stroke. Placing the handle in a neutral position disengages all feeds. A pair of mitre gears on the vertical feed shaft operate the self-releasing friction attached to the feed gear on end of rail or side head. An automatically locked adjustable stop operated by a knob determines the amount of feed obtained. The usual trigger gears meshing with the feed gear are replaced by reversible ratchet gears, operated by shifting handles. The position of these handles coincides with the desired direction of the feed.

STANDARD PLANER SPECIFICATIONS

Size of Planer	22"	24"	30"	36"	42"	48"	54"	60"	72"
Max. Width Between Housings	22"	22"	31"	37"	43"	49"	55"	61"	73"
Max. Height Under Cross Rail	23"	23"	31"	37"	43"	49"	55"	61"	73"
Length of Table	4'	6'	8'	8	10'	10'	10	12'	12'
Width of Table	18"	21"	25"	30"	36"	40"	45"	50"	60"
Length of Bed	7'-0"	10'-0"	13'-4"	13'-5"	16'-10"	17'-4"	17'-4"	20'-10"	20'-10"
Depth of Bed	27"	27"	27"	27"	27'	27'	27'	27"	27"
Distance Between Vee's	12"	13"	17"	20"	23"	26"	26"	32"	40"
Face of Housings	4"	6½"	7"	8"	9"	10½"	10½"	12"	15"
Face of Cross Rail	8½"	10¼"	12½"	14"	14"	15½"	15½"	17"	20½"
Length of Saddle Bearing on Rail	10½"	12½"	14½"	16"	16"	17½"	17½"	21"	26"
Face of Bull Wheel and Rack	3½"	5"	6½"	6"	7½"	8½"	8½"	10"	13"
Diametral Pitch of Rack	4	4	4	3	3	3	4"	2	3
Width of Driving Belts	1½"	2"	2½"	3"	3"	4"	4"	(3)3"	(2)3"
Horse Power Required	3	5	10	15	20	25	30	35	40
Floor Space Length overall	8'-11"	13'-1"	17'-4"	17'-6"	21'- 6"	21'-5"	21'- 5"	25'-10"	29'-10"
" " Width overall	4'- 5"	5'-3"	6'-2"	7'-5"	8'- 2"	9'-4"	9'-10"	11'- 1"	12'-11"
Height overall	5'- 8"	6'-1"	7'-2"	8'-3"	8'-10"	9'-5"	9'-11"	10'- 9"	12'- 8"
Weight, Pounds	4600	7000	12000	17000	22000	30000	36000	45800	60000
Weight, Extra Foot Pounds	400	550	750	1000	1200	1300	1400	1700	2100
Weight, Boxed for Export Pounds	5800	8600	14500	20000	26000	34500	40000	51000	68000
Boxed for Export Cubic Feet	100	135	300	350	435	485	510	600	750

MECHANICAL AUTOMOBILES

Strong springs, long running, finished in bright colors, modeled after the latest standard cars.

ROADSTER

T3126—Red enameled body, black striped; imitation rubber tire wheels; runs straight and in circle; length 6 ins., width 2¾ ins. 2¾ ins. high; 1 dozen in box. Dozen 2.00

SEDAN

T3138—Gray enameled body, black top and fenders; disc wheels; runs straight and in circle; 5½ ins. long 2⅝ ins. wide, 2¾ ins. high; each in carton. Dozen 2.15

T3137—Finished in orange, nicely striped; with chauffeur; hinged doors; good spring; length 7½ ins.; 3¼ ins. wide, 3⅜ ins high ¼ dozen in box Dozen 4.20

TOURING CARS

T3127—Gray enameled, black and yellow striping; blue wheels, with chauffeur; runs straight and in circle; good spring; length 8 ins., 3¼ ins. wide, 2½ ins. high; ½ dozen in carton. Dozen 4.20

YELLOW CAB

T3140 — Yellow body, and disc wheels; black top, fenders and hood; side doors open, runs straight and in circle; 7½ ins long, 3½ ins wide, 4 ins. high, each in carton Dozen . . . 4.50

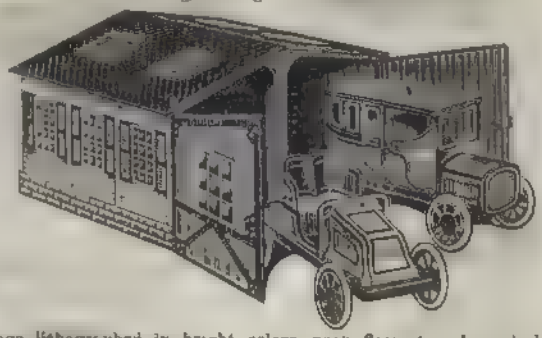
HESSMOBILE

T3147—Dynamobile mechanism; operated with crank; enameled bright red; 7½ ins. long, 3 ins. wide, 3 ins. high; ¼ dozen in carton. Dozen 4.50

You can save many a dollar by buying from this catalogue.

LITHOGRAPHED DECORATED METAL GARAGE

With two long running mechanical Automobiles



Garage lithographed in bright colors, with floor, two hinged doors with latch; painted windows and sky lights; size closed 8½x6½x4½ ins. high; two clock-work spring mechanical autos, roadster and limousine, attractively painted in good colors; adjustable to run straight and in circle; roadster 3x6½x3 ins., limousine 3x5x3½ ins.; complete in carton

T3150—Auto garage with autos. Dozen 8.00

BLACK AND WHITE TAXI

T3146—White enameled body and wheels, black hood, top and fenders, hinged doors; runs straight and in circle; length 8½ ins., width 4 ins. 5 ins. high. Dozen....6.00

CHECKER CAB

T3145 — Yellow body and disc wheels; black top, hood and fenders; hinged doors; black and white checker banded; length 8½ ins., width 4 in., 5 in. high. Doz. 3.25

WAT'S A MATTER TAXI

T3144— White and buff enameled taxi; black fenders, hinged doors; runs straight and in circle; jointed chauffeur who looks out of the window when auto gets in trouble; 4 ins. wide, 4¾ ins. high, 9 ins. long, each in box. Dozen 9.00

SEDAN

T3139—Late model; blue and white finished body and hood; nicely striped; imitation rubber tired blue wheels; with driver; runs straight and in circle; hinged doors; length 9 ins., width 3¾ ins., 4½ ins. high. Dozen 9.00

TOURING CAR

With brake

T3130—Touring car; gray enameled, yellow striped; brown upholstered; imitation rubber tired yellow wheels; with chauffeur; long running guaranteed spring; shift gear lever for stopping and starting car; length 11 ins.; width 4½ ins., 5¼ ins. high; each in carton Each 1.00

TOURING CAR

Steers right or left from steering wheel

T3142—Extra fine model; finished in bright color enamels; hinged doors, 2 hinged top tool boxes and rear luggage carrier; movable steering wheel, by which front wheels are turned to run right or left; 4½ ins. wide, 6 ins. high 13 ins. long each in carton Each 1.25

BIG BARGAINS

Are offered in our mechanical toys; this is the line from which you will make your selections

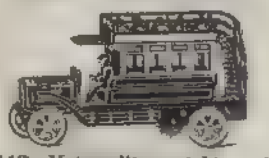
LIMOUSINE

With brake

T3141 -Packard model; green enameled chassis and wheels, nicely striped; black top; runs straight and in circle; with brake; chauffeur; hinged door on each side; length 10½ ins., width 4¼ ins., 5½ ins. high; each in box. Each 1.65

T3143—Same as T3141, larger, length 12½ ins., width 4¾ ins., height 6¼ ins.; each in box. Each 2.00

SIGHT SEEING BUS



T3115—Metropolitan sight seeing bus; finished in green and brown enamel; green wheels; with winding stair and seats on top; length 7¾ ins., width 3 ins., height 4½ ins.; each in carton. Dozen. .6.00

T3116 — Same as T3115, larger; length 12 ins., width 4½ ins., height 6 ins.; fitted with rubber tires; each in box. Each.....1.75

GARAGE

COMPLETE WITH AUTOS

T3148—All metal, lithographed in bright colors, with painted windows on sides and ends; two hinged doors with latch to keep them closed; four painted sky lights on roof; clockwork spring; Sedan 3x5½ in., 3¼ ins. high, which runs straight or in circle; garage 4¾x6½ ins., 4 ins. high; ½ dozen in carton. Dozen 4.25

FIRE HOUSE GARAGE

T3149—Same as T3148, but fire engine garage, with mechanical fire engine and ladder truck; each 6 ins. long; size garage 5½x8¼ ins., 6 in. high; 1/3 dozen in carton. Dozen 9.00

NIFTY TRUCK AUTOMATIC TILTER

T3125—Green enameled truck, disc wheels; black fenders, automatic dump body; when wound up, truck runs along, then stops, the tilter dumping, then righting itself as the truck moves along again; 9 ins. long, 4 ins. wide, 4 ins. high; each in carton. Dozen.....8.75

DOUBLE FRICTION TOYS

Strongly constructed of sheet steel, insuring durability; enameled and gold striped, packed one in box. Have no springs to get out of order, but are operated by cast iron, balanced fly wheel, which when set in motion transmits the power to the wheels by friction.

T3506—Stutz Racer; nicely finished in bright, attractive colors, length 8¼ ins., width 3⅜ in., 3½ ins. high; each in carton. Dozen 4.25

T3524—Racer; red enameled, yellow disc wheels; length 10 ins., width 3½ ins., height 3½ ins.; each in carton. Dozen 6.00

T3509—Roamer sport car; finished in red and yellow enamels; length 8½ in., width 3½ in., 4¼ in. high; each in carton. Dozen 6.50

T3525 — Duck: yellow and green body, red head, brown wings, yellow disc wheels; length 9 ins., width 4¾ ins., height 7 ins.; each in carton. Dozen 3.00

T3526—Elephant, finished in gray enamel, red saddle, yellow disc wheels on platform; length 10 ins., width 4 ins., height 7½ ins.; each in carton. Dozen 3.00

T3523—Street Car; body yellow, trimmed in red and gold; runs forward and backward; length 16 in., 4 in. wide, 5 in. high; each in carton. Each ..... .85

T3539—Fire Engine; bright red chassis, and disc wheels, yellow boiler and reel; length 18 ins., width 4¾ ins., height 7¾ ins.; each in carton. Each 1.00

T3518—Two Ton Truck; finished in green enamel, red trim, yellow disc wheels; length 14 ins., width 6 ins., height 6 ins.; each in carton. Each 1.00

T3541—Airplane; finished in bright yellow, red wings, propeller and rudder, yellow disc rubber tired wheels; length 17 ins., width 12½ ins., height 5 ins.; each in carton. Each 1.00

T3535—Engine and Tender; steel throughout; four track wheels, all being put in motion when double friction power is started; painted red and green, striped in gilt, gilt wheels; size, length 20 ins.; height 5½ inches; each in a carton. Each 1.00

T3540—Chemical Engine; yellow enameled, red trim; yellow rubber tired disc wheels; length 13½ ins., width 4½ ins., height 5 ins.; each in carton. Each 1.10

T3531—Coupe, blue enameled body black top, yellow rubber tired disc wheels; length 13½ ins., width 4½ ins., height 6¼ ins.; each in carton. Each 1.15

T3514—Dump Truck; green enameled, red trim, yellow disc wheels; dumping bed; length 14 ins., width 6 ins., height 6 ins.; each in carton. Each 1.25

T3536—Country Club; yellow enameled, black running board, fenders and hood; nickeled lamps and bumper; rubber tired disc wheels with spare; length 19 ins., width 7½ ins., height 5¾ ins.; each in carton. Each 1.68

T3537 — Roadster; red enameled, black fenders and running board, tan hood; nickeled lamps and bumper; rubber tired disc wheels with spare; length 19 ins., width 7½ ins., height 6 ins.; each in carton. Each 1.68

T3538—Victoria Coupe; dark blue enameled, black hood, running board and fenders; nickeled lamps and bumpers; rubber tired disc wheels and spare; length 19 ins., width 8 ins., height 6 ins.; each in carton. Each 1.68

EXTRA FINE LARGE SIZE INERTIA MOTOR AUTOS

These are unquestionably the finest built, accurately modeled autos made.

PACKARD RACER

T3543 — Red enameled body, fenders and disc wheels, gilt trimmings; with bumper, running boards and spare; 4 in. wheels fitted with corrugated rubber tires; with enclosed mechanical inertia wheel easy and long running motor; length 26 ins., width 7 ins., 7 ins. high; each in box. Each 2.15

PACKARD SPORT CAR

T3544—Same as T3543, but sport model, and fitted in addition with tan enameled top, green wind shield and black enameled hinged lid trunk; length 26 ins., 7 ins. wide, 9 ins. high; each in box. Each.....2.75

PACKARD FIRE TRUCK

T3542—Fire Truck; red enameled, yellow boiler, ladders and trim; equipped with balloon tires; length 26¼ ins., width 7¼ ins.; height 11½ ins.; each in carton. Each 3.50

PACKARD DUMP TRUCK

T3545—Dump Truck; blue enameled, red top, red disc wheels, equipped with balloon tires; black enameled dumping bed; length 27¾ ins., width 7 ¼ ins., height 9¼ ins.; each in carton. Each 3.50

PULL TROLLEY CARS AND LOCOMOTIVES

Large size; bright colors.

T2880—Sheet steel pull street car; finished in bright red and yellow; length 24 ins., width 4 ins., height 8 ins. each in carton.

Each 1.08

EXTRA LARGE LOCOMOTIVE AND TENDER

30 inches long, perfectly modeled, handsomely finished

T2878—All steel; can be pulled with a string or one push will send it across the room; substantially constructed; finished in red enamel and striped in gold; equipped with 10 double steel wheels and automatic bell; size 30 inches long; 6¼ inches high; 5 inches wide; each in carton. Each 1.42

Gifts for Christmas

Order Early

2 Toys 59¢

Sand Crane and Dump Truck

A black mechanical dump truck and a yellow crane with a hook that moves up and down. Each 5½ inches long.

48 C 3996 ... Postage per set, 5¢ extra ... 59¢

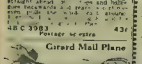
Makes Everyone Laugh 43¢

Balking Mule

Pretty gray mule that can be made to go straight ahead, or balk and kick. Rider becomes angry and whips mule, which kicks harder. Mule 10 inches long.

48 C 3983 ... Postage 9¢ extra ... 43¢

Girard Mail Plane



48 C 3933 ...

48 C 3934—Aeronica. Long tube as shown. Opens with wings about 10½ inches. ... Postage 4¢ extra ... 43¢

Two Big Friction Autos and Steel Garage

You'll have to rub your eyes to be sure you're not dreaming when you see this wonder set. Real rubber tires, steel axles, steel bumper, hood, top, and windshield. Sedan 9 inches long and coupe with 2 seats and rumble seat 8 inches long. Both have real rubber tires and yellow disc wheels. Also, on the coupe, a steering wheel so he can back it up, turn it around, and drive it this way and that. Has steel bumpers.

Real Rubber Tires

Complete Set $4.98

The Garage. See how quickly cars can assemble this heavy sheet metal portable garage. Has sliding doors, driver starts included. Has 2 doors and back window, sliding as shown. Has 2 garage doors for cars to enter and exit. In rear swinging door for cars to enter. Has 2 doors in front for cars to enter. Lithographed green with bright red roof. Shipping weight 14 pounds ... $4.98

48 C 1041

Garage and Two Cars 89¢

Handsome lithographed sheet metal garage with 2 doors in front for cars to enter and exit. Has 2 doors and back window, sliding as shown. Has 2 doors for cars to enter and exit. In rear swinging door for cars to enter. Has 2 doors in front for cars to enter and exit. Lithographed green with bright red roof. Shipping weight 14 pounds ... $4.98

48 C 4028 ... Postage, per set, 10¢ extra ... 89¢

Locomotive with Powerful Friction Motor—Climbs Up Hills

Locomotive, painted CLIMBS STEEP HILLS ... Has illustrated tender. Length of locomotive and tender, 13½ inches.

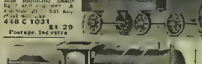
48 C 1031 ... $1.29 ... Postage, 9¢ extra

25¢

Freetown, per set, 10¢ extra ... 25¢

Postage 9¢ extra

98¢



Friction Engine and Tender—Runs Far

Special friction. Electric searchlight. Lithographed in red and yellow with green and gilt trimmings. Length, 17 inches. Headlight, over all, 10½ inches.

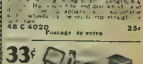
$1.29 ... Postage 9¢ extra

Yellow Cab

Red Yellow ... Has 4 wheels that turn. Strong rubber tires. Lithographed in bright colors. Length, over all, 10½ inches.

48 C 1052 ... Postage 9¢ extra ... 98¢

33¢



The chauffeur looks proudly through the polished windshield of this high-powered touring car. It has a horn that really honks. Length, over all, 10½ inches.

48 C 4023 ... Postage 9¢ extra ... 33¢

Officially Approved Toy Fords

Mr. Henry Ford grants the use of his name for these Sedan and Touring Car

45¢ 42¢

Suitable to Order a Garage

A Beauty 42¢

Size 8½ inches long, 3½ inches high. This school and fire department patrol truck is one of the best black trucks. Has rubber tires, steel axles, and steel bumper. Lithographed in bright colors. Every boy will be interested in it, especially as there wheels may be set to run straight or in circles. Will make a splendid Christmas present.

48 C 4024 ... Postage 9¢ extra ... 42¢

Extra! Big Prize Fight 49¢

Lady and Tramp, two fighters, in a ring. Punch and they knock down and out. Lithographed in bright colors. Height of ring, 6 inches. Length of base, 8 inches.

48 C 4013 ... Postage, 9¢ extra ... 49¢

A Toy Circus 98¢

Lots of fun and excitement for the kiddies. Set consists of 1 ring, 1 trapeze, 1 tightrope, 1 clown, 1 lion, 1 tiger, 1 elephant, 1 camel, 1 horse, 1 monkey, 1 bear, 1 seal, 1 ostrich, 1 zebra, 1 giraffe, 1 kangaroo, 1 cage on wheels, 1 cage on ground, 1 cage with 2 animals, 1 cage with 3 animals, 1 cage with 4 animals, 1 cage with 5 animals, 1 cage with 6 animals, 1 cage with 7 animals, 1 cage with 8 animals, 1 cage with 9 animals, 1 cage with 10 animals, 1 cage with 11 animals, 1 cage with 12 animals, 1 cage with 13 animals, 1 cage with 14 animals, 1 cage with 15 animals, 1 cage with 16 animals, 1 cage with 17 animals, 1 cage with 18 animals, 1 cage with 19 animals, 1 cage with 20 animals, 1 cage with 21 animals, 1 cage with 22 animals, 1 cage with 23 animals, 1 cage with 24 animals, 1 cage with 25 animals, 1 cage with 26 animals, 1 cage with 27 animals, 1 cage with 28 animals, 1 cage with 29 animals, 1 cage with 30 animals, 1 cage with 31 animals, 1 cage with 32 animals, 1 cage with 33 animals, 1 cage with 34 animals, 1 cage with 35 animals, 1 cage with 36 animals, 1 cage with 37 animals, 1 cage with 38 animals, 1 cage with 39 animals, 1 cage with 40 animals, 1 cage with 41 animals, 1 cage with 42 animals, 1 cage with 43 animals, 1 cage with 44 animals, 1 cage with 45 animals, 1 cage with 46 animals, 1 cage with 47 animals, 1 cage with 48 animals, 1 cage with 49 animals, 1 cage with 50 animals, 1 cage with 51 animals, 1 cage with 52 animals, 1 cage with 53 animals, 1 cage with 54 animals, 1 cage with 55 animals, 1 cage with 56 animals, 1 cage with 57 animals, 1 cage with 58 animals, 1 cage with 59 animals, 1 cage with 60 animals, 1 cage with 61 animals, 1 cage with 62 animals, 1 cage with 63 animals, 1 cage with 64 animals, 1 cage with 65 animals, 1 cage with 66 animals, 1 cage with 67 animals, 1 cage with 68 animals, 1 cage with 69 animals, 1 cage with 70 animals, 1 cage with 71 animals, 1 cage with 72 animals, 1 cage with 73 animals, 1 cage with 74 animals, 1 cage with 75 animals, 1 cage with 76 animals, 1 cage with 77 animals, 1 cage with 78 animals, 1 cage with 79 animals, 1 cage with 80 animals, 1 cage with 81 animals, 1 cage with 82 animals, 1 cage with 83 animals, 1 cage with 84 animals, 1 cage with 85 animals, 1 cage with 86 animals, 1 cage with 87 animals, 1 cage with 88 animals, 1 cage with 89 animals, 1 cage with 90 animals, 1 cage with 91 animals, 1 cage with 92 animals, 1 cage with 93 animals, 1 cage with 94 animals, 1 cage with 95 animals, 1 cage with 96 animals, 1 cage with 97 animals, 1 cage with 98 animals, 1 cage with 99 animals, 1 cage with 100 animals.

48 C 3997 98¢ ... Postage 9¢ extra

Like a Real Ford Sedan

Real Ford sedan with 4 doors and 6 windows. Has rubber tires and steel axles. Lithographed in bright colors. Length over all, 9 inches. Height of body, 3½ inches. Width of body, 3½ inches. Height of steering wheel, 2½ inches. Length of wheelbase, 5½ inches. Height of wheels, 2½ inches. Width of wheels, 1½ inches. Length of body, 5½ inches. Width of body, 3½ inches. Height of body, 3½ inches. Length of wheelbase, 5½ inches. Height of wheels, 2½ inches. Width of wheels, 1½ inches.

48 C 4027 ... Postage 9¢ extra ... 45¢

Fire Ford Car Chemical Above

48 C 4021 ... Postage 9¢ extra ... 42¢

Mechanical Steamer 98¢

Has a real steam engine. Has a boiler, a smokestack, a whistle, a safety valve, a steering wheel, a throttle, a reverse lever, a headlight, a bell, a cowcatcher, a cab, a coal car, a water tank, a sand dome, a sand box, a sand pipe, a sand valve, a sand lever, a sand pipe, a sand valve, a sand lever, a sand pipe, a sand valve, a sand lever

Gifts for Christmas

Order Early

$5.98

Have Movies In Your Own Home Our Movie Machines

$8.98

$89¢

All Wood Weather Indicators

49 C 641 ... Postage, 10c extra

89c

49 C 640 ... Postage, 10c extra

57c

448 C 1343 ... $5.98

Postage, 20c extra

448 C 1342 ... $5.98

Moving Picture Films

Non-Inflammable Films

$1.00

79¢

43¢

1 Piece

1 Little Car & Parts Set

Combination Electric Magic Lantern with Mirror

$4.29

Electric Magic Lantern

$3.67

48 C 1376 ... $4.29

48 C 1330 ... 59¢

Postage, 8c extra

Magic Lantern No Electricity Required

Slightly Smaller Magic Lantern

48 C 1332 ... $2.95

Postage, 17c extra

Magic Lantern Slides

48 C 1331 ... 35¢

48 C 1336 ... 35¢

Postage per set, 8c extra

48 C 1338 ... 35¢

Postage per dozen, 18c extra

Child's Embroidery Set

9 Doilies and 15 skeins of No. 1 Thread

42¢

Thrifty Tom's Jigger Bank

48¢

48 C 3850

93¢

Teach Them to Save

Combination Lock Safe

89¢

Safety Steel Bank with 2 Keys

48 C 3861 ... 89¢

48 C 3862 ... 93¢

Postage, 10c extra

The Wonder Balloon Set

48 C 1353 ... 21¢

Postage, 4c extra

Dolly Dee

21¢

Jump Ropes and Jackstone Set

48 C 2681 ... 21¢

Postage, 4c extra

48 C 2682—Per set, 29¢

Postage, per set, 8c extra

Large 11 Inch Sand Crane

98¢

Postage, 18c extra

Dump Truck 98¢

48 C 1205 ... 98¢

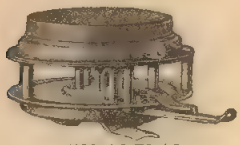
Structo Steam Shovel

48 C 1200 ... 98¢

Postage, 20c extra

REELS

AUTOMATIC
MARTIN'S IMPROVED



NOS. 1-G TO 4-G

Aluminum frame. Satin finish. Working parts of nickel silver and hard brass. Automatic adjustable tension lock brake. Tungsten steel guide through which the line passes.

No.	Yards	Wt. each	Each
1-G	25	11 ozs.	$5.50
2-G	30	11 ozs.	6.00
3-G	50	12 ozs.	6.50
4-G	75	13 ozs.	7.00

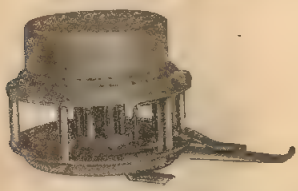
MARTIN'S

NOS. 1 TO 4

Aluminum frame. Satin finish. Working parts of nickel silver and hard brass. Automatic adjustable tension lock brake Without tungsten steel guide

No.	Yards	Wt. each	Each
1	25	11 ozs.	$4.50
2	30	11 ozs.	5.00
3	50	12 ozs.	5.50
4	75	13 ozs.	6.00

MARTIN'S TROLLING



Aluminum frame. Especially made for heavy fishing or for use with an extra long line. Special device which allows line spool to run freely as the troller rows. Capacity of 250 feet of light trolling line. Equipped with tungsten steel line protector.

	Feet	Wt. each	Each
Martin's Trolling	250	15 ozs.	$10.00

Above, one in a box

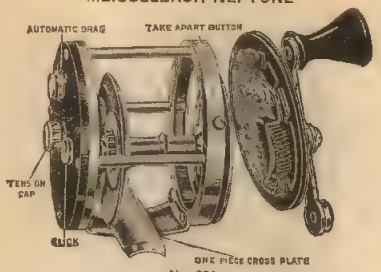
SURF CASTING
MEISSELBACH FREE SPOOL

No. 900

Hard rubber and nickel silver frame. Double multiplying. Spool with steel pointed pivot axles. Has automatic drag and take-apart features Holds 300 yards of No. 9 Cuttyhunk line

No.	Yards	Wt. each	Each
900	300	20 ozs.	$36.00

MEISSELBACH NEPTUNE



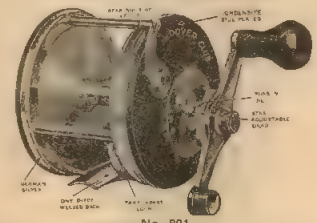
No. 901

Free spool. Nickel silver frame, with hard rubber discs. Triple multiplying. Spool has steel pointed pivot axles with adjustable phosphor bronze bearings and take-apart features. Holds 200 yards No. 9 Cuttyhunk line.

No.	Yards	Wt. each	Each
901	200	12 ozs.	$22.00

Above, one in a box.

DOVER CLUB—FREE SPOOL



No. 801

Made of German silver with condensite end plates. Fitted with a free spool throw-off at the top where it is most convenient. Main gear of hard brass. Pinion gear of brass. Click wheel of hardened steel. Double balanced handles. Hard rubber grip. Easily taken apart.

No.	Yards	Wt. each	Each
801	250	20 ozs.	$20.00

Above, one in a box.

REELS

SINGLE ACTION

SIMPLICITY

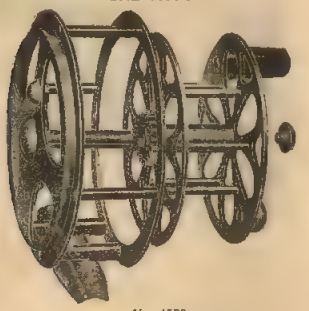
No. 2-A

Cold rolled steel. Polished and nickel plated. ⅝-inch pillars. Single action with adjustable back sliding click.

No.	Yards	Disc	Wt. each	Each
2-A	50	2½ in.	2½ ozs.	$0.66

Twelve in a box.

SAL-TROUT



No. 1555

Gun metal finish. Perforated back plate and removable spool. Steel axle. Adjustable back sliding tempered steel click. Hard rubber handle. Single action.

No.	Yards	Disc	Wt. each	Each
1555	100	3½ in.	8 ozs.	$5.60

One in a box

EXPERT

No. 22-N

Heavy nickel silver, medium weight. Taken apart by removing one screw. Patent flexible guard which, with slight pressure of thumb will act as a drag. Back sliding steel click. Ebony handle. Very easy running

No.	Yards	Wt. each	Each
22-N	200	8 ozs.	$4.20

Six in a box

SOLITE

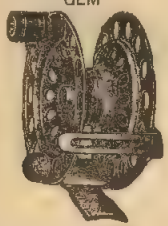
NOS. 550-B TO 600-B

The entire construction combines lightness and durability. Has removable spool and hardened steel spindle. Large drum, thus allowing the line to be reeled rapidly and perforations allow rapid drying. Gun metal finish

No.	Yards	Wt each	Each
550-B	60	2½ ozs.	$2.00
580-B	80	3 ozs.	2.20
600-B	100	3½ ozs.	2.50

One in a box.

GEM



No. 20-GM

Has double line guide, and can be used above hand for bait fishing or below hand for fly fishing. Takes the line as quickly as a double multiplying reel. In gun metal finish.

No.	Yards	Wt. each	Each
20-GM	80	2 ozs.	$1.10

Six in a box.

AUTOMATIC

PFLUEGER-SUPEREX

No. 775

Satin gun metal finish. Made of nickalum, is light in weight and non-corrosive. Has swinging loop line guide. Main spring release device and brake release make a free running spool.

No.	Yards	Wt each	Each
775	50	9 ozs.	$0.60

One in a box.

FISHING REELS

MEISSELBACH'S

Frame and reel seat are of strong, rigid construction. The click wheel, click snapper, cup and spring are made of hardened and tempered steel; spool revolves on a phosphor bronze spindle.

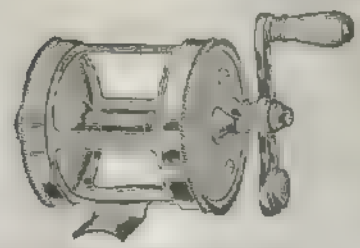
Nickel silver trimmings; ivoryoid handle.

Per Doz

No. 527M—Capacity, 35 yds; width, 3/4 ins; diam, 2 1/8 ins $132 00

One in cardboard box; wt each 3 1/4 ozs.

TRIPART



Quadruple Multiplying. Easily taken apart by simply unscrewing retaining ring and lifting out parts through the end on which handle is attached.

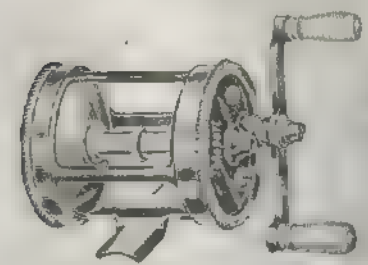
Nickel plated satin finish head and rear plates, nickel silver spool. Capacity 80 to 100 yards, diameter spool 1 3/4 in.; length spool 1 3/8 in.

Per Doz

No. 5-80—Wt each 6 1/4 ozs $158 40

No. 5-81—With free spool; mechanism is stationary when casting, except revolving spool; wt each 7 ozs. 217 50

One in cardboard box



TRIPART

Quadruple multiplying. Easily taken apart by unscrewing retaining ring and lifting out parts through the end on which handle is attached. Nickel plated satin finish head and rear plates; nickel silver spool. Capacity 80 to 100 yards; diameter spool 1 3/4 inches; length spool 1 3/8 inches. Per Doz

No. 5-82—With double handles $168 20

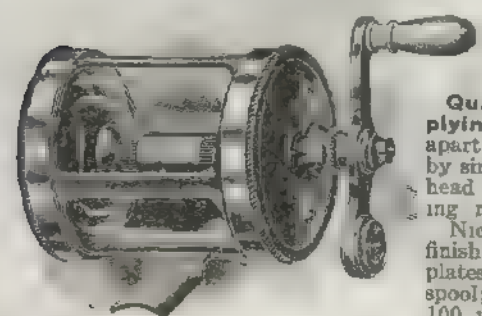
One in cardboard box.

TAKAPART

Quadruple multiplying. Easily taken apart by unscrewing head and tail; retaining rings; nickel plated satin finish head and rear plates; nickel silver spool; capacity 80 to 100 yards; diameter 1 3/4 inches; length 1 3/8 inches. Per Doz

No. 4-82—With double handles $198 00

One in cardboard box.



TAKAPART

Quadruple Multiplying. Easily taken apart without tools, by simply unscrewing head and tail retaining rings.

Nickel plated satin finish head and rear plates; nickel silver spool; capacity 80 to 100 yards; diameter spool 1 3/4 inches; length spool 1 3/8 inches. Per Doz

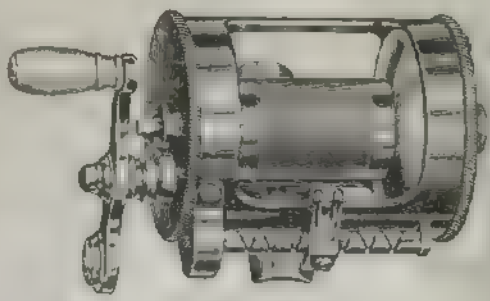
No. 4-80—Wt each 7 3/4 ozs $186 00

No. 4-81—With free spool. Mechanism is stationary when casting, except revolving spool; wt each 8 ozs 237 00

One in cardboard box.

FISHING REELS

MEISSELBACH'S OKEH, Level Winding. Quadruple Multiplying.



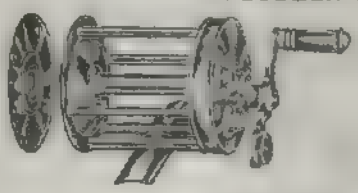
Seamless brass housing, nickel plate and highly polished white metal. Cork arbor, phosphor bronze bearings; nickel silver spool flanges and double threaded shaft; which will not tarnish or corrode; has regular takapart feature, coming apart by unscrewing the ring at either end. Capacity 100 yards; diameter spool 1 3/8 inches; length spool 1 1/2 inches. Each

No. OK620—Single handle; free spool level winding $31 50

No. OK625—Double handle; level winding 25 20

One in chamois bag in cardboard box; wt each 1/2 lb.

PFLUEGER WORTH



Good quality nickel silver metal, satin finished by hand. Fancy oil cups. Adjustable front sliding phosphor bronze click and drag steel pivots, steel pinion, balanced crank with Pyralin ivory handle.

With Agate Jewels.

Nos.	1823J	1824J
Old Nos.	1WJ	2WJ
Capacity, yds.	60	80
Length pillars ins	1 7/8	1 7/8
Diam., disks, ins	2	2 1/4
Wt each, ozs	7	8
Per Doz.	+$240 00	+270 00

One in cardboard box.

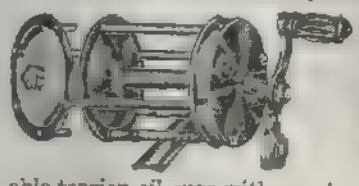
PFLUEGER SUPREME, Level Winding Quadruple Multiplying, Anti-Back-Lash Casting.

Nickalum, satin finish tempered phosphor bronze gears with generated spiral teeth; tempered steel pinions and pivots; phosphor bronze bearings; Pyralin ivory handles; 1 7/8 in pillar; 2 1/4 in disks. Each

No. 1573—Capacity 75 to 160 yds $54 75

One in Chamois leather bag packed in cardboard box; wt each 1/2 lb.

PFLUEGER-REDIFOR, Anti-Back-Lash Casting. Quadruple, With Single Handle Crank.



Generated spiral tooth gears; bronze bushed for bearings; adjustable front, sliding Phosphor bronze gooseneck arm; adjustable front sliding drag; adjustable tension oil cups with genuine agate jewels; steel pinion; steel pivots, highly polished; single handle crank, balanced; Pyralin Ivory handle.

With Satin Nickel Silver, Jeweled. Per Doz

No. 1433J—Capacity 60 to 100 yds according to size of line used; 1 7/8 in. pillar, 2 in. plate $375 00

One in cardboard box; wt each 7 1/2 ozs.

+F. O. B. Ohio Factory Only.

FISHING REELS

WINONA

The spool is moulded in on piece, of Redmanol, a glossy black material similar to hard rubber, but much stronger. It runs on a tool steel shaft. The guard is of bronze, highly nickel plated. Other parts are aluminum; Ivoride handles, securely fastened; adjustable drag and regular click, can be taken apart by removing one screw. Capacity 100 yds. of 15 lb. test silk line; diameter spool 5 inches.

	Each
No. 105—Without guard	$10 95
No. 108—With guard	16 50

One in cardboard box; wt each 6 ozs.

MODERN

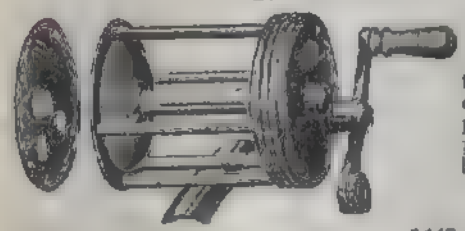
Level Winding.

Quadruple multiplying, indestructible click. Equipped with automatic guide for winding line evenly. Brass nickel plated; double white ivoroid handles.

	Each
No. 100—Capacity 100 yds; length pillar 2½ ins; diam disk 1¾ ins	$16 50

One in cardboard box; wt each 8 ozs

ENTERPRISE

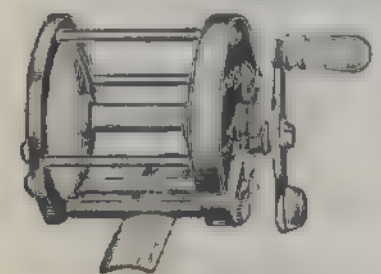


Quadruple multiplying, adjustable click and drag; steel pivots; brass nickel plated; white rubberette handle.

Nos.	**1443**	**1444**
Capacity, yds	60	80
Pillar, ins	2⅜	2⅛
Diam disk, ins	1¾	1¾
Wt each, ozs	8	10
Per Doz	$66 00	70 50

One in cardboard box.

KING, Free Spool.



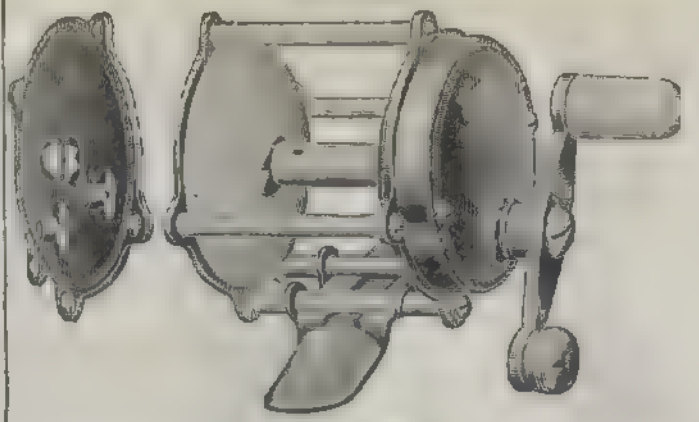
Quadruple multiplying. Rubber plates, with metal safety bands on edges; steel pivots and pinion. Metal bridge for steel cog post. Adjustable click and drag; free spool; nickel plated, with fancy white celluloid handle.

	Per Doz
No. 1080—Capacity 60 yards; diam of plate 2⅛ ins; length of spool 1⅝ ins	$135 00

One in cardboard box; wt each 8 ozs.

FISHING REELS

KEYSTONE



Double Multiplying.

Adjustable back sliding click and drag; fancy oxidized on back plate; balanced crank; polished nickel; white rubberette handle

Nos.	**1142**	**1143**
(Old Nos.)	562	563
Capacity, yds	40	60
Pillar, ins	1⅜	1⅜
Diam disk, ins	2	2¼
Wt each, ozs	8	10
Per Doz	$39 00	42 00

One in cardboard box.

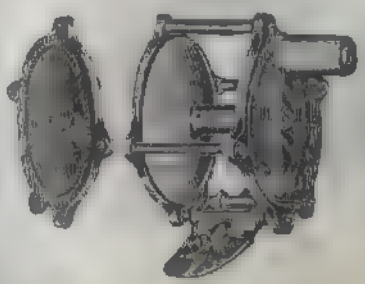
MASCOT

Quadruple multiplying. Round plates, jeweled oil cups over bearings; steel axle; steel pivots and steel pinions, adjustable click and drag; brass, nickel plated, with fancy white handle.

Nos.	**960**	**980**
Capacity, yds	60	80
Length spool, ins	1⅜	1⅞
Diam plate, ins	2	2¼
Wt each, ozs	7½	9
Per Doz	$111 00	114 00

One in cardboard box.

SEMINOLE



Single Action.

Adjustable back sliding click. Flush crank, balanced; polished nickel; white rubberette handle.

Nos.	**82**	**83**	**84**
Capacity, yds	40	60	80
Pillar, ins	1	1	1
Diam disk, ins	2	2¼	2½
Wt each, ozs	7	7½	8
Per Doz	$27 00	28 50	31 50

One in cardboard box.

MEN'S FELT HATS

STAPLE WOOL FELT HATS

Asstd. ½ doz. in box in the following size combinations. SPECIFY SIZE ASST WANTED.
Asst. No 1—One size 6¾, one 6⅞, two 7, one 7⅛ and one 7¼
Asst No 2—One 6⅞, one 7, two 7¼, one 7⅛ and one 7½

"Sammy"

5½ in. crown, 3 in stitched flat brim, 6 ligne band worn dented or alpine, leather sweat ½ doz. in box

5A2152—BLACK, ... } Doz
5A2153—DRAB } $13.50

"Dakota"

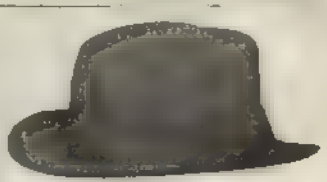
6 to crown 3½ in curled roll brim, 6 ligne band worn dented or alpine imitation leather sweat ½ doz in box

5A1128 BLACK } Doz
5A1129—BEAVER } $14.50

Genuine Leather Sweat

5½ in crown, 2¾ in. welt brim, 27 ligne band, genuine leather sweat, ½ doz. in box

5A1113—GRAY mixed..... } Doz
5A1114—TAN ..... } $18.00



"Trooper"

5½ in crown, 2½ in flat set brim, 25 ligne silk band, 4 ligne binding. ½ doz. in box.

5A2154—BLACK ..... } Doz
5A2155—BROWN ..... } $22.50

"Texas"

6½ in. crown 3½ in flat brim, 6 ligne band imitation leather sweat. ½ doz in box.

5A1132—BLACK } Doz
5A1133 BEAVER } $14.50

"Big Four"

7 in. crown, 4 in brim, 6 ligne band, worn dented or alpine, full leather sweat. ½ doz in box

5A1130—BLACK } Doz
5A1131 BEAVER } $18.00

Contrasting Band

New Spring shape 6¾ in crown 2½ in. welt brim 21 ligne silk band. ½ doz in box

5A2184—TAN, brown band
5A2185—PEARL GRAY, black band
Doz. $24.00

Very Soft Fur Felt

5½ in crown 2½ in welt brim, 27 ligne silk band, genuine leather sweat ½ doz. in box

5A1115—PEARL black band
5A1116—OAK TAN brown band
Doz. $33.00

"CARLSBAD" COWBOY STYLE WOOL FELT HATS

Asstd ½ doz. in box in the following size combinations.
Asst. No. 1—One size 6¾, one 6⅞, two 7 one 7¼ one 7½
Asst. No. 2—One size 6¾, one 7 two 7⅛ one 7¼ one 7½
SPECIFY SIZE ASST WANTED

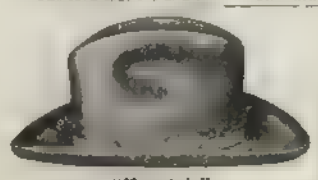
"Carlsbad"

7 in. crown, 4 in brim 13 ligne band, raw edge, fur sweat, ½ doz in box

5A2194 BLACK } Doz
5A2195 BROWN } $19.50
5A2196 BEAVER }

STAPLE FUR FELT HATS

All with leather sweats.
Asst. No. 1—One each 6¾, 6⅞ and 7
Asstd sizes ½ doz in box in the following size combinations.
Asst No. 2—One each 6¾ 7 and 7⅛,
Asst No. 3 One each 7 7⅛ and 7¼
SPECIFY SIZE ASST WANTED
Asst No. 4 One each 7¼ 7½ and 7¾



"Mountain"

6¾ in crown 3½ in curled brim, 6 ligne silk band ½ doz in box.

5A1130—BLACK..... } Doz
5A1131—BEAVER } $24.00

"Congress"

6 in. crown, 3 in curled brim, 25 ligne silk band ½ doz in box.

5A1190—BLACK } Doz
5A1191—BROWN } $27.00

"San An Jr."

6 in. crossed crown 3 in. brim, 13 ligne silk band, 6 ligne bind ing ½ doz in box

5A1186 BLACK } Doz.
5A1187—BEAVER } $27.00
5A1188 BROWN }

"San An"

6¾ in. crown, 3½ in. brim, 14 ligne silk band. ½ doz in box.

5A1180—BLACK } Doz.
5A1181 BROWN } $27.00
5A1182 BEAVER }

"Carlsbad"

7 in. crown, 4 in. brim, 12 ligne silk band, raw edge. ½ doz. in box.

5A1203—BLACK..... } Doz.
5A1204—BROWN } $30.00
5A1785—BEAVER..... }

Velour "Carlsbad"

Good quality fur felt, 7 in crown 4 in raw edge brim, 12 ligne silk band, leather sweat, ½ doz. in box.

5A1117—BROWN } Doz
5A1118—BEAVER } $54.00

OUR TERMS

2% 10 DAYS

1% 30 Days

Net 60 Days

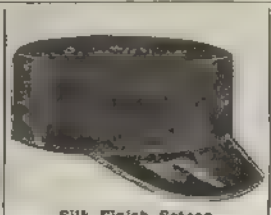
ENGINEERS' and SHOP CAPS—Union Made

Asstd. Sizes 6¼ to 7½. Unequalized in all caps THESE CAPS ARE WASHABLE

Square Crown

5A854—Square crown, durable black sateen, 4 in enameled visor lining Asstd. 2 doz. in box.

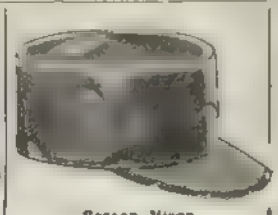
Doz $1.00



Silk Finish Sateen

5A852—Square crown, high luster silk finish black sateen, glazed visor black lining, Asstd. 3 doz in box.

Doz $1.25



Screen Visor

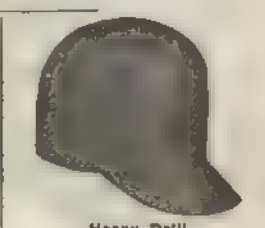
5A865—Square crown high luster silk finish black sateen Ventilating screen visor full lining to cut forehead sweat

1 doz. in box ..... Doz $2.25

Stifel Denim

5A866—6-4 full round crown. Stiffel stripe blue denim indigo dye, stitched visor, cloth sweat Asstd. sizes 1 doz in box

Doz $2.75



Heavy Drill

Large 6-4 round crown, heavy drill. Soft stitched visor, cloth sweat. Pocket crusher style. 1 doz in box

5A859—Khaki drill.... } Doz
5A863—White drill.. } $2.75

MEN'S CAPS and HATS

All patterns are controlled by us—which guarantees uniformity throughout the season. "Preferred" die in each cap and label on every box

MEN'S SPRING WEIGHT ALL WOOL CAPS

Finest selection of patterns in all wool suitings. We call your attention to the medium and small shapes which are now in vogue—also 1 and 2-color and changeable silk linings which help promote sales. All have unbreakable visors. **Asstd. sizes 6¾ to 7⅜ to the box.**

Checked Wool Suitings

5A2020—1 pc. plaited crown, back band, medium size BROWN and GRAY checks, colored crown lining, imitation leather all around sweat, snap button front. Asstd. checks. 1 doz. in box.
Doz **$4.25**

CHALLENGE ASSORTMENT
THREE FAST SELLING STYLES

Big variety of all wool patterns in plain, stitched and band back 1 pc. golf shapes. All with silk serge crown linings. An assortment you will find hard to beat. Display it prominently

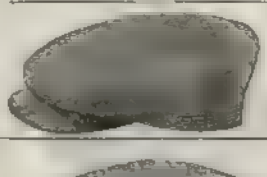
5A2100—3 styles, 1 pc. golf plain, stitched and band backs, big variety of all wool suitings in med. and dark colors, stripes and overplaids, with a few fine grade tweeds, no 2 doz. alike, silk serge lining, leather forehead sweat, canvas visors. Asstd. sizes 6¾ to 7⅜. Assts. 1 doz. in box. NO LESS THAN 2 DOZ. SOLD
Doz **$7.95**

8-4 English Shape

5A2102—8-4 crown, button top, asstd. TAN and GRAY mixed suitings in pin check effects, solid color sateen top lining with contrasting color serge sides, leather forehead sweat, snap button front. Asstd. patterns. ½ doz. in box.
Doz **$8.50**

Adjustable Band Front

5A2101—1 pc. crown plain back, asstd. TAN and BROWN striped suitings, colored sateen lining, leather forehead sweat. Adjustable band front with buckle, can be adjusted to any head size from 6¾ to 7⅜. Asstd. patterns, ½ doz. in box.
Doz **$8.50**



Stitched Back

5A2103—1 pc. 8 point crown, stitched back, asstd. TAN and GRAY mixed suitings with contrasting overplaids, mercerized colored twill, lining, leather forehead sweat. Asstd. patterns, ½ doz. in box.
Doz **$8.50**

Band and Ridge Back

5A2104—1 pc. crown with back band and ridge effect, asstd. TAN and GRAY, fancy self plaids with large 2 color overplaids, asstd. high color silk satin linings, all around genuine leather sweat, stitched visor. Asstd. patterns, ½ doz. in box.
Doz **$10.50**

New 8-4 Shape

5A2105—8-4 crown, button top, small peak, latest medium large shape, fine grade POWDER BLUE and GRAY suitings with 2-color overplaids, asstd. colored full silk satin lining, fancy leather forehead sweat. Asstd. patterns, ½ doz. in box.
Doz **$10.50**

Patent Adjustable Front

5A2107—1 pc. golf with plain back, fine grade TAN and GRAY mixed suitings with attractive overplaids, 2 color silk serge linings, leather forehead sweat. Adjustable sizes from 6¾ to 7⅜, can be adjusted to any head size. Asstd. ½ doz. in box.
Doz **$11.50**

Student Shape

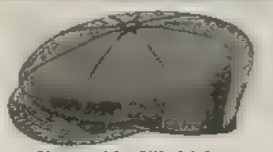
5A2108—1 pc. crown, 3 welt stitched back, newest college shape in BROWN and LT. GRAY suitings with contrasting back plaids, asstd. colored silk satin linings, fancy grained leather forehead sweat, stitched visor. Asstd. patterns, ½ doz. in box.
Doz **$11.50**

Band and Pleats

5A2109—1 pc. golf with flexible narrow peak, band and side pleats, asstd. POWDER BLUE and GRAY mixture suitings with 2 color large overplaids, asstd. high color silk satin linings, good leather forehead sweat, snap button front. Asstd. ½ doz. in box.
Doz **$12.00**

New Golf Shape

5A2110—1 pc. 8 point crown, plain back, asstd. GRAY and TAN diagonal weave grounds with 2 color contrasting overplaids, asstd. high color silk satin linings, selected leather forehead sweat, medium shape visor. A snappy model. Asstd. patterns, ½ doz. in box.
Doz **$13.50**

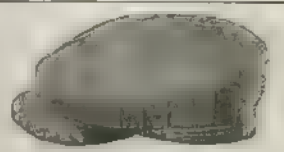


Changeable Silk Lining

5A2111—New 8-4 crown with large button top, asstd. POWDER BLUE and TAN mixed tweed suitings in pin check effects with 2 color contrasting overplaids, asstd. high color silk satin linings, selected leather forehead sweat, self fast color visor. Very attractive. Asstd. patterns, ½ doz. in box.
Doz **$15.00**

2 Color Pleated Satin Lining

5A2117—1 pc. 8 point crown, plain back, asstd. LONDON LAVENDER and LT. GRAY fancy worsted suitings in fancy coin spotting effects, 2 color pleated silk satin linings, fine leather forehead sweat, snap button front. Very showy style. Asstd. patterns, ½ doz. in box.
Doz **$16.50**



Ridge Golf

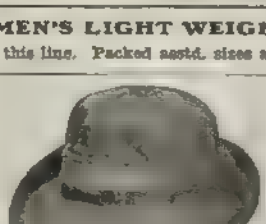
5A2112—1 pc. crown plain back, asstd. POWDER BLUE and TAN high grade suitings in pin check effects with 2 color overplaids, fancy ridge sides, mercerized color silk satin linings, all around grained leather sweat, snap button front. Asstd. ½ doz. in box.
Doz **$17.50**

MEN'S LIGHT WEIGHT TOURIST SHAPE HATS

The pick of this line. Packed asstd. sizes and neatly boxed. **Asstd. sizes 6¾ to 7⅜**

Khaki

5A2058—8-4 round crown, medium wt. khaki, stitched brim, self band, taped seams, canvas inner band, imit. leather sweat. Asstd. ½ doz. in box.
Doz **$4.40**



Screen Front

5A2009—MED. BROWN, khaki twill, 6-4 taped crown, self band, 1 piece metal screen ventilated front, flexible stitched brim, cloth sweat. ½ doz. in box.
Doz **$4.40**

Summer Cloths

5A2011—Asstd. sand, gray and black & white fine checks, taped crown, self band, stitched brim, cloth sweat. ½ doz. in box.
Doz **$4.40**

Sport Hat

5A3906—Fine grade white duck with green undercloth, 8-4 crown with taped seams, white duck sweat, self band. A good all-around hat for golf, tennis, yachting, etc. ½ doz. in box.
Doz **$7.50**

MEN'S FANCY HANDKERCHIEFS

Printed Border

2D9092—18" x 18" lawn; 4 style combination fast line and 4 color printed border designs. ½ in. hemstitched border. Asstd. colors. 1 doz. in pkg. ... Doz **78c**

Two Color Woven Cords

America's Greatest Value

In a woven cord handkerchief for men. When you get it in your hands you'll wonder how it can be sold at such an amazingly low price.

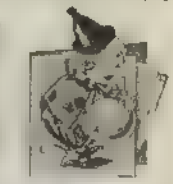
2D9100—17x17 soft finish lawn, fast color cord fully woven cord blue tone of blue & gold on white and blue & French tone on white tone with white woven cord lengthwise stripes. Set up in the popular Breast hem. Asstd. 1 doz. in pkg. Doz **78c**

MEN'S "WONDER" 16c HANDKERCHIEF ASST.

2D9183 Assts. styles as follows: 4 doz. satin stripe white lawn, good quality, ½ in. hemstitched border, asstd. patterns. 4 " novelty 2 color woven cord and stripe, ½ in. hemstitched edge, assts. patterns and colors. 4 doz. plain white, 72x72 count, ½ in. hemstitched border, soft finish. Each doz. ribbon tied. Assts. 12 doz. in box Doz **79c**

CHILDREN'S HANDKERCHIEFS

2D8508 "Kiddies Special" white lawn, narrow dyed colored edge, assorted woven borders, corner and center designs. 2 handkerchiefs in fancy gift box. Asstd. 2 doz. boxes in carton. Doz boxes **78c**



2D8529 12 styles. Fancy colored lawn Kerchiefs with Mother Hubbard, etc., designs printed in assorted colors. Fine handkerchief in gift box. Assts. 3 doz. in box. Doz **87½c**

Satin Stripes

2D9083 9x13, white satin stripe, woven cord on good quality white lawn, 3 designs. Asstd. 1 doz. in bdl. Doz **78c**

Satin Stripes

2D8182 4 styles. 19x19, satin stripes, fine count sheer lawn, long staple yarn, narrow hemstitched edge, asstd. patterns. 1 doz. in box. Doz **$1.95**

Satin Stripes—Corded

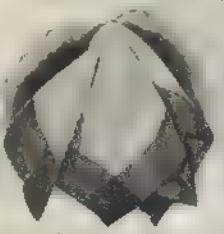
2D9101 16½ x 16½ finest quality lawn, 4 color satin stripe and cluster corded white lawn, high luster finish. Complete line of 4 narrow stripes and cords in hemstitched center, 4 styles. Highest type, durable as linen. Doz. Asstd. 1 doz. in box **$2.10**

French Cords

2D9102—17 x 17 4-color woven French cords and white hemstitch. Latest set box of 3 designs in 4 different color combinations, gray & red, tan & orange and blue & green. The richness and sparkle of higher priced cordlets. Asstd. 1 doz. in box Doz **$2.00**

Permanent Luster

2D9105 16 x16 genuine luster finish cloth with wide hem, a wonderful value for economy or safe dish towels. Has the weight of a linen handkerchief. 16 in. hemstitched border. Stripe colors, purple and luster white. Asstd. 1 doz. in box. Doz **$2.15**

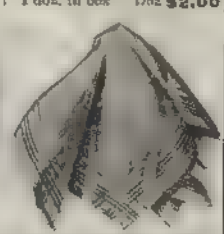


Assorted Colors

2D8099 Extra size, 20x20 fine white sheer woven border, like a wonderful linen grown with white dots with white deep hem contrasting colors, very fine, neat and serviceable. Asstd. 1 doz. in box. Doz **$2.10**

Colored Borders

2D9098 17 x17½ linen finish lawn, color floral woven border, white center with 3 in. triple clip cord stripe and 2-color border stripes, ½ in. hemstitched border to match, blue and brown. Doz. Asstd. 1 doz. in box **$2.15**



2D9108—17 x17½ jacquard silk & Sea Island dress handkerchief, 4 styles, assorted figured centers with 3 tone woven bar and color pin stripe borders on blue, lavender and tan grounds, ½ in. hemstitched border. Doz. Asstd. 1 doz. in box. **$4.25**

2D9742 "The Baby Handkerchief" novel linens, 16x16, lawn, fancy trim, border figures all over for neatness with children's rhymes, simple stories, Queen of Hearts, etc. Asstd. stories. 1 doz. in pkg Doz **45c**

2D9135 Extra cut outs, easel backs, cupid at top, rose or banana plants with etc., each containing white lawn hemstitched handkerchief with 2-tone floss embroidered juvenile figures. Asstd. 1 doz. in pkg. Doz **$1.90**

TURKEY RED and INDIGO BLUE

TURKEY RED HANDKERCHIEFS

Turkey Red

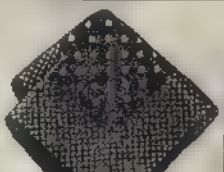
New "Red Jacket"—Bright, attractive dyed, new wide border patterns. Guaranteed fast color. Asstd. 1 doz. in pkg.

2D9430—Trade 14 in., actual 17 x17 ... Doz **48c**

TUSIDE—Double process, both sides alike.

2D9403—Trade 21 in., actual 18½ x21 Doz **78c**

2D9433— " 24 " " 20 x20 " **1.08**



Turkey Red

New "Liberty" Red—Fast dyed, standard count, up-to-date wide border designs. Guaranteed fast color. Asstd. 1 doz. in pkg.

2D8905—Trade 16 in., actual 17½x17¾ ... Doz **$0.78**

TUSIDE—Double process, both sides alike.

2D8906—Trade 21 in., actual 21 x21 Doz **$1.08**

2D8907— " 24 " " 23 x24 " **1.25**

Turkey Red

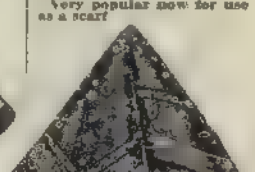
"Ironweave"—Specially constructed cloth, insuring extra wearing qualities, guaranteed fast color.

1 doz. in pkg.

2D8410—Trade 21 in., actual 20½ x21 Doz **$1.08**

TURKEY RED BANDANNA

Very popular now for use as a scarf



2D8813 31 in. trade, 27x27, 30x30, "Turside," double pure cotton fast dyed, new up-to-date novel, black & gold pattern on red ground. 1 doz. in pkg. Doz **$2.40**

INDIGO BLUE HANDKERCHIEFS

Indigo Blue

New "Blue Jacket"—Pure indigo blue dye, absolutely fast. Asstd. patterns. 1 doz. in pkg.

2D9442—Trade 18 in., actual 17¾x17¾ ..... Doz **48c**

TUSIDE—Double process, both sides alike.

2D8406—Trade 21 in., actual 18½x21 Doz **78c**

2D9434— " 24 " " 20 x20 " **1.08**

Indigo Blue

New "Liberty" Blue—Standard count, pure indigo blue dye, guaranteed fast, new patterns. Asstd. 1 doz. in pkg.

2D9453—Trade 18 in., actual 17¾x17¾ Doz **$0.78**

TUSIDE—Double process, both sides alike.

2D8454—Trade 21 in., actual 21 x21 Doz **$1.08**

2D8455— " 24 " " 23 x24 " **1.25**

Indigo Blue

"Ironweave"—Specially constructed cloth, insuring extra wearing qualities, guaranteed fast color.

1 doz. in pkg.

2D8815—Trade 21 in., actual 20½x21 ... Doz **$1.08**

"WOODBROOK" MEN'S WORK HANDKERCHIEF

Brown

2D9003—Actual 21 in., brown ground color with black and blue borders, guaranteed fast colors.

1 doz. in pkg. ... Doz **96c**

TOWELINGS

"Boott," "Stevens" and "Red Star" Brands need no introduction. They are all here.

You can push your toweling sales to the front in a hurry with this page of excellent values to draw from.

Bleached Terry Cloth

About 25 Yds. in Piece

Best bleach soft absorbent qualities, fast selvedges. About 25 yds. in pc. Each piece wrapped.

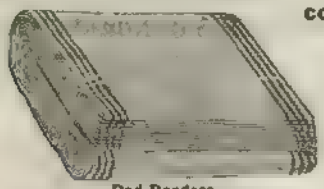
2D3432—18 in., uniform terry . . . . . Yd **18c**

2D3433—17 in., heavy wt. uniform terry . . . . . Yd **22c**

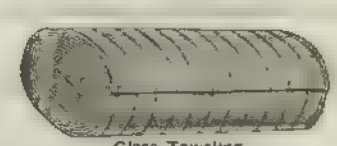
2D3676—16 in., heavy wt. double terry . . . . . Yd **24c**

2D3643—16½ in., extra wide double terry. About 25 yds. in pc . . . . . Yd **30c**

COTTON CRASHES



Red Borders



Glass Toweling

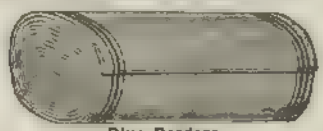
Bleached—15 in., uniform weave, 3 stripe turkey red borders, selvedge 1 side, other patent.

2D3360—About 50 yds. in pc. . . . . Yd **7½c**

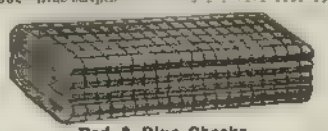
Bleached—15 in., superior bleach, absorbent linen finish, fast color stripes. About 50 yds. in pc. . . . . Yd

2D3361—Red stripes . . . . . } **8c**

2D3362—Blue stripes . . . . . }



Blue Borders



Red & Blue Checks

Bleached—16 in., heavy yarn, uniform weave linen finish, 3 stripe fast color blue borders, fast selvedges.

2D4032—About 50 yds. in pc. . . . . Yd **13c**

Imported Bleached Glass Toweling—16 in., linen finish, closely woven, soft absorbent, fast color checks, fast selvedges. About 30 yds. in pc. . . . . Yd

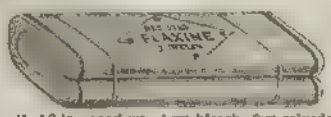
2D3947—Red & white . . . . . } **16c**

2D3948—Blue & white . . . . . }

"RED STAR" COTTON CRASHES

Red and Blue Borders

Sized with pure starch only. No minerals or injurious substances used in manufacture. Old reliable nationally advertised brand



"Flaxine"—16 in., good wt., best bleach, fast selvedges, fast color ½ in. solid stripe borders. About 25 yds. in pc. . . . . Yd

2D3551—Red border . . . . . } **10½c**

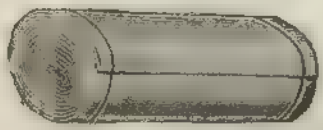
2D3553—Blue border . . . . . }

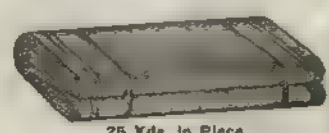
"Emerald" Linen Finish—16 in., heavy wt., best bleach, novelty 2 stripe fast color borders, fast selvedges. About 35 yds. in pc. . . . . Yd

2D3547—Red . . . . . } **13c**

2D3549—Blue . . . . . }

LINEN AND COTTON CRASHES—Red and Blue Borders





25 Yds. in Piece

Brown—16 in., strong warp, part linen, fast color borders. About 50 yds. in pc. . . . . Yd

2D3555—Red border . . . . . } **12c**

2D3554—Blue border . . . . . }

Brown—17 in., strong cotton warp, pure linen filling, ex. reordered finish, fast color borders, fast selvedges. About 25 yds. in pc. . . . . Yd

2D3557—Red borders . . . . . } **16c**

2D3556—Blue borders . . . . . }

Bleached—17 in., best bleach, strong cotton warp, pure linen filling, fast color striped borders, fast selvedges. About 25 yds. in pc. . . . . Yd

2D3562—Red borders . . . . . } **18c**

2D3563—Blue borders . . . . . }

STEVENS' ALL LINEN CRASH

This crash will be billed at prevailing market prices on day order is received, whether higher or lower than here named.

Steven's standard wt. pure linen warp and filling, all pure linen flax yarns, fast color stripe borders, fast selvedges. About 40 yds. in pc.

15 IN. Blue borders

2D3550—(Mfrs 8) Brown . . . . . Yd **11¾c**

16 IN., HEAVY WT.—Blue borders.

2D3584—(Mfrs A) Brown . . . . . Yd **16½c**

2D3585—(Mfrs A) Bleached **17½c**

18 IN. HEAVY WT.—Blue borders.

2D3668—(Mfrs 18P) Brown . . . . . Yd **18½c**

2D3669—Mfrs 12P Bleached **19½c**

"BOOTT" ABSORBENT TOWELING

Well known, nationally advertised goods. Used for bath or kitchen towels, scarfs, pillow etc.

Very absorbent, standard 2 ply filling, best bleach, fast selvedges marked with Boott Mills name. About 25 yds. in pc.

17 IN. WIDE. Fast color Cluster stripe borders. Yd

2D3541—Red . . . . . } **21c**

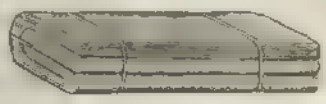
2D3544—Blue . . . . . }

18 IN. WIDE—

2D3546—Plain white borders . . . . . Yd **21c**

ART LINEN CRASH

Useful for table scarfs, side window curtains, fancy art needlework, etc.



Art linen crash, high quality, priced low, two most popular widths. 15 yds. in pc., wrapped.

BROWN

2D4311—18 in. wide . . . . . Yd **32c**

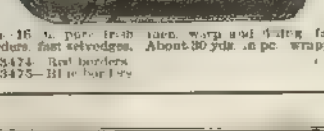
2D4312—36 in. wide **55c**

WHITE

2D4313—18 in. wide . . . . . Yd **35c**

2D4314—36 in. wide **62½c**

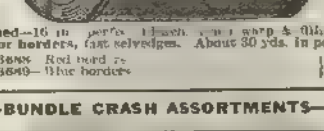
IMPORTED PURE LINEN CRASH—Red and Blue Borders



Brown—16 in., pure fresh linen, warp and filling, fast color borders, fast selvedges. About 30 yds. in pc. wrapped. Yd

2D3474—Red borders

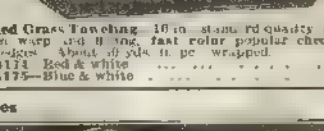
2D3475—Blue borders **17½c**



Bleached—16 in., pure fresh linen, warp & filling, fast color borders, fast selvedges. About 30 yds. in pc. Yd

2D3686—Red borders . . . . . } **22½c**

2D3640—Blue borders . . . . . }



Bleached Glass Toweling—16 in., standard quality all pure linen warp and filling, fast color popular checks, fast selvedges. About 40 yds. in pc. wrapped. Yd

2D4174—Red & white . . . . . } **25c**

2D4175—Blue & white . . . . . }

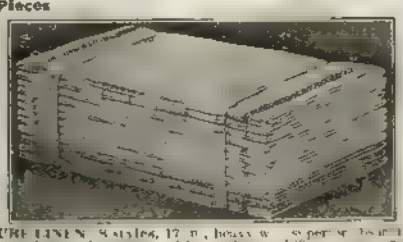
Low Priced—BUNDLE CRASH ASSORTMENTS—10 Yard Pieces

SEMI-BLEACHED—5 styles, 16 to 18 in., cotton, plain weave, glass check, honeycomb and Russian finish, plain red or blue borders and check, fast selvedges, soft absorbent qualities, free from dressing. 10 yds. in pc. Yd **10½c**

2D3468—About 50 yds. in bdl

BLEACHED—5 styles, 16 in., best bleach cotton, plain, bedford cord and herringbone weave, blue glass stripe, plain red and blue stripe borders, fast selvedges, soft finish, best short yarn. 10 yds. in pc. Yd **12½c**

2D3648—50 yds. in pkg.



PURE LINEN—5 styles, 17 in., heavy weight, pure linen qualities. Impervious with washing. 100 per cent linen. Bleached and unbleached, red, blue and glass stripes and plain white borders, fast selvedges. Don't confuse with semi-linens or mixtures of all goods. 5 yds. in piece **22c**

2D3634—Assrtd. 10 yds. in bdl Yd

MEN'S DRESS STRAW HATS

The new Spring ... stated, all have cushion sweat.

Asstd. sizes: 6¾ to 7⅞

Rolee Edge

Natural Giant ... in. brim, ... fancy ... 6A8095—½ doz. in box... Doz **$9.00**

Comfortable Light Weight

Bleached ... brim, ... bright ... imitation leather sweat, full roll-up brim. 6A8096—½ doz. in box ...Doz **$12.00**

Attractive Fancy Straw

Bleached Mackinac ... in crown, ... brim, fancy ... with ... band and ... Full ... sweat. Specify ... 6A8097 ... in box Doz **$16.50**

Very Fine Weave

Bleached Sisal ... Medium light ... brim, ... genuine ... 6A8098 ... Doz **$18.00**

MEN'S TOYO PANAMA HATS

Known as the ... and ... boy cracks or breaks. Each edge ... and re-blocked repeatedly. Will

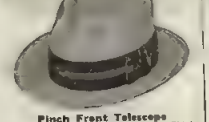
Asstd. sizes: 6¾ to 7⅞

Drop Tip Telescope

Medium Black ... in Lenn. ... 6A8099 ... ½ doz. in box. Doz **$18.00**

Medium Staple Alpine

New Popular Block ... in brim, 2½ in. brim, 5¾ lining silk band, genuine leather sweat. 6A8015—½ doz. in box. Doz **$24.00**



Pinch Front Telescope

Young Men's Block—3¾ in. crown, 2¼ in. ... 6A8047 ... doz in box Doz **$24.00**

Oval Ridge Crown Telescope

A Very Popular Block—Fine ... 3¾ in crown, 2¼ in brim, 5¾ ... 6A8018 ... in box Doz **$30.00**

CHILDREN'S CAPS and HATS

BOYS' LIGHT WEIGHT CAPS

The newest patterns and styles in boys' caps for dress ... or play. On the better grade numbers the patterns run ... the same as our men's caps.

Asstd. sizes 6½ to 7 and packed right.

Cotton Felt Polo

1A2035—2 color, 6-4 crown, special button top, self bound ... orange & black, orange & green, etc. 1 doz. in box ...Doz **82c**

Plaid Suiting

1A207 ... 6-4 crown ... size ... Doz **$4.25**

Fancy Brim Polo

1A2115—Cotton felt, 2 color, 6-4 crown, covered button top fancy perforated turned up brim with stitched edge. Asstd orange & navy oranges & black orange & red, etc 1 doz. in box Doz **$2.00**

Wool Tweed Effect

1A2038—Plaid crown with ... band colored crown ... Doz **$4.25**

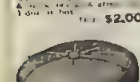
Jockey

1A2016 Mixed wool and cotton ... crown ... celluloid ... Asstd ... & red, orange & ... 1 doz in box ... Doz **$2.00**

Navy Blue Serge

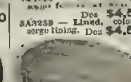
6-4 medium large block, ... 1A1128 ... Doz **$4.50**

1A2038 — Lined, colored serge lining. Doz **$4.50**



All Wool Suiting

6A1002 ... 6 ... full ... black ... 1 ... Asstd ... and ... 1 ... Doz **$3.85**



Overplaid Suiting

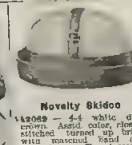
6A2118—1 pc 8 point crown narrow flexible band back, ... Doz **$8.50**

CHILDREN'S SPRING AND SUMMER HATS

Latest patterns and models in this rapid selling line. All styles are for Spring and Summer wear and are the ones in popular demand. Asstd. sizes 6¾ to 8¾.

Combination Rah Rah

6A2096 4-4 heavy white drill flat crown, stitched brim Asstd. brims and band— white cloth lining and ... band and green, tan and ... Doz **$3.65**

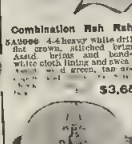


Novelty Skidoo

1A2063 — 4-4 white drill crown, ... Asstd color, closely stitched turned up brims with ... band and cross-stripe. Taped seams, cloth sweat. ... doz. in box Doz **$4.00**

Checked Summer Fabric

... Small check, stitched crown, contrasting band, canvas lining and sweat. Asstd TAN and GRAY ... ½ doz. in box Doz **$4.15**

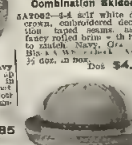


Navy Style

1A2068—2 styles, 6-4 heavy white drill crown, turned up closely stitched brims in solid color and ... Taped seams, ... G. S. N. ... sweat. ... blems. Asstd. styles ½ doz in box Doz **$3.85**

Combination Skidoo

6A2062—4-4 self white drill crown, embroidered decoration taped seams. Asstd fancy rolled brim with band to match. Navy, Gray and Blue ... Asstd. ½ doz. in box Doz **$4.00**



Striped Summer Fabric

6A2086—4-4 round crown Asstd color woven stripe pattern with ... Turned up sides ... Asstd ... Doz **$4.10**

Rah Rah

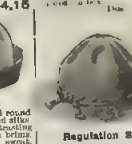
6A2085—Silk top, 6-4 round crown in asstd colored silks Closely stitched, contrasting color turned up cloth brims. Taped seams, cloth sweat. Asstd. colors. ½ doz. in box. Doz **$4.25**

Cable Brim

6A2084 Skidoo 3 styles, 6-4 crowns, ... white drill crown, contrasting color brim and band other solid color summer fabric crown, matching plaid trim and band. ... Asstd ... Doz **$5.50**

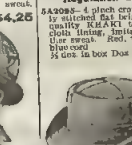
Middy

6A2065—6-4 white drill crown, stitched turned up brim ... Doz **$2.25**



Regulation Scout

6A2088—4 pinch crown, closely stitched flat brim. Good quality KHAKI twill, full cloth lining, imitation leather sweat. Red, white and blue cord ½ doz. in box Doz **$4.15**



Fine Yarn Crash

6A2089 ... crown, stitched brim, heavy ... white ... Doz **$4.25**

BOYS' SPRING AND SUMMER HATS

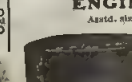
Asstd. sizes: 6¾ to 7

OUR TERMS

2% 10 Days
1% 30 DAYS
Net 60 Days

ENGINEERS' and SHOP CAPS—Union Made

Asstd. sizes: 6¾ to 7⅞. Union labels in all caps. THESE CAPS ARE WASHABLE



Square Crown

1A854 Square crown, durable black ... 3 in ... sweat ... Asstd 7 doz in box Doz **$1.10**

Silk Finish Sateen

1A855—Square crown, ... with ... Asstd 7 doz in box Doz **$1.35**

Enameled Visor

1A856 Large ... ball crown, high ... and ... around ... Doz **$2.90**

HARVEST HATS

Headquarters for America. Hats to sell at 10c, 25c and 50c. All hats made of standard grade straw—not a sub-standard in the line. Another thing, each hat is blocked separately—none blocked 3 at a time, and each hat is sized.

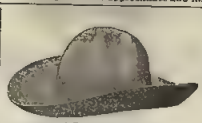
MEN'S AND BOYS' PEANUT HATS

Widths of brims given in descriptions are approximate and may vary somewhat. Assrtd sizes: Men's 6¾ to 7½, boys' 6½ to 7

Alpine Crown

Plain, planter brim 1 doz in pkg.

5A5801 Men's 4½ in. brim
5A5806—Boys' 3¾ " } Doz 85c



4 Dent Crown

Plain, planter brim 1 doz. in pkg.

5A5802—Men's 4½ in. crown
5A5816—Boys' 3¾ " } Doz 85c

6 Ligne Band

Alpine Crown—Planter brim, 6 ligne black ribbed band 1 doz. in pkg.

5A5806—Men's 4½ in. brim
5A5846 Boys' 3¾ " } Doz $1.25

Eyelet Ventilators

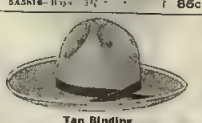
2 Dent Ridge Crown—Roll brim, 6 ligne black ribbed band 1 doz. in pkg

5A5808—Men's 4½ in brim Doz $1.25

Cloth Bound Edge

Alpine Crown—dbl. brim, tan binding 10 ligne black ribbed band, 2 eyelet vent linen lined side, leather patch sweat, 1 doz in pkg

5A5812—Men's 4½ in. brim
5A5810 Boys' 3¾ " } Doz $1.85



Tan Binding

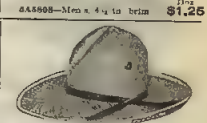
High 4 Dent Crown Roll brim, 10 ligne black ribbed band, 4 eyelet ventilators 1 doz in pkg

5A5811—Men's 4½ in brim Doz $1.85

Flat Brim

6 Dent Crown—Tan binding 10 ligne black ribbed band, eyelet ventilator each side, leather patch sweat 1 doz in pkg

5A5822—Men's 4½ in brim. Doz $1.85



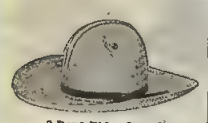
Mexican Shape

1 Dent High Crown—Roll rim, tan binding, 10 ligne black ribbed band, 2 eyelets, leather patch sweat 1 doz in pkg

5A5804 Men's 4½ in brim
5A5807—Boys' 3¾ " } Doz $1.85

MEN'S AND BOYS' MEXICAN HATS—Genuine Imported Mexican Straw Bodies

The most serviceable straw in the line of harvest hats finished with eyelets, binding and leather patch sweats throughout Assrtd sizes Men's 6¾ to 7½, boys' 6½ to 7.



2 Dent Ridge Crown

Genuine Anisero body pressed roll brim, 6 ligne black ribbed band, leather patch sweat ½ doz in pkg.

5A5853—Men's 4½ in brim.
5A5843 Boys' 3¾ " } Doz $2.15

1 Dent High Crown

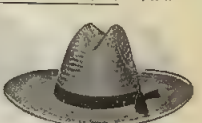
Genuine Anisero body Carefully pressed, roll brim, 6 ligne black ribbed band, leather patch sweat ½ doz in pkg

5A5850 Men's 4½ in brim
5A5841 Boys' 3¾ " } Doz $2.15

4 Dent Crown

Genuine Boleada Body pressed wide flat brim tan binding 10 ligne black ribbed band 4 eyelet ventilators leather patch sweat ½ doz in pkg

5A5835—Men's 4½ in brim Doz $3.25



Alpine Crown

Genuine Boleada Body Pressed wide flat brim tan binding 10 ligne black ribbed band 2 eyelets leather patch sweat ½ doz in pkg

5A5816—Men's 4½ in brim
5A5808—Boys' 3¾ " } Doz $3.25

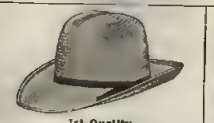
MEN'S CURACAO HATS

A good grade of Mexican Curacao straw, fine Panama weave Width of brims given in descriptions are approximate and may vary somewhat. Assrtd. sizes 6¾ to 7½.

Alpine Crown

2nd Quality Curacao Body—4 in roll brim, tan binding 6 ligne black band leath r patch sweat

5A5809—½ doz in box Doz $4.50



1st Quality

Alpine Crown—4 in roll brim, tan binding, 6 ligne black woven band leather patch sweat

5A5848—½ doz in pkg Doz $5.75

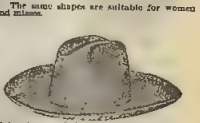
4 Dent Crown

4 in Roll Brim Tan binding 6 ligne black woven band leather patch sweat

5A5830 ½ doz in pkg Doz $5.75

MEN'S AND BOYS' 3 STRAW GRASS BODY HATS

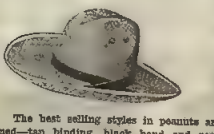
The same shapes are suitable for women and misses.



Alpine Crown—Roll Brim, extra quality 3 straw grass, fast color 2 dent 3 like

5A5806—Men's 4½ in brim
Sizes 6¾ to 7½
5A5809—Boys' 3¾ in. brim
Sizes 6½ to 6¾ } Doz 78c

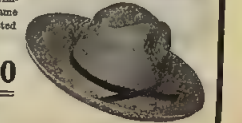
MEN'S HARVEST HAT ASSORTMENT



The best selling styles in peanuts and Anisercs. Each hat fully trimmed—tan binding, black band and real leather patch sweat. The same numbers are listed in our regular hat department and can be duplicated throughout the season.

5A6019—6 styles, assrt. consists of 4 doz peanut hats fully trimmed and 2 doz. Mexican Anisero styles in the best selling shapes.
Assrtd. 6 doz. in carton. NO LESS SOLD.

(Total $11.40) DOZ **$1.90**



Ward's Highest Quality Sweaters for Men

$1.19 All Wool Cap
Men's heavy weight all wool shaker knit Hockey Cap. Blue or Maroon.
Men's Sizes Only
31C35 Camel's Hair
31C41 Grey
31C42 Brown
31C43 Navy Blue
Postage each, 4c extra

All Wool Worsted Full Fashioned Sweater $11.85
When you see the fine quality and feel the warm, heavy weight of this Sweater, we know you will agree that an exceptional value at $11.85. Knit from fine All Wool worsted yarns in heavy shaker stitch. Fits perfectly because it is full fashioned and hand finished throughout. Three-piece double shawl collar can be fastened close up around neck. The pockets are knit in and can not sag, a feature found only in high quality garments such as this splendid sweater.
SIZES 36 to 46 inch chest. State size wanted.
31C103 Brown
31C104 Navy Blue
31C105 Camel Tan
31C106 Green
Yarn
$11.85
Postage each 12c extra

All Wool Cap 98¢
Men's Sizes Only
31C637 White
31C638 Navy
31C639 Red
Shaker knit Wool
31C634 Buff and Brown
Postage each, 9c extra

All Wool Shaker Cap $1.00
Heavy weight All Wool shaker knit Hockey Cap
31C611 Maroon and Buff
31C612 Navy Blue and Gold
31C613 Green and Buff
Postage each, 4c extra

Mothers~Save Money on Childrens Knitwear

A $3.98

B $4.98 All Wool Knit

C $5.69

D $2.98 All Wool

E 75¢ Cap

$2.98

F $1.98 Part Wool Worsted

G $1.98 Part Wool Full Over

H $2.69 Part Wool Worsted

J $2.85 All Wool Knit

K $2.25 New Style Slip Over

L $2.98 Part Wool

Descriptions on Opposite Page

R $1.45 Part Wool

M 59¢

N 58¢

P 29¢

Q 49¢

Caps and Scarf Sets For Women and Misses

S $2.68 All Wool Worsted

T $1.98 All Wool Worsted

V $2.69 Part Wool Brushed

W $1.98 Heavy Part Wool

X $1.95 Part Wool

Girls' Set $1.95 Part Wool

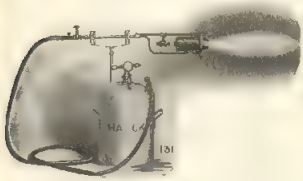
Women's or Misses' Set $2.98

Girls' Set $1.98 Part Wool

T $2.25 Part Wool Worsted

Z $1.39 Part Wool

Hauck Portable Kerosene Burner



Hand Pump Type
No compressed air required

For kerosene only, having a quick acting hand air pump built inside the tank. It was designed for field and shop work where compressed air is not available or convenient for use. The flame is intense and easily regulated as desired. The burner operates approximately five hours with a few strokes of pumping.

Stands as shown, holding above burner, are furnished when ordered

No.	Capacity of Seamless Tank	Length of Hose	Oil Consumption per Hour	Shipping Weight	Weight of Burner	Price Complete
1500-7	10 Gal.	12 Ft.	1¾ Gal	80 lbs.	5 lbs.	70.00
1500-8	12 Gal	12 Ft.	2½ Gal	95 lbs.	6 lbs.	85.00
1500-9	15 Gal	12 Ft.	3 Gal.	110 lbs	8 lbs.	98.00

Either of the above outfits can be furnished with two or more burners on one tank

Hauck Thawing Outfits

No. 1501

For Railroads and Terminal Yards. Prevent derailment and traffic tie-ups

This simple way of melting snow and ice from switches, frogs and derails, is so inexpensive that no Interlocking Plant, Switchtower, Terminal Yard or Section can afford to be without a Hauck Thawer. It is an insurance against costly delays of trains during snow and sleet storms on account of frozen frogs and switches.

For Terminal Yards and on Snowplows where compressed air is available, we recommend Hauck Compressed Air Type Burners, which can be attached to blow-off valve on air brakes. They can be used with any kind of crude fuel or kerosene oil and start instantly without previous heating of the burner. Ask for special bulletin

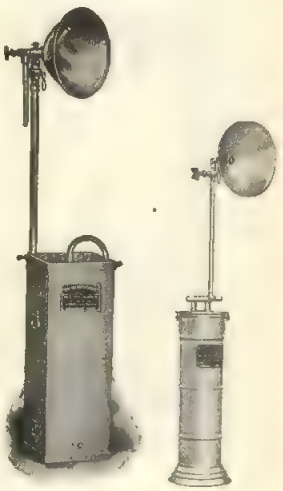
One man with a Hauck Thawing Outfit is equal to ten men with picks and brooms. It is a necessary equipment for every emergency car and snowplow.

Distillate or gas oil, residue of Pintsch gas, may also be used.

Additional lengths of hose furnished if desired.

For full information and prices see "Portable Kerosene Burners" above.

Milburn Lights



No. 8 RELIANCE

Milburn High Power Portable Acetylene Lights are manufactured in a large variety of styles and sizes suited to any requirement of outdoor night work. They are extensively used in industrial plants, foundries, mines, quarries, material yards, railroad service, shipping, contractors' work and Government departments. They range from 100 to 30,000 candle-power.

Milburn Lights are extremely simple in operation and are understood by an ordinary laborer. They are safe, economical and durably constructed. Ordinary commercial carbide and water are the only requirements for its operation, the carbide being obtainable everywhere, with the same ease as oil or gasoline, and at a uniformly low price.

Lamp carbide has a much higher gas yield than any other form and is bought in an open market, leaving the consumer independent of any special controlled sources of fuel supply. These points are important factors in the economy of the Milburn Light.

No.	Candle Power	Burning capacity Hours	Height	Carbide Charge	Weight empty
1502-22	100	8	19"	1 lb.	3 lbs.
1502-Builder	500	12	29"	1½ lbs.	11 lbs.
1502-Reliance	1000	8	51"	2 lbs.	17 lbs.
1502-8	8000	12	6'	8 lbs.	60 lbs.
1502-12	12000	12	6'x6"	12 lbs.	85 lbs.

Automatic Acetylene Generators

No. 1503

The Automatic Acetylene Generator is of the medium pressure, carbide to water type, and is made in 15, 25, 50 and 100 lb. sizes, to meet every service requirement.

Aside from the important advantage of never running short of acetylene gas just when you have a rush job to do (as often happens when acetylene cylinders are used), this Acetylene Generator produces an absolutely pure acetylene gas that insures successful welding.

It produces pure acetylene gas from carbide and water for welding and cutting and lead burning by the Oxy-Acetylene process.

It can be used with any make of welding cutting or lead burning apparatus.

The Acetylene Generator possesses many marked advantages the most important of these being the absence of weights, clockwork and complicated mechanism. The carbide feed is simple sure and dependable, and is automatically controlled by the gas consumed by the torch—the generating of the gas automatically stops when the torch is extinguished and automatically starts generating when the torch is relighted, thus automatically maintaining a constant even gas pressure.

Interlocking safety levers make the generator absolutely foolproof, and compel the users to follow the proper sequence of the operations necessary to start or shut off the generator. A dependable safety blow-off makes it impossible to obtain more than 15 lbs. pressure.

The gas purifier has a water seal which seals the gas and absolutely prevents a back flash reaching the generator.

A truck holding the generator and one cylinder of oxygen can be supplied with 15 and 25 lb. generators when desired.

Further information and prices on application.

TABLE OF CAPACITIES OF ACETYLENE GENERATORS

Acetylene Gas Generated per Charge of Carbide	Approximate No. of Torches used at Same Time: Light Work	Medium Work	Heavy Work	Size of Generator Required	Carbide Capacity Lbs.	Carbide Used per Hour Lbs.	Acetylene Gas Generated per Hour cu. ft.	List Price
75	1	1	0	15	15	3	25	P.O.A.
125	2	1	1	25	25	5	25	
250	4	2	1	50	50	10	50	
500	10	5	2	100	100	20	100	

Prices and data on 200 and 300-lb. sizes on request

Oxy-Acetylene Outfit in Carrying Case

A complete welding, cutting or combination unit

WELDING OUTFIT

Welding torch with five interchangeable tips, oxygen regulator with high and low pressure gauges; acetylene regulator with high and low pressure gauges; length oxygen hose with couplings, length acetylene hose with couplings, pair special oxy-acetylene goggles; 1 pair gloves, friction torch lighter; 1 set wrenches; instructions.

No. 1504-1 ..... P.O.A.

CUTTING OUTFIT

1 standard Milburn cutting torch with 3 interchangeable tips; 1 roller guide for head of cutting torch; regulators, hose, goggles, gloves and accessories as above, except welding rod and fluxes.

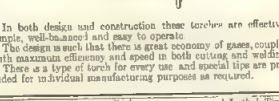
No. 1505-2 ..... P.O.A.

COMBINATION OUTFIT

1 Milburn combination torch with 3 welding and 3 cutting tips. Regulators, hose, goggles, gloves and accessories as in welding Outfit above.

No. 1506-3 ..... P.O.A.

Cutting and Welding Torches



In both design and construction these torches are effective, simple, well-balanced and easy to operate.

The design is such that there is great economy of gases, coupled with maximum efficiency and speed in both cutting and welding.

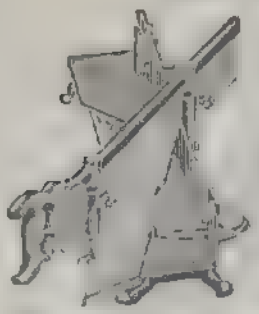
There is a type of torch for every use and special tips are provided for individual manufacturing purposes as required.

No.	Style	Lgth	Tips
1507-NI	Combination Cutting and Welding Torch	21	6
1507-J20	Welding Torch	20	5
1507-J14	Bench Torch	14	5
1507-R	Water Cooled Machine Torch	16	3
1507-MJ	Manufacturers' Torch	12	5
1507-LJ	Lead Burning Torch	9	3
1507-JJ	Jewelers' Torch	7	1
1507-N	Cutting Torch	23	3
1507-NT	Straight Head Cutting	21	3
1507-AB	Acetylene Brazing Torch	20	2
1507-CB	Carbon Burning Torch	20	1
1507-CG	City Gas Torch	14	1
1506-OG	" " "	12	1

Full information and prices mailed on request

MITRE BOXES

IMPROVED NEW LANGDON



With Saw.

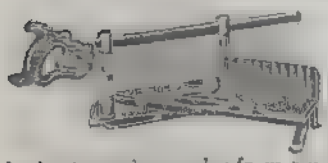
Cast iron frame, painted dark brown, malleable iron legs, corrugated back, polished steel uprights, cuts by using the circular arms or guides, from right angles to 75 degrees on 2½ inch stuff, also cutting from right angles to 45 degrees. The only box adjustable for mitreing circular work to patterns, emery wheels and segments of various kinds.

Capacity 9⅜ ins at right angle, 6⅜ ins at mitre.

Nos.	31	32	34
Size	2	2	2½
Size saw, ins	22x4	24x4	28x5
Length frame, ins	19⅛x4¼	19⅛x4¼	19⅛x4¼
Wt each, lbs	30	32	35
Each	$41 25	42 75	51 00

One in wood box.

NEW LANGDON



With Saw.

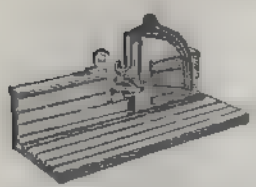
Cast iron frame, painted corrugated back, Malleable iron legs, polished steel uprights with spur center clamping device to hold stock, arms pinned to lock at regular angles from right angle to 45°, capacity 3⅛ ins at right angle and 6⅜ ins at mitre.

Each

No. 23 Size with 24x4 inch saw, length frame 19⅛x4¼ ins $39 00

One in wood box; wt each 27½ lbs.

PERFECTION



Without Saw.

Japanned malleable iron frame, polished cast steel post, varnished inlaid hardwood base, tongued and grooved. Guide is held at any desired angle by sliding key and depth of cut is controlled by clutch on guide post, saws at any angle from 9° to 90° with work lying parallel to back of box. Detachable from wood base and takes hand, panel or back saw.

Each

No. 10—Length base 16 ins; width 6 ins; 4x¾ in back $9 45

Two in wood box; wt each 5½ lbs.

MITRE BOX SETS

C. E. JENNINGS & CO.

Frame made of seasoned hardwood, held securely together by screws. Complete with 10-inch back saw, hardwood back which prevents sawing frame. Especially adapted for amatuers and for sawing picture frames and other mouldings.

Per Doz

No. 011—Length base 10 ins; outside width 3⅛ ins; inside width 1⅞ ins; depth 1¼ ins $51 00

One in cardboard box; wt per doz 18 lbs.

LATHE, WITH SCROLL SAW ATTACHMENT

MILLER FALLS CO.

Japanned iron frame drive wheel and treadle; 7½ inch iron tilting table, 20½ inch hardwood arms, with blower attachment; 13 inch drive wheel, round leather belt. Height 39 inches. Base 25x15 inches, bed 24 inches long, has 2 inch face plate, one spur center and one screw center. The scroll saw can be taken off by loosening one bolt. The tailstock has a screw feed center which is secured at any point desired by a clamping device like that on modern engine lathes.

Driving wheel is made with two grooves of different depths to give change of speed, as the belt runs from it to the cone pulley. On the outer side of the pulley is a 4x¾ inch solid emery wheel.

Each

No. 320—Complete with lathe attachment, 12 saw blades, wrench, sheet of designs, long tool rest, short tool rest, 6 drill points, 1 straight turning chisel, 1 skew turning chisel, 1 turning gouge and screw driver (no circular saw attachment included) $72 00

One in wood box; wt each boxed about 75 lbs.

Each

No. 319 -Circular saw attachment only $4 05

One in wood box; wt each 3 lbs.

PLANES

KEYSTONE

These Keystone planes were designed and are intended for household and general use.

Strictly high grade quality throughout. Blades are of polished crucible steel; frames and caps cast iron, japanned, polished sides and bottoms; varnished knobs and handles.

Smooth,

Corrugated Bottom.

Screw and lever adjustments.

Each

No. 4KC—Length 9 ins; 2 in. cutter; wt each 3½ lbs $6 45

One in cardboard box.

Jack,

Corrugated Bottom.

Screw and lever adjustments

Each

No. 5KC—Length 14 ins; 2 in. cutter; wt each 4¾ lbs $7 95

One in cardboard box.

Iron Block.

Length 7½ inches; 1⅝ inch cutters.

(Illustration of No. 220K)

Each

No. 110K—Not adjustable $1 95

No. 220K—Adjustable 2 70

One in cardboard box; wt each 1½ lbs.

PLANES

BAILEY, Wood Bottom Bench.

Varnished hardwood bottoms, knobs and handles, japanned cast iron frame and cap, tool steel cutter, tempered and polished; screw and lever adjustment.

Smooth.

Nos.	22	24
Length, ins	8	8
Width cut, ins	1¾	2
Wt each, lbs	2¼	3
Each	$7 20	7 80

One in cardboard box.

Smooth, Handled.

Nos.	35	36
Length, ins	9	10
Width cut, ins	2	2⅜
Wt each, lbs	3½	4
Each	$9 00	10 20

One in cardboard box.

Jack, Fore and Jointer.

Nos.	Style	Length, ins	Width cut, ins	Wt each, lbs	Each
26	Jack	15	2	4	$7 95
28	Fore	18	2⅜	5½	10 20
31	Jointer	24	2⅜	6½	10 80

One in paper pkg.

	Each
Extra Handles, For Nos., 26, 28, and 31	$0 54

Half doz in cardboard box, wt per doz 2 lbs.

BAILEY, Iron Bottom Bench.

Japanned cast iron frame, polished bottoms, sides and caps; varnished rosewood knobs and handles. Tool steel cutters tempered and polished, screw and lever adjustment.

Plain Bottom, Smooth.

Nos.	2	3	4	4½
Length, ins	7	8	9	10
Width cut, ins	1⅝	1¾	2	2⅜
Wt each, lbs	2¼	3	3½	5
Each	$8 10	8 40	9 00	10 26

One in cardboard box.

Corrugated Bottom, Smooth.

Nos.	3C	4C	4½C
Length, ins	8	9	10
Width cut, ins	1¾	2	2⅜
Wt each, lbs	3¼	4	5
Each	$9 00	9 75	10 80

One in cardboard box

	Each
Extra Handles for above planes, except No. 2	$0 99

Half doz in cardboard box, wt per doz 2 lbs.

For Bailey PLANE IRONS, See Page 87.

PLANES

BAILEY, Iron Bottom Bench.

Japanned cast iron frame, polished bottoms, sides and caps; varnished rosewood knobs and handles. Tool steel cutters; tempered and polished, screw and lever adjustment.

Plain Bottom.

Nos.	5¼	5	5½	6	7	8
Style	Jack	Jack	Jack	Fore	Jointer	
Length, ins	12	14	15	18	22	24
Width cut, ins	1⅝	2	2¼	2⅜	2⅝	2⅝
Wt each, lbs	3⅜	4¼	6	7	7½	9
Each	$9 60	10 65	12 00	13 65	15 60	18 30

One in cardboard box.

Corrugated Bottom.

Nos.	5C	5½C	6C	7C	8C
Style	Jack	Jack	Fore	Jointer	
Length, ins	14	15	18	22	24
Width cut, ins	2	2¼	2⅜	2⅝	2⅝
Wt each, lbs	5	6	7	8	9
Each	$10 80	12 60	14 40	16 35	19 50

One in cardboard box.

	Each
Extra Handles for above planes	$0 99

Half doz in cardboard box; wt per doz 2 lbs.

STANLEY, Iron Bottom Bench.

The cutter, frog and bottom are so designed that they are practically one solid piece of metal, thus preventing any chance of vibration. Frog may be adjusted either forward or backward without removing lever and cutter, while cutter is adjustable both end wise and side wise.

"Bed Rock", Plain Bottom, Smooth.

Nos.	602	603	604
Length, ins	7	8	9
Size cutter, ins	1⅝	1¾	2
Wt each, lbs	2¼	3¼	3¾
Each	$9 00	9 30	10 20

"Bed Rock", Corrugated Bottom, Smooth.

Nos.	603C	604C
Length, ins	8	9
Size cutter, ins	1¾	2
Wt each, lbs	3¼	3¾
Each	$9 75	10 65

One in cardboard box

"Bed Rock," Plain Bottom.

Nos.	605	606	607
Kind	Jack	Fore	Jointer
Length, ins	14	18	22
Size cutter, ins	2	2⅜	2⅝
Wt each, lbs	5½	7¼	8½
Each	$11 70	15 00	17 25

One in cardboard box.

"Bed Rock," Corrugated Bottom.

Nos.	605C	606C	607C
Kind	Jack	Fore	Jointer
Length, ins	14	18	22
Size cutter, ins	2	2⅜	2⅝
Wt each, lbs	5½	7¼	8½
Each	$12 30	15 75	18 00

One in cardboard box.

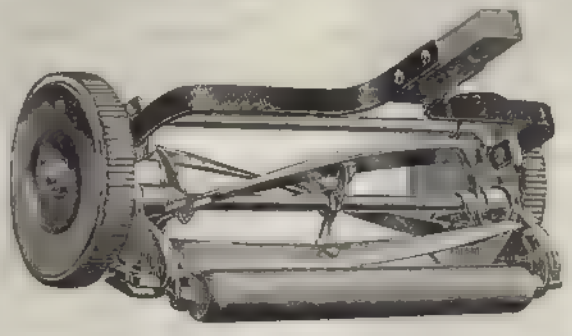
LAWN MOWERS

Including the famous "Electric"—the lowest priced good lawn mower in the market

Excellent Money Makers For You!

"Electric" Ball-Bearing Ratchet Mowers

Have many of the specifications of higher priced mowers. Remarkably high grade instrument at remarkably low prices.



8 in. solid drive wheels, 8 blades, reel [illegible] in. diam., ½ in. cutter shaft, making a very [illegible] cutter that will not cut if knocked out of [illegible] place; plate, [illegible] ball-bearing ratchet mower [illegible] plate adjusting [illegible] to raise, lower, right, [illegible] drive wheels; depressed [illegible] cut grass in any position up to 10 in. high; in case, about 35 lbs.

	Each		Each		Each
2H7855—14 in. cut	$6.25	2H7856—16 in. cut	$6.75	2H7857—18 in. cut	Out

"MOHAWK" BALL-BEARING MOWERS

Best quality steel cones, cups and balls, guaranteed not to wear or require adjusting for life of mowers, self-sharpening blades, fitted for grass catcher, hand painted and striped, superior varnished handles.

STAR VALUE **"Minneapolis"**—10 in. open [illegible] wheels, 4 Diamond [illegible] blades, 4 steel [illegible] automatic ball bearing cup and cone [illegible] bushings for [illegible] steel [illegible] gold [illegible] striped [illegible] Adjustable [illegible] to [illegible] any position [illegible] cut grass up to [illegible] in. high; in case, about 45 lbs.

2H7843—16 in. cut Each **$8.25**

"Superior"—8 in. solid center drive wheels, 4 [illegible] blades, reel 5½ in. diam., ball bearing cutter journal, heavy [illegible] frame, [illegible] adjustable [illegible] Will cut [illegible] in. high; in case, about 40 lbs.

2H7867—16 in. cut Each **$8.95**

"Standard"—10 in. solid center drive wheels, 4 revolving blades, reel [illegible] in. diam., [illegible] raised gear, automatic ball bearing cups and cones, [illegible] bushings for [illegible] adjustment, [illegible] gold bronze body, silver and red trim. Will cut 6 or 7 in. grass in any position [illegible] in case, about 55 lbs.

2H7857—16 in. cut Each Out

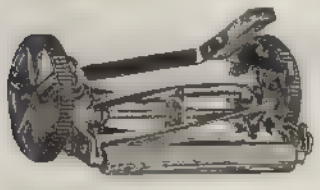
"Aero"—10 in. open drive wheels, steel bearings, 4 revolving blades, reel 6 in. diam., extra [illegible] wide case, knife bar pivoted on rocker arms on [illegible] bronze bushings, [illegible] steel [illegible] Will cut [illegible] in. standing grass, adjustable to cut lengths ⅝ to 1¼ in.; in case, about 60 lbs.

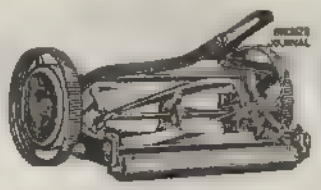
2H7859—16 in. cut Each **$11.25**

2H7860—18 " " " **$11.15**

"BELMONT" MOWERS

Self-sharpening blades, fitted for grass catcher, hand painted and striped, superior varnished handles.





"Majestic"—Triple gear, 10 in. open drive wheels, 4 extra heavy revolving blades, reel 6 in. diam., drives from both ends, extra long wheel base, trussed, patented knife bar, automatic ball-bearing drive wheels and reel, white enameled black superstructure, gold bronze trim, curling gear gold bronze, long handle. Will cut 5 and 6 in. grass, adjustable to cut lengths ¾ to 1½ in., 3 in case, about 68 lbs.

2H9858—16 in. cut ... Each **$16.50**

"Blue Bird"—[illegible] open wheels, 4 revolving blades, reel [illegible] in. diam., knife bar pivoted on rocker arms, [illegible] body, gold trim. Will cut grass up to 5 in., in any position; 1 in case, about 46 lbs.

2H1038—14 in. cut	Each	$7.95
2H1041—16 " "	"	8.75
2H1042—18 " "	"	8.95

"Red Peerless"—[illegible] in. solid center drive wheels, 4 [illegible] revolving blades, reel [illegible] in. diam., knife bar pivoted on rocker arms, [illegible] adjustment, grease journals, bright red box [illegible] Will cut standing grass [illegible] in. high; [illegible] in case, about 46 lbs.

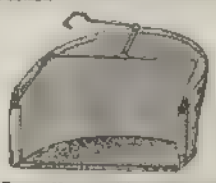
2H7863—16 in. cut Each **$8.65**

"Park"—10 in. solid center drive wheels, 4 [illegible] blades, reel 6 in. diam., adjustable collar to eliminate lateral motion, [illegible] by [illegible] bar, [illegible] steel [illegible] drive wheels, [illegible] cut 10 in. grass, [illegible] in case, about [illegible] lbs.

2H7865—18 in. cut, ... Each **$9.75**

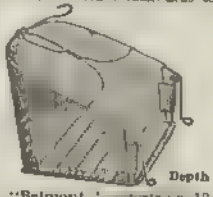
GRASS CATCHERS

When catcher is attached, directly over roller of mower, grass slides backwards to lower level of catcher.



18 in. Deep. Heavy white canvas, galvanized wire [illegible] adjustable [illegible] to fit any [illegible] large [illegible] Spoons, handle for carrying, [illegible] Weighs [illegible] lbs.

Fits mowers			
2H9760—12 to 16 in.	Doz	$8.25
2H9761—16 " 20 "	"	9.25



Depth 17 In.

2H1954 "Belmont" [illegible] 12 to 18 in. non-slipping square bottom, twisted wire handle attached to sides and back, galvanized sheet steel bottom. 1 in pkg.

Each **$1.15**

POULTRY SUPPLIES

"STAR" FOUNTAIN

2H9340 [illegible] steel [illegible] tank, fits screw [illegible] of [illegible] jars, [illegible] galvanized [illegible] 1 doz. in pkg.

Doz 85c

MOE'S JAR FOUNT

[illegible] tank, easily cleaned, fits Mason [illegible] jars, [illegible] 1 doz. in pkg.

Doz	78c
6 doz. in crate	Doz 76c

CHICK FOUNTAINS AND FEEDERS

Sanitary

2H9346—6 holes, base 6 in. diam., galvanized iron, without [illegible] 1 doz. in pkg.

Doz **$1.28**

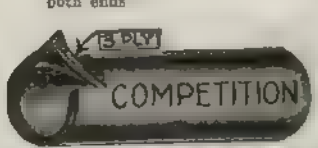
2H8743—12 holes, 2 qt., heavy galvanized iron, upper [illegible] [illegible] [illegible]

LAWN HOSE

We don't just buy lawn hose—we build this line on specifications that we know will insure long wear—rubber, fabric and construction the highest—price the lowest

MULTIPLE RUBBER HOSE

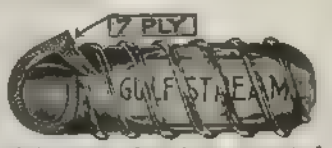
When you compare size for size and quality for quality with other brands you will find that our prices are lowest. If a hose is 3 ply it is 3 ply of rubber and cotton with an outer jacket and inner tube of rubber, etc. Inside measurements given on each style, nickel plated couplings both ends



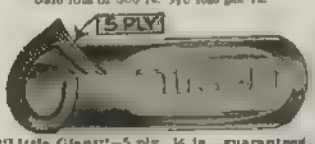
"Competition" 3 ply ... guaranteed non-crimping ... hose with brass ... nickel plated ... Has more ... than other ... offered at these figures.
2H2140—50 ft. lengths ... Ft 6¾
Bale lots of 500 ft. ½c less per ft.

"Improved Powerful" 3 ply ... guaranteed brass non-rusting steel wire ... test pressure 350 lbs. ... pressure 90 lbs. ... to stand hard usage
2H2145—50 ft. lengths ... Ft Out
Bale lots of 500 ft. ½c less per ft.

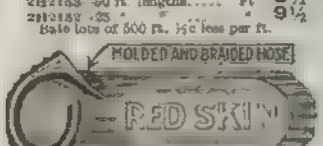
"Red Top"—5 ply ¾ in., guaranteed, red rubber, test pressure 300 lbs., working pressure 90 lbs.
2H2154—50 ft. lengths ... Ft 13
Bale lots of 500 ft. ½c less per ft.



"Gulf Stream" 7 ply ... guaranteed ... pure para rubber ... heavy ... rust-resisting steel wire bound, ... test pressure 350 lbs. working pressure 90 lbs.
2H2137—50 ft. lengths ... Ft 14½
Bale lots of 500 ft. ½c less per ft.



"Little Giant"—5 ply, ½ in., guaranteed, test pressure 300 lbs., working pressure 90 lbs.
2H2153—50 ft. lengths ... Ft 8½
2H2155—25 ft. ... Ft 9½
Bale lots of 500 ft. ½c less per ft.



"Red Skin" ... guaranteed ... hydrid seamless ... by ... process ... of ... rubber with ... jackets of braided double twisted ... cord, impregnated with high grade rubber ... friction ... test pressure 500 lbs. ... working pressure 150 lbs.
2H2144—50 ft. lengths ... Ft 10½
2H4655—25 ft. ... Ft 11½
Bale lots of 500 ft. ½c less per ft.

"Red Skin"

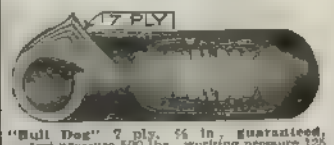
Built Like a Cord Tire

Wrapped Like a Cord Tire

A high grade hose at the price of cheaper grades. Seamless molded 2 ply, will not kink up, lasts for years.

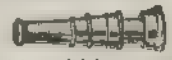
Guaranteed, red corrugated or molded seamless ... will not break, braided ... tube ... cord ply ... by ... process ... lbs. working pressure ... flexible and will not kink up, nickel plated couplings at both ends. Wrapped like a cord tire.

2H2146—½ in., 50 ft. lengths Ft 10½c
2H4655—½ in., 25 ft. lengths Ft 11½c
Bale lots of 500 feet, ½c less per ft.



"Bull Dog" 7 ply, ⅝ in., guaranteed, test pressure 500 lbs. working pressure 125 lbs. will stand the highest pressure, each coil wrapped in heavy hardware paper
2H4662—50 ft. lengths ... Ft Out
Bale lots of 500 ft. ½c less per ft.

BRASS NOZZLES



2H2094—4 in. solid brass, polished, throws spray or solid stream, with slip Out
1 doz. in box Doz $4.50

2H1962—... solid cast brass polished ... throws ... spray straight stream or with ... shut off ... grip
... doz. in box, ... Doz $4.75

LAWN SPRINKLERS

2H1936—"The Wonder," 8 in. diam. polished brass ring sprinkler, will throw fountain-like spray ... in ... Out
1 doz. in box ... Doz $6.85

2H1965—"Anaconda," revolving, 10 ... high ... brass arms and head, black enameled steel with red enameled stem, 1 in box
Each $1.40

2H8243 Hose nozzle and garden sprayer, cast iron body ... with ... and ... adjustable ... from ... to fine mist spray, ... to ... Area ... to get out of order, each in attractive box, 6 in free counter display carton
Each $1.35

Our Terms
2% 10 DAYS
1% 30 DAYS
Net 60 DAYS

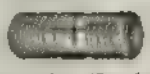
"Rain King" Sprinkler

One of the most popular sprinklers ever produced. It has many exclusive features. Our price is right.

2H8242—Heavy cast brass and bronze top, cast iron base 3 arms, small brass nozzle on ... adjustable ... for ... fine or coarse spray revolves on bronze bearing ... stable to circle from 5 to 50 ft. on 20 lb. pressure. Retails at $3.50
1 in carton Each **$2.35**

HOSE ACCESSORIES

Clamps—For ¾ in. hose, strong spring steel galvanized clamp on top with nut for tightening
2H1965—3 doz. in box, Doz 35c



Hose Mender—"Sure Grip," ... in steel ... less ... wire or clamps ... when ... used as grips ... will not ... wood
2H3696—1 doz. in box Doz 75c

Washer—... Rubber ... fits either ⅜ or ½ in. hose nozzle.
2H1937—12 in box 5 doz boxes in carton. Doz boxes 35c

"Good Luck" Washer. Red rubber fits ¾, ⅝ and ½ in. hose nozzle. 1 doz. in box.
2H1968—1 doz. boxes in display carton Doz boxes 80c

Hose Mender—¾ in. galvanized steel tube and clamps ... to hose and hammer down, no wire or fasteners necessary, perfect clinching
2H5335—3 doz. in box ..... Doz 87c

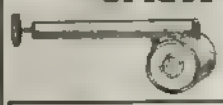
LAWN HOSE REELS

Capacity 100 ft. of Hose

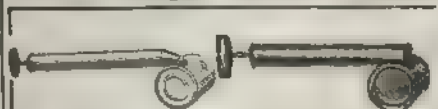
2H1939—3... in. ... 9 to drum, 28 in. handle all steel rods, ... screws or rivets used, baked black Japanned finish
1 in crate, 14 lbs. Each Out

2H1996—7 ... wheel, 30 in. reel, 9 in. drum, 39 in. handle, selected steel rods, electrically welded ... bolts screws or rivets, baked brass Japanned finish, 1 in crate, 19 lbs. ... Each **$3.60**

SPRAY PUMPS



2H6932—1 qt. heavy galvanized iron tank, ... seamed and ... tin ... and ... to tank ... oz. in carton Doz **$3.85**



2H6930 — "Belmont," 1 qt. tin plate tank, ... plate ... securely attached for general purposes, 1 doz. in carton Doz **$2.25**

2H6931 — "Belmont," 1 qt. tin plate tank, ... seamed ... through the top of can makes it very strong, 1 doz. in carton Doz **$3.45**

BUCKET FORCE PUMPS

2H2133 — "Modoc," ... brass tubing, ... 14 inch ... features to ... fast, straight stream or mist-like spray, handles whitewash with same nozzle, 3 ft. ... ply ½ in. hose. 1 in ...
Each **$2.50**

"BELMONT" SPRAYER

2H6934—"Belmont" ... quart heavy galvanized steel tank ... strongly ... and ... with ... adjustable brass spray nozzle ... Jacket to keep ... hands ... Operates ... pump handles ... any ... pail ... sediment ... also white-wash. 1 in carton.
Each **$4.20**

Brass Extension Pipe for above Sprayer

2H6935 3 ft. long ... standard wire pipe ... threads on each end to fit nozzle ... in carton
Each **65c**

GARDEN BARROW

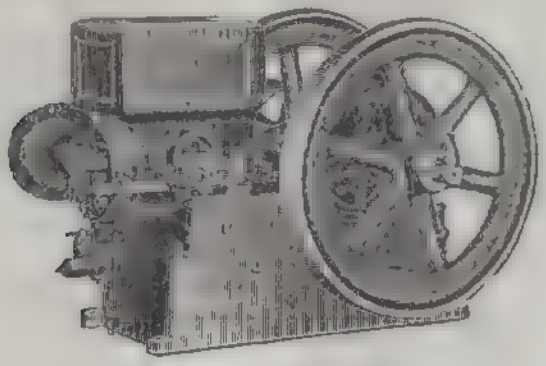
2H1147 (Both ... in. ... tray ... 20 lb. ... steel ... steel wood ... painted ... and var-nished ... tray ... and ... ing ... 1 in pkg. ... 45 lbs.
Each **$5.50**

KEROSENE ENGINES

MONARCH LINE

These engines are scientifically designed for a general utility power unit. Heavy enough to withstand any strain, light enough to be easily handled. Throttling governor regulates fuel supply, and keeps the engine running at a uniform speed. They are primarily a Kerosene burning engine, but will operate on gasoline with equal satisfaction, developing the same horse power and utilizing a like amount of fuel.

Economical in operation, easy to start, no multiplicity of complicated parts or fittings. All parts easily accessible for inspection and repair. Every part uniform and interchangeable. Each engine thoroughly tested and shipped complete ready to run.



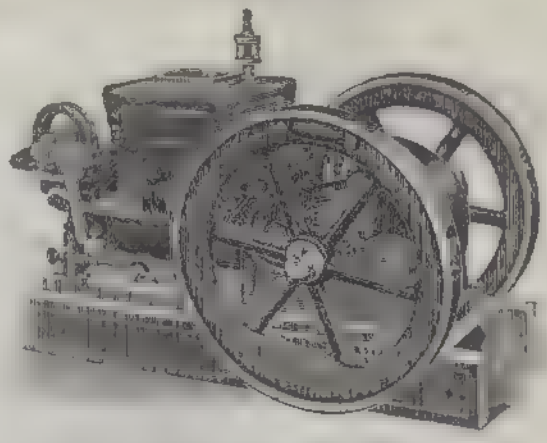
3, 5 and 7 Horse Power.
With Webster Oscillating Magneto.

Nos.	K3CAM	K5DBM	K7FBM
Horse power	3	5	7
Speed	450	450	380
Bore, ins	4½	4¾	6½
Stroke, ins	6	6	10
Pulley, ins	8x6	12x6	14x8
Diam of fly-wheels, ins	21	26	36
Wt of fly-wheels, lbs	81	142	250
Diam shaft for pulley, ins	1¾	1¾	2
Floor space, ins	24x38	26x49	55x58
Shipping wt each, lbs	480	690	1200
Each	✚$213 00	✚291 00	✚426 00

✚F. O. B. Michigan Factory Only.

GASOLINE ENGINES

MONARCH LINE



(Showing Engine on Skids.)

1¾ AND 3 H. P. ENGINE

With Webster Oscillating Magneto.

These engines are exceptionally powerful for their size. They are fitted with the well known Webster Oscillating Magneto, which requires no batteries and is equipped with a self starter which makes it unnecessary to crank the engine when starting.

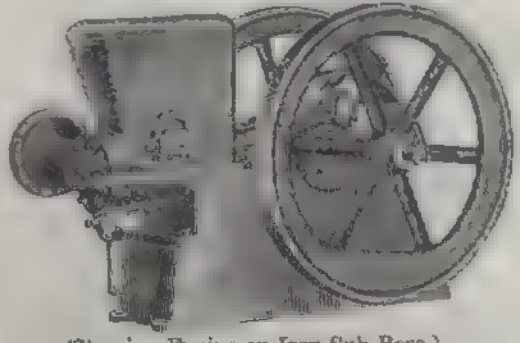
	On Skids		On Iron Sub-Base
Nos.	1¾NM	3CM	3CMIB
Horse Power	1¾	3	3
Bore, ins	3½	4½	4½
Stroke, ins	5	6	6
R. P. M., normal	500	450	450
Size of pulley, ins	4x4	8x6	8x6
Diam of fly-wheels, ins	17	21	21
Wt of fly-wheels, lbs	34	81	81
Diam shaft for pulley, ins	1¼	1¾	1¾
Floor space, ins	40x20	58x24	50x24
Wt each on skids, lbs	260	425	415
Each	$144 00	✚201 00	✚216 00

Crated.

✚F. O. B. Michigan Factory Only.

GASOLINE ENGINES

MONARCH LINE



(Showing Engine on Iron Sub-Base.)

5 AND 7 H. P. ENGINE

With Webster Oscillating Magneto.

The crank shaft is drop forged of the best open hearth steel. The carburetor [illegible] its special design insures perfect regulation in the supply of gasoline. These engines are especially [illegible] economy [illegible] of fuel. They are powerful and dependable for all kinds of work.

Fitted with the well known Webster Oscillating Magneto which as to its efficiency and reliability needs no introduction the trade.

Horse power	5	7
Bore, ins	4¾	6½
Stroke, ins	6	10
R. P. M., normal	430	380
Size of pulley, ins	12x6	14x8
Diam of fly-wheels, ins	26	36
Wt of fly-wheels, each, lbs	142	250
Diam of shaft for pulley, ins	1¾	2
Floor space, ins	45x26	58x35
Wt of engine on skids, lbs	630	1110
Wt of engine on iron-sub-base, lbs	690	1200
On Skids—Nos.	**5DM**	**7FM**
Each	✚$277 50	✚402 00
On Iron Sub-Base—Nos.	**5DMIB**	**7FMIB**
Each	✚$285 00	✚426 00

Crated.

✚F. O. B. Michigan Factory Only.

TRUCKS
FOR MONARCH GASOLINE ENGINES

These trucks are strong, safe and reliable; built to meet the demand of the best trade.

Nos.	10PT	5TP
For engines, H. P.	1¾	3 or 5
Height wheels, ins	8	12
Wt each, lbs	40	120
Each	♦$9 90	♦24 45

Shipped loose.

ARM PUMP ENGINES
FULLER & JOHNSON

Complete equipment consists of clamps, gearing, steel connecting rods and cross head for connecting to the ordinary windmill pump standard. Includes steel battery box, batteries, coil switch and connecting wires, wrench, oiler, grease cups and accessories (**no pulley**).

No.	500
Revolutions per min. engine shaft	500
Speed of intermediate shaft	150
Pump strokes per minute	35
Length stroke, ins	5, 7½, 10
Shipping wt, lbs	375
Each	$243 00

Crated

Note—If pump is ordered with engine, specify depth of well and height to which water is to be lifted above pump, in order that we may determine size of cylinder required.

The farm pumping engine has an automatic oiling system for the piston. All bearings are lubricated with hard oil.

Speed of the main shaft is adjustable from 500 to 600 revolutions per minute. Speed of the jack shaft is 31 to 35 strokes per minute.

The governor is on the inside of the fly-wheel and the fly-wheel is extra heavy turned and then carefully balanced.

Ignition is by dry cells working through a high grade vibrating spark coil and regular automobile spark plug. Magneto equipment can be furnished if desired.

All gears except the two operating the pump rod are machine cut and mesh perfectly and are enclosed in the crank case. The stroke of the pump can be 5, 7½ or 10 inches.

The pump can be used in winter or summer out of doors. The engine is air cooled and cannot freeze.

Manufacturers Guarantee.

1st. To be free from defective material and workmanship, and will replace at their factory, any parts proving defective within five years from date of purchase.

2nd. To pump water from a well of any depth which a windmill pump will handle.

3rd. To run any machine which is sold by its makers as a hand power machine.

4th. To run successfully if given reasonable care, kept properly lubricated and supplied with good, clean gasoline.

5th. To run smoothly, to start easily on the coldest days of winter and if kept properly oiled, to run continuously without overheating on the hottest days of summer.

6th. If the engine fails to fulfill the above guarantees, it will be replaced with a new one or money refunded.

7th. It is distinctly understood that under this guarantee they are not responsible for the successful operation of the engine if the instructions (furnished with the engine) are not followed, or for injury due to accidents, carelessness or abuse.

♦F. O. B. Michigan Factory Only.

FARM PUMP ENGINES
FULLER & JOHNSON

Pumping Capacity. The farm pump engine will pump any ordinary well as follows: Total head and corresponding size and capacity of pump cylinders at 35, 5 inch strokes per minute.

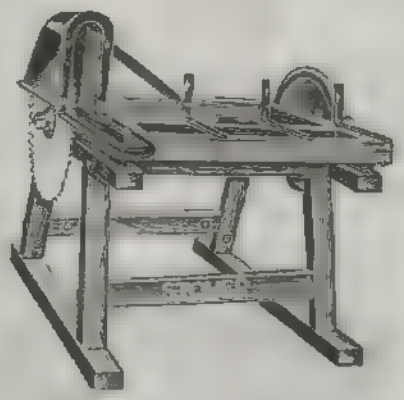
Total lift of water, Ft	Diam of Cylinder Ins	Water delivered, Gal. Per Hour
500	1⅝	65
400	1¾	95
275	2¼	170
200	2¾	240
175	3	290
125	3½	400
100	4	550
65	5	800
45	6	1150

If the water in the well is not as far from the surface or is not to be raised as high, so that the total lift is less than given in table, a stroke longer than 5 in. may be used, and the amount of water will be correspondingly increased, provided the work done is within the capacity of the engine. For example, if the cylinder used is 4 inch diameter and the total lift only 50 ft., the 10 inch stroke may be used and the capacity would be increased to 1100 gallon per hour.

Pulleys. If pulley is desired, give size and specify whether flat or crown face is wanted

Flat belt pulley for intermediate or slow speed shaft, ins.	These pulleys fit on in place of the cap on crank side of flywheel	
	Flat belt pulley, ins	Round belt pulley, Diam, ins
3x2¼	3x3	2
4x2¼	4x3	4
5x2¼	5x3	6
6x2¼	6x3	8
	7x3	

WOOD SAWING MACHINES
STOVER



Wood Frame with Sliding Table.

Seasoned hardwood frame, mortised, bolted and braced. The saw arbor or shaft is a piece of lathe turned steel 4 ft. 4 in. long and 1⅝ inches diameter. It is turned down to 1⅜ inches for the saw blade, and to 1 7/16 inches for the balance wheel, pulley and boxes. Boxes are swivel type, well babbitted, dust proof, non-heating, self- adjusting to compensate for wear or shrinkage, and have large oil chambers.

The table has anti-friction iron rollers on the under side, which permit it to slide easily and with minimum friction over a metal track that is bolted to the frame. A roller at one end of the table is a great help in handling long poles. Frame equipped with a saw guard. Each

No. 7—Without blade; takes blades from 20 to 30 ins in diam; pulley 5x6 ins; speed 1000 to 1500 R. P. M.; power required to operate 2 H. P. gasoline engine or electric motor; distance between balance wheel and blade 3 ft 6 ins. ♦$85 05

Shipping wt each 351 lbs.

Note—For circular saw blades see Dept. 1.

♦F. O. B. Illinois Factory Only.

TRIPLE STITCHED SEAMS THROUGHOUT
PROPERLY SIZED WIDE SHAPED COLLAR
YOKE BACK AND SHAPED SHOULDERS
LARGE ROOMY ARMHOLES
TWO GENEROUS BUTTON THROUGH POCKETS
LIBERAL ELBOW ROOM
AMPLE SLEEVE LENGTH
SLEEVE FACING PREVENTS RIPPING
WIDE CUFFS
LARGE BODY DIMENSION 42 to 52 inches

TRIPLE STITCHED MONEYSWORTH! WORK SHIRTS

"Moneysworth" Shirts are not like ordinary shirts—they're much more comfortable, because extra fullness is put where it is needed.

Jumbo Sized—Scientifically Cut

A different shoulder slope, wider body, correct sizes and curved armholes give perfect freedom of movement. "Moneysworth" shirts will not pull out at the belt line because they are properly proportioned.

"Moneysworth" shirts have triple stitched shoulders, armholes, side seams and sleeves, 2 large buttoned-through pockets, full yoke, double stitched sleeve facing, matched buttons, 4 button front. Made from closely woven long wearing materials. ½ doz. in carton. Your own selection of sizes, any quantity. STATE SIZES.

"Moneysworth" Shirts Come in these Styles

Chambray, 4 Button Front
Finished 42 to 52 in. wid. 34 in. long. Regular sizes 14½ to 17
8D8800 Blue heavy chambray, 8D8801 Blue fine chambray, 8D8802 Gray heavy chambray — Doz **$8.50**

Stifel's Polka Dot, 4 Button Front
8D8803—Finished 42 to 52 in. wide, 34 in. long. Blue ground with white polka dots. Regular sizes 14½ to 17. Doz **$9.00**

Khaki Drill, 4 Button Front
8D8811—Finished 42 to 52 in. wide 34 in. long. Regular sizes 14½ to 17. Doz **$9.00**

Coat Style Shirt
Finished 42 to 52 in. wide, 34 in. long. Regular sizes 14½ to 17
8D8808—Fine blue chambray. Doz **$9.00**

Extra Sizes Chambray, 4 Button Front
8D8810—Finished 54 to 57 in. wide, 34½ in. long. Blue heavy chambray, extra sizes 18½ to 19. Doz **$9.50**

MEN'S WORK SHIRTS

READ THE **SPECIFICATIONS** — All have full yoke back and faced sleeves, and unless otherwise specified, have 1 pocket, 4 button front, double stitched throughout including cuffs and facing and are finished 44, 46 and 48 in. wide and 34 in. long. All chambray shirts are yarn dyed and fast color. — THEN NOTICE THE PRICES

Medium Blue Chambray
8D2140 — "Arkwright" chambray, MEDIUM BLUE. Fast color. Plain stayed sleeves. Fine shirting. 44, 46 and 48 in. wide, 34 in. long. Assd sizes 14½ to 17. 1 doz. in pkg. Doz **$6.40**

Medium Wt. Blue Chambray
8D2362 — "Celtex," medium chambray, MEDIUM BLUE, matched horn buttons. Assd sizes 14½ to 17. 1 doz. in pkg or solid sizes in any quantity. SPECIFY SIZES. Doz **$7.00**

"Golden Rule" Chambray Shirts
In Blue and Gray

"Golden Rule" chambray is recognized nationally as the best 4.40 wt. heavy yarn chambray on the market.

Heavy Chambray

"Golden Rule" 4.40 wt., heavy yarn dyed woven chambray, fast color. Assd. sizes 14½ to 17. 1 doz. in pkg. or solid sizes in any quantity. SPECIFY SIZES.
8D5422—MEDIUM BLUE. Doz **$7.37½**
8D5423—GRAY. Doz **7.37½**

Khaki Shirting
8D2370—Khaki shirting, good quality, matched buttons. Assd sizes 14½ to 17. 1 doz. in pkg. or solid sizes in any quantity. SPECIFY SIZES. Doz **$7.65**

Polka Dot Drill
8D2091—Polka dot drill, INDIGO BLUE with polka dots, fast color. Assd sizes 14½ to 17. 1 doz. in pkg. or solid sizes in any quantity. SPECIFY SIZES. Doz **$8.00**

"Union Mechanic"
8D5428—Fine chambray, MEDIUM BLUE, continuous sleeve facing, 6 button coat style. Finished 42 to 51 in. wide, 33½ to 34 in. long. Sizes 14½ to 17 will fit, or your asst. SPECIFY SIZES. ½ doz. in pkg. Doz **$9.00**

"Hong Kong" Khaki Twill
8D2163 4 yd. twill, coat style full length center pleat, full yoke, 2 buttoned-through pockets, 6 button front, double stitched felled seams except cuffs and facing. Solid sizes 14½ to 17. ½ doz. in bag. Doz **$9.00**

Black Sateen
8D2371 Black sateen, black stitching, pearl buttons, double yoke, open neck, collar band. Assd sizes 14½ to 17. 1 doz. in pkg. or solid sizes to any quantity. SPECIFY SIZES. Doz **$8.75**

"BIG YANK" WORK SHIRTS

Nationally Advertised — The Shirts With 6,000,000 Friends

Head and shoulders above the crowd. Made by the largest manufacturers of work shirts in America—the "Reliance" Mfg. Co. Oversize all over—they're made big for comfort and wear and they've the snappy style of loose easy fit. National advertising and true worth have created a demand from one end of the country to the other. That's why "Big Yanks" are so easy to sell.

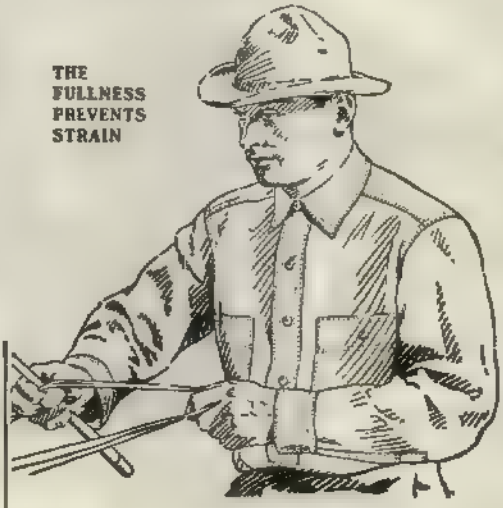
Full yoke back, faced sleeves. 4 button front.

Matched horn buttons. 2 button-through pockets.

Double stitched throughout, including cuffs and facing. Solid sizes. SPECIFY SIZES.

8 GREAT FEATURES

1. Big, oversize, curved armholes.
2. Extra wide elbows.
3. Form-fitting, sloped shoulders.
4. Cuffs wide and extra long.
5. Reinforced faced sleeves.
6. Reinforced front opening.
7. Wide, perfect-fitting collar.
8. Big pockets, double cloth reinforced.



"Big Yank" FINE QUALITY Chambray

Regular Sizes—14½ to 17

Finished 42 to 52 in. wide, 34 in. long. Solid sizes. Specify sizes. ½ doz. in carton.

MEDIUM BLUE—

8D151—Heavy chambray..... Doz $8.50

8D101—Fine chambray..... Doz $8.50

12 or 26 doz in case F. O. B. Columbus, Ind. Doz $8.12½

GRAY

8D113—Heavy chambray..... Doz $8.50

12 or 26 doz in case F O B Columbus Ind Doz $8.12½

Extra Sizes—17½ to 19

Finished 54 to 57 in. wide, 34½ in. long. Solid sizes. Specify sizes. ½ doz in carton

MEDIUM BLUE—

8D151X—Heavy chambray..... Doz $9.50

8D101X—Fine chambray..... Doz $9.50

12 doz in case F O B Columbus, Ind. Doz $8.10

"BIG YANK" JUNIOR
Polka Dot "Stifel"

Cut very large and gives the boys plenty of room for action. Cut full in the armholes, sleeves and across shoulders.

8D168X—"Stifel" polka dot indigo blue drill shirting, finished 38½ to 42 in wide, 28 to 30 in long. Solid sizes 12½ to 14½. SPECIFY SIZES. ½ doz in "Big Yank Junior" carton Doz $8.25

"Big Yank" Khaki Twill

8D175—Finished 42 to 52 in. wide, 34 in. long. Solid sizes 14½ to 17. SPECIFY SIZES ½ doz. in carton Doz $9.00

12 or 26 doz in case F O. B. Columbus, Ind Doz $8.62½

"Big Yank" Polka Dot Stifel

8D168—Finished 42 to 52 in. wide, 34 in. long. Solid sizes 14½ to 17 SPECIFY SIZES. ½ doz. in carton Doz $9.00

12 or 26 doz. in case F O. B Columbus, Ind. Doz $8.62½

"BLACK BEAUTY"
SATEEN SHIRT

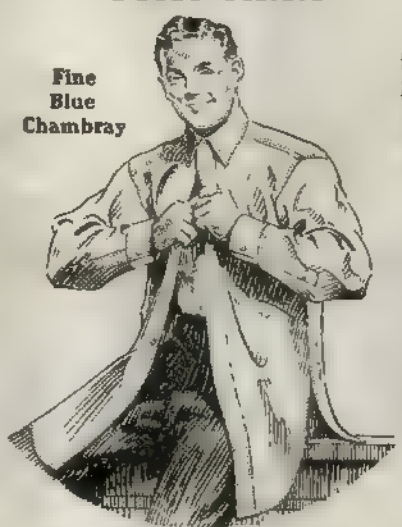
The Super Quality Sateen Shirt

8D2580—Fadeless, perspiration-proof black sateen, full yoke back faced sleeves 4 button front, 1 pocket, triple stitched, white pearl buttons, full fashioned, curved armholes, reinforced seams. Finished 44, 46 and 48 in wide, 34 in long Solid sizes 14½ to 17 SPECIFY SIZES. ½ doz. in carton Doz $9.00

12 or 26 doz. in case F O. B. Michigan City Ind Doz $8.62½

"BIG YANK"
COAT SHIRT

Fine Blue Chambray

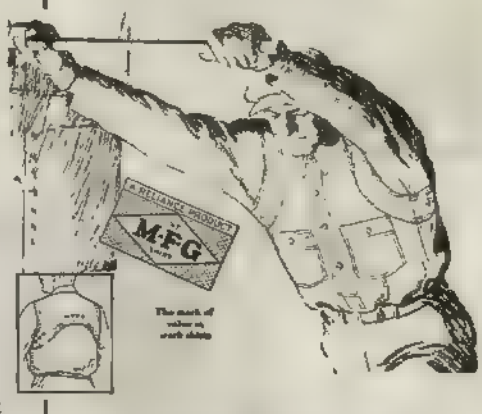


On and Off in a Jiffy

8D40—Fine blue chambray full yoke back faced sleeves, coat style, 2 button-through pockets, double stitched throughout, including cuffs and facing, matched horn buttons, large armholes Finished 42 to 52 in wide ¼ in long Solid sizes 14½ to 17 SPECIFY SIZES ½ doz. in carton Doz $9.00

12 or 26 doz. in case F O. B. Columbus, Ind Doz $8.62½

THE M-F-G SHIRT
THE MILTON F. GOODMAN SHIRT



Aristocrat of Work Shirts

Specially woven materials deep reinforced yoke, button on sleeve to ing 4 button front, 2 button-through pockets, triple stitched and reinforced, white pearl buttons, reinforced front, lined cuffs, large roomy armholes Finished 46 to 50 in. wide, 35 in long. Solid sizes 14½ to 17 SPECIFY SIZES. ½ doz. in carton.

8DG11—Extra heavy blue chambray.

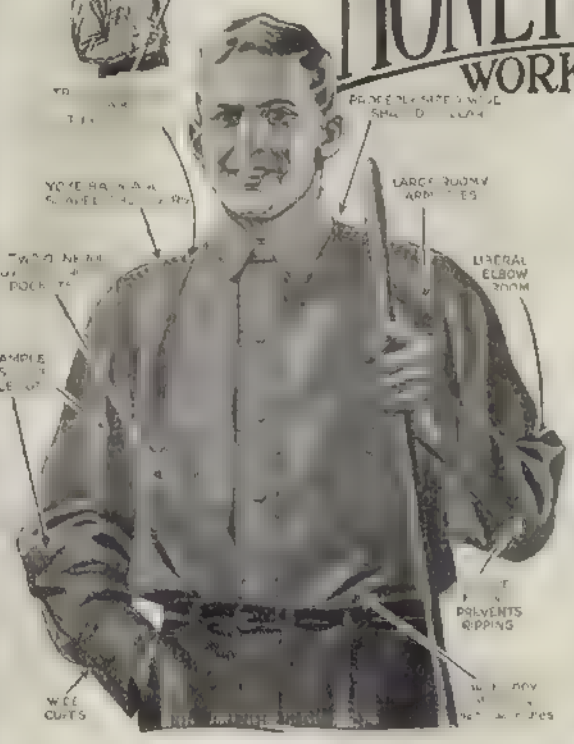
8DG18—Extra heavy gray chambray

8DG29—Fine quality khaki jean . . Doz $16.50

6 doz. in case F O. B Bedford, Ind. Doz $15.50

TRIPLE STITCHED MONEYSWORTH WORK SHIRTS

TRIPLE STITCHED



TRIPLE STITCHED

"Moneysworth" Shirts are not like ordinary work shirts—they're much more comfortable, because extra fullness is put where it is needed. A different shoulder slope, wider body, correct sizes and curved armholes give perfect freedom of movement. They're jumbo sized and scientifically cut!

"Moneysworth" shirts are made with triple stitched shoulders, armholes, side seams and sleeves. 4 button front, 2 large buttoned-through pockets, full yoke, double stitched sleeve facing, matched buttons.

Packed ½ doz. in attractive "Moneysworth" carton. Your own selection of sizes. Any quantity. STATE SIZES.

"Moneysworth" Shirts are Made in these Styles:

"Moneysworth" Chambray

Regular Sizes
42 to 52 in. wide, 34 in. long. Sizes 14 to 17
8DM80 [illegible] heavy chambray.
8DM81 [illegible] fine chambray
Doz **$8.25**

Extra Sizes
44 to 52 in. wide, 34½ in. long. Sizes 17½ to 19
8DM19—Blue heavy chambray
8DM12—Blue fine chambray
Doz **$9.25**

"Moneysworth" Khaki Twill

8DM83—42 to 52 in. wide, 34 in. long. Sizes 14½ to 17
Doz **$8.75**

"Moneysworth" Stifel's Polka Dot

8DM85—Fast color indigo blue with white polka dots. 42 to 52 in. wide, 34 in. long. Sizes 14½ to 17
Doz **$8.75**

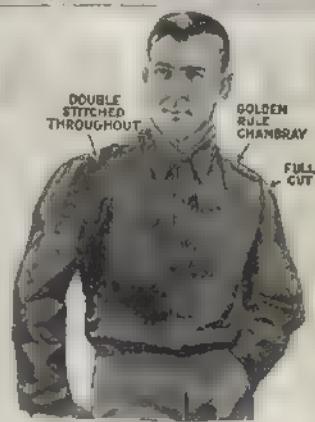
WORK SHIRT SPECIALS

We Sell More Work Shirts Than Any Other Jobber In the Country. There's Just One Reason—OUR VALUES ARE BETTER!

Finished 44, 46 and 48 inches wide 34 inches long

"Colfax" Chambray

8D2362—"Colfax," medium weight chambray, medium blue color. 4-button front full yoke back, one pocket, faced sleeves, double stitched throughout, matched horn buttons. Sizes 14½ to 17. Assorted sizes 1 doz in pkg, or solid sizes in any quantity by SPECIFY SIZES.
Doz **$6.95**

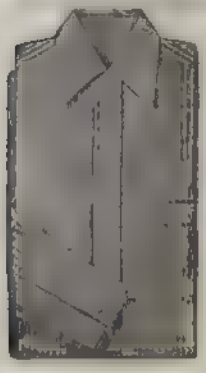


Blue or Gray Chambray

"GOLDEN RULE"—[illegible] heavy chambray, [illegible] 4 button front, full yoke back, [illegible] faced sleeves, [illegible] throughout, [illegible] Sizes [illegible] Assorted sizes 1 doz in pkg, or solid sizes in any quantity. SPECIFY SIZES.
8D3432 [illegible]
8D3433 [illegible]
$7.37½

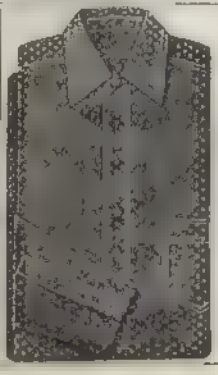
Khaki Shirting

8D2570—Closed [illegible] khaki shirting 4-button front, full yoke back, [illegible] faced sleeves, [illegible] matched buttons. Sizes 14 to 17. Assorted sizes 1 doz in pkg, or solid sizes in any quantity. SPECIFY SIZES.
Doz **$7.62½**



Heavy Fancy Chambray

8D3424—4.50 wt heavy fancy chambray, staple woven stripes on [illegible] ground, [illegible] in grounds. 4 button front full yoke back, one pocket, faced sleeves, [illegible] throughout. Sizes 14 to 17. Assorted sizes 1 doz in pkg, or solid sizes in any quantity. SPECIFY SIZES.
Doz **$7.75**



Stifel's Polka Dot

8D2091—[illegible] fast color indigo blue ground with white polka dots. 4 button front, yoke back, one pocket, faced sleeves, [illegible] throughout. Sizes 14 to 17. Assorted sizes 1 doz in pkg, or solid sizes in any quantity. SPECIFY SIZES.
Doz **$8.00**

Black Sateen

8D2531—Black sateen 4 button front, double yoke, one pocket, faced sleeves, [illegible] with [illegible] Sizes 14 to 17. Assorted sizes 1 doz in pkg, or solid sizes in any quantity. SPECIFY SIZES.
Doz **$8.75**

BOSS MECHANIC
TRIPLE STITCHED
OVERALLS

245 White Back Blue Denim Fast color indigo dye. 43½ yds. of denim to the dozen. Triple stitched and made with continuous fly and side openings to prevent ripping. 2-seam legs. All have 6 roomy pockets unless otherwise stated. Brass buttons, loops and castoffs, good, heavy pocketing. Red bar tacked at all vital points

"Boss Mechanics" are Made in These Styles

Railroad Back Overalls

8D4065—Regular sizes
(See size scale at bottom of page.)
Doz **$16.50**

8D4069—Extra sizes
(See size scale at bottom of page.)
Doz **$18.00**

Suspender Back Overalls

8D4066—Regular sizes
(See size scale at bottom of page.)
Doz **$16.50**

Band Overalls

8D4068—5 pockets, large "[illegible]" back strap with buckle.
Regular sizes. (See size scale at bottom of page.)
Doz **$16.00**

Coat to Match Above Numbers

8D4067—30 in. long, [illegible] Sizes 36 to 44. Asstd. sizes 1 doz. [illegible] or open stock in any quantity
Specify sizes
Doz **$16.50**

Junior Overalls

8D4076—Detachable suspender back, 5 pockets (2 front swinging, [illegible] watch and pencil). Sizes as follows:

Waist	26	27	28	29	30	31
Leg	28	26	27	28	29	30
	27	27	28	29	30	31
Approximate Ages	11	12	13	14	15	16

Asstd. sizes 1 doz. in colt or open stock in any quantity. SPECIFY SIZES
Doz **$14.25**

Coat to Match Junior Overalls

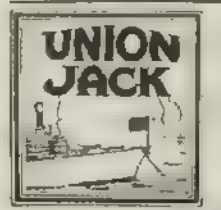
8D4077—Sizes 30 and 32. Open stock; sold in any quantity.
Doz **$14.25**

"Boss Mechanic" Overalls for Boys

5 pockets, 2 seam legs. Taped shoulder straps, crowed and stitched. Solid sizes. ¼ doz. in bund[illegible]

	Size	Doz
8D4101-4	4	$8.75
8D4101-5	5	9.12½
8D4101-6	6	9.50
8D4101-7	7	9.87½
8D4101-8	8	10.25
8D4101-9	9	10.62½
8D4101-10	10	11.00
8D4101-11	11	11.37½
8D4101-12	12	11.65
8D4101-13	13	12.12½
8D4101-14	14	12.50
8D4101-15	15	12.87½

UNION JACK



World's Best UNION MADE
OVERALLS

"Wearwell" 220 White Back Denim

Fast color indigo blue. 47¼ yds. of material to the dozen garments. Wide apron, 2-button side openings, 2-seam legs, 7 big pockets (2 side swinging, 2 hip, combination lock watch and pencil, set in change), 1¼ in. hammer loop. Brass "Union Jack" buttons, loops, and castoffs. Closely stitched tailored buttonholes.

Seven Big Features

1. "Wearwell" 220 wt. white back, indigo dyed Blue Denim.
2. Each size properly proportioned for greatest comfort.
3. Large hip pockets with patented double seam bottoms
4. Side pockets reinforced with heavy drill
5. 3 button fly with ripproof continuous facing
6. Strainproof suspender button tabs
7. Tacked at all vital points and double tacked at side openings

"Union Jacks" Are Made in These Styles

Railroad Back Overalls

8D5171—Regular sizes
(See size scale below.)
Doz **$21.00**

8D5172—Extra sizes
(See size scale below.)
Doz **$23.00**

Suspender Back Overalls

8D5173—Regular sizes
(See size scale below.)
Doz **$21.00**

8D5181—Extra sizes
(See size scale below.)
Doz **$23.00**

Coat to Match Above Numbers

31 in. long, 5 pockets, shaped cuff with extra eyelet for size adjustment, tailored buttonholes. Sold in any quantity. SPECIFY SIZES.

8D5174—Regular sizes 36 to 44.
Doz **$21.00**

8D5182—Extra sizes 46, 48, 50.
Doz **$23.00**

SIZES CALE
For Men's "Boss Mechanic" and "Union Jack" Overalls

Open Stock—Sold in Any Quantity—Specify Sizes

	Regular Sizes					
Waist	32	34	36	38	40	42
Leg	31	31	31	31	32	32
	32	32	32	32	33	33
		33	33	33	34	34
		34	34	34	35	
		35	35	35		

	Extra Sizes		
Waist	44	46	48
Leg	32	32	32
	33	33	33
	34	34	34

"Union Jack" Junior Overalls

8D5175 [illegible] style [illegible] button [illegible] seam legs [illegible] swinging [illegible] ed [illegible] [illegible] [illegible]

Moon brings out new four-door sedan at $1595

A new five-passenger four-door sedan at $1595 f. o. b. St. Louis has just been announced by the Moon Motor Car Co. The body of the new Moon four door Standard sedan is mounted on a regular Series A long wheelbase chassis, has four large doors and is finished in two tone Duco—dark blue below the belt with light blue above. The equipment of the new four-door Standard sedan includes four-wheel hydraulic brakes, new patented steering gear, especially designed for use with balloon tires which are standard on this car, vertical one-piece windshield sun visor integral with top, dome light and a new headlamp control lever mounted on top of the steering wheel column. The upholstery is done in haze blue corduroy, the floor being fully carpeted.

Flint Producing New Series

Flint Motor Co. is now in production on its new series B-forty models, and has added a sedan model to this line priced at $1580. The price on the improved touring car is $1285 and the brougham is priced at $1620.

New Reo Sedan at $1645

Reo Motor Car Co. is now shipping a new sedan type priced at $1645. The car conforms to the standard 20th Anniversary sedan model announced early in the year but carries additional equipment and refinements.

Overland adds a two-door sedan to 4-cylinder line

Willys-Overland announced the addition of the Standard Sedan at $655 f. o. b. Toledo, to its Overland four-cylinder line. The new body model is a sedan, upholstered in Bedford cloth and finished in blue, with deep beading, its color scheme resembling that of the regular all-steel four-door sedan. Both of the front seats of the new body have hinged backs which make it possible to convert the seat cushions into an emergency bed by removing the front cushions, laying seat backs forward, placing rear cushions on the floor between front and rear seats, and placing front cushion on rear seat.

POCKET COMPASSES

CEEBYNITE

Hunter style white metal case, heavy beveled crystal, jeweled center, aluminum floating dial, "S" and "N" points treated with a permanently luminous compound, which enables direction to be seen at night, dust and water tight.

Each

No. 2917—Diameter of case 1⅝ in., ½ in. thick, weight per dozen 1 lb. $3.75

One in a Box.

TELEWAY

Black bronzed brass case, fitted with ring at top, for fastening to chain or guard, heavy enameled card dial, accurately divided, and figured in the principal cardinal point, flat design needle, the north end pointing end being blued, jeweled center beveled crystal glass fits in case like a watch crystal.

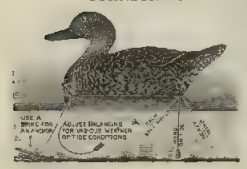
Each

No. 2905—Diameter of case 1½ in., ⅝ in. thick, weight dozen 1 lb. $0 75

One in a Box.

DECOY DUCKS

JOHNSON FOLDING PAPER



Bodies printed on heavy jute fibre board, thoroughly waterproofed and non-absorbent, light, compact and serviceable, can carry a dozen in coat pocket, bodies spread out by use of bottom or floating board which fits snugly in body of decoy when unfolded, 1 ounce pendulum weight attached to bottom board, full size, perfectly colored.

Per Dozen

Johnson's Mallard Complete with floats and sinkers, weight per dozen 6 lbs. $6.60

Extra Bodies Only—Without float or sinkers, weight per dozen 1 lb. 4.20

One Dozen in Two Canvas Bags, Half Male and Half Female.

FOLDING DECOY GEESE

JOHNSON'S

Made from tough jute fibreboard, better than that used in high-grade shot gun shells.

They are photographic reproductions of Canada geese, with spreading bodies held open by inserting triangle frame attached to heavy wire stake. Folds flat.

Per Dozen

Johnson's—Weight each 1 lb. $12.00

One Dozen in a Canvas Bag.

DECOY DUCKS

MOON BRAND CANVAS PNEUMATIC

Collapsible

Very light, waterproofed, the proofing used will not permit the canvas to break or crack. Furnished in mallards.

Per Dozen

Moon Decoy Ducks—Complete with cords and anchors, weight dozen 3½ lbs. $18.00

One Dozen in a Wooden Box, with Handle.

GOOSE DECOYS

MOON BRAND

Collapsible

Per Dozen

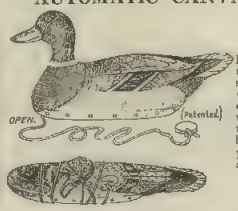
Moon Decoy Geese—Without anchor $30 00

Per Set

Extra Wire Legs—For use with above $

One Dozen in a Wood Box, with Handle.

AUTOMATIC CANVAS DUCKS



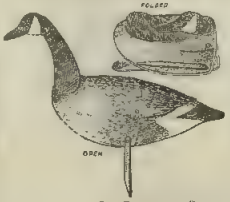
Open up automatically when anchor cord is unwound, pack in very small space, light in weight, easily collapsed, never fail to ride waves properly even if tossed in, not affected by stray shots, hand painted, complete with anchors and cord.

Per Dozen

No. 15M Mallard, weight dozen 18 lbs. $13.50

One Dozen, Six Male and Six Female, in a Neat Box, with Handle.

SURE-LURE CANADA GEESE



Entirely of sound wood, full size, painted to perfection, body in two parts and head and neck, folds very compactly, can be adjusted to many different positions, head upright or feeding, etc.

Per Dozen

No. 3 "Sure-Lure" geese decoy, weight per dozen 10 lbs. $17 50

One Dozen in a Carrying Case.

MOON

Spring Salon of New De Luxe Models

MOON distributors all over the country are holding a special spring salon at their respective salesrooms, May 16-23, inclusive.

Write or wire us as to the nearest place you can see this splendid exhibit. Learn why Moon dealers all over America are broadcasting a new story of motor car satisfaction.

It will also give us an opportunity to explain the quick-profit, quick-turnover plans that make Moon dealership highly profitable on a comparatively small capital.

All Moon cars have 6 cylinders, 4-wheel hydraulic brakes, balloon tires, patented steering gear, Duco finish.

MOON MOTOR CAR COMPANY, St. Louis, U. S. A.

New coach mounted on Jewett Six chassis.

New Jewett Coach

THE Paige-Detroit Motor Car Co. are bringing out a new coach model mounted on their Jewett Six chassis to sell at $55 more than open car prices. Unusual roominess has been the aim of the design, this body being of the same size as the sedan. Ample accommodations are allowed for five occupants with extra space for the carrying of packages in the tonneau. There are only two doors but they are 36 in. in width the layout of the front seats permitting rear seat passengers to leave or enter while the front seats are occupied. Large windows are to be found in the front and rear and the external appearance of the car is enhanced by a belt moulding and round upper corners on the rear. Cobalt blue Duco finish is used and is applied over a baked-on primer coat. Harmonizing with the color scheme of the car is a new blue-gray shade of upholstery material which is claimed to combine beauty and durability. All body joints are screwed as well as mortised and glued, this precaution making for body permanency and in addition every point where exposure might cause decay the wood has been painted with a water-proofing solution. The price has been set at $1260 f.o.b. Detroit, tax extra.

Refinements in Paige Brougham

Only minor changes have been made in the new five passenger Paige Brougham, the body following quite closely the original design introduced a little over a year ago. Rear quarter window of the reversed D type are used in place of the oval style formerly used. Zapon grey finish with black trimmings is now standard, this finish offering advantages of greater durability and permanency. An arm rest and a tassel to assist in entering and leaving the rear compartment are refining touches that have been incorporated. Other items of equipment that are included are four balloon cord tires, trunk, heater, snubbers, windshield wiper, dash gasoline gauge, all at $2195 f.o.b. Detroit, tax extra. Hydraulic four wheel brakes are optional at added cost. Mechanical refinements of the 1925 Paige were described previously in Automobile Trade Journal.

New Star Coupster

Durant Motors, Inc., Long Island City, N. Y., are bringing out a new closed model, mounted on the Star chassis, to be known as the "Coupster," which will list at $625 f.o.b. factory. It possesses many of the refinements of the advanced type of closed car, such as permanent top, glass rear window, clear vision, one-piece glass windshield, wide generously-upholstered seats, covered with durable gray Spanish artificial leather, enough leg room for tall men, side and ceiling in a good quality of gray cloth, flexible transparent door windows, instantly adjustable like a Pullman car curtain, that disappear within the top of the car when raised. A cowl ventilator provides fresh air without exposure to the weather. The lower portion of the body is finished in blue lacquer with a white stripe, upper portion in grained artificial leather. The radiator shell is nickeled.

FOOT BALL GOODS

HEAD HARNESS

Made of the finest grain leather, lined with best white felt; extra strong, well ventilated. Made extra long in back and affords a thorough protection for the base of the brain and is the best protection for the head now on the market. Adjustable to fit any size head. Endorsed by the leading universities and colleges.

Per Doz

No. 0—Wt per doz 15 lbs ..... ✣$158 40

One in cardboard box

MORRILL NOSE MASKS

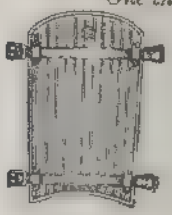
Made of finest rubber, no wire or metal used. Has become a necessity on every foot ball team and affords absolute protection for the nose and teeth. Elastic head strap.

Per Doz

No. 0—With adjustable mouthpiece $19 80

One in carabord box.

SHIN GUARDS



Men's size; well padded, cane ribs, long leather straps.

Per Doz

No. 6—Brown canvas $49 50

No. 8—Soccer guard; brown canvas, worn under stocking 31 65

Packed loose; wt per doz pairs 6 lbs.

REFEREE'S WHISTLES

Nickel plated heavy metal whistle for basket ball, foot ball, etc.

Per Doz

No. PW—Wt per doz ¾ lb $13 20

One doz in cardboard box.

MORTON SUPPORTERS

Improved; made of best quality canton flannel, lace front placket, shaped waist; very effective; cool and pleasant to the wearer.

Per Doz

No. 1—Waist sizes 26 to 40 ins; wt per doz 2 lbs ... ✣$18 00

One doz in cardboard box.

RAWLINGS' SUPPORTERS

All Elastic.

Made from specially woven fabric of best grade Egyptian cotton and pure Para rubber. 13 inch elastic waist band; special deep crotch features.

Per Doz

No. 5—Waist sizes 26 to 40 ins.; wt per doz 2 lbs ..... ✣$21 75

REACH SUPPORTERS

All elastic; made of best grade material. Can be cleaned by boiling without injury to the rubber.

Furnished in 3 sizes; small to fit waist 22 to 28 inches; medium, 30 to 38 inches; large 40 to 48 inches.

Note—Give waist measurement when ordering.

Per Doz

No. 34X—Wt per doz 2 lbs $16 50

One doz in cardboard box

✣Head Harness—F. O. B. Pennsylvania, Factory Only.

✣Supporters—F. O. B. Missouri, Factory Only.

FOOT BALL GOODS

BIKE SUPPORTERS

Clean, Comfortable, Porous, Elastic. No Buckles.

Furnished in three sizes; small to fit waist 22 to 28 inches; medium 30 to 38 inches; large 40 to 48 inches. Give waist measurement when ordering.

Per Doz

No. 50—Elastic; made of mercerized cotton, interwoven with covered rubber thread $22 05

No. 51—Elastic; made of specially woven fabric; best grade of cotton thread used; waist band made of one continuous piece 15 75

One doz in cardboard box; wt per doz 3½ lbs.

BIKE WRIST BANDAGES

Per Doz

No. 69 Elastic; made of cotton thread, interwoven with covered rubber thread $6 30

Packed loose; wt per doz about 1 lb.

BIKE KNEE BANDAGES

Per Doz

No. 61—Elastic; made of cotton thread, interwoven with covered rubber thread $15 75

Packed loose; wt per doz about 2 lbs.

BIKE ANKLE BANDAGES

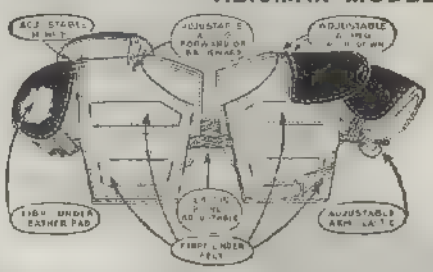
Per Doz

No. 67—Elastic; made of cotton thread, interwoven with covered rubber thread; covers the foot except the toes and heel $15 75

Packed loose; wt per doz about 1¾ lbs.

SHOULDER PADS

HEISMAN MODEL



Adjustable to any size. Made with two-plys o heavy white felt with sections of hard fabric between to protect the shoulder blades and collar bone. Heavy russet leather moulded shoulder cap with moulded hard fabric between the felt and leather; heavy curved sole leather shoulder piece to protect the bone process on shoulder. The shoulder caps are laced to the pads and are adjustable. Heavy elastic bands hold the pad together, making it adjustable; elastic web passing through rubber tubing under the arms prevent chafing.

Each

No. E5—Wt each 1 lb ..... ✣$21 75

One in carton.

COLLEGE MODEL

Made of finest white felt; covered with heavy tan strap leather which extends over moulded fibre shoulder caps. Caps joined to pad with leather hinge. The lacing feature prevents metal eyelets from coming in contact with wearer.

Each

No. C3—Wt each 1 lb ..... ✣$13 20

One in carton.

✣F. O. B. Missouri, Factory Only.

SHOULDER PADS

Made of good grade felt; covered with tan colored duck; reinforced with pebble leather at collar bone; moulded shoulder caps of felt covered with duck.

Each

No. 48—Wt each ¼ lb ..... ✦$6 00

One in carton.

Made of best wool felt and covered with select tan color leatherette; strongly sewed with quilt stitching; moulded sole leather shoulder pieces; elastic shoulder bands.

Each

No. 45X Wt each ¾ lb ..... ✦$12 00

One in carton.

Made of heavy gray felt; reinforced at shoulder blade and collar with specially designed fibre pieces; moulded fibre shoulder caps.

Each

No. 49—Wt each 1 lb ..... ✦$7 50

One in carton.

FOOT BALL CLOTHING

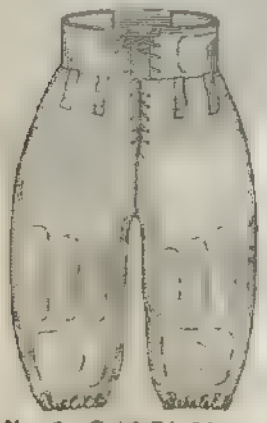
PANTS

When ordering be sure and state waist measurement and length of inseam from crotch to six inches below the knee.

Made of 8 oz. olive army duck; white felt hip and kidney pads, reinforced with flexible fibre around waist of kidney pad; felt padded back center piece; white felt hip pads; thigh guards inserted in pockets and made of three sections flat fibre covered with canvas, backed with felt. Felt lined moulded sole leather knee caps; adjustable. Double felled and sewn seams throughout.

Per Pair

No. 0—Wt per pair about 5 lbs ..... ✦$31 50



PANTS

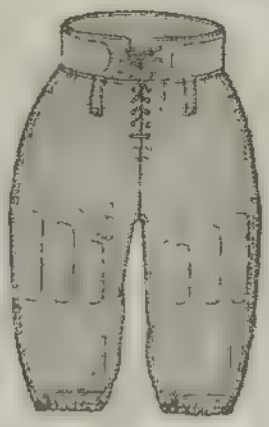
Made from best quality 8 oz. army duck. Finest white felt hips and kidney pads, reinforced with flexible fibre. Kidney pad covered with duck. Oval shaped flexible fibre pieces covered with drill on hip pads. Wide olive color web elastic, joins kidney pads. Reinforced spine protector with felt and duck. Three pieced flat fibre thigh guards with 3 inch elastic bands on inside to hold thigh guards snug to leg. Adjustable felt knee pads with leather at vital points. Leather reinforcement at crouch and bottom of fly worked eyelets. Extra strong braided lace.

Per Pair

No. 1—Cut full in hips and properly shaped in legs .. ✦$26 40

✦F. O. B. Missouri Factory Only.

FOOT BALL CLOTHING

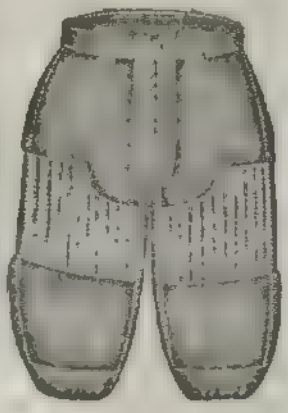


PANTS

Made of selected olive 8 oz. duck, heavy weight. Gray felt kidney and hip pad. Kidney pad extends completely around waist and reinforced with flexible fibre. Covered with Khaki cloth. Three piece flat fibre thigh guards.

Per Pair

No. 7-00 -Adjustable felt knee pad with leather cap ..... ✦$17 25

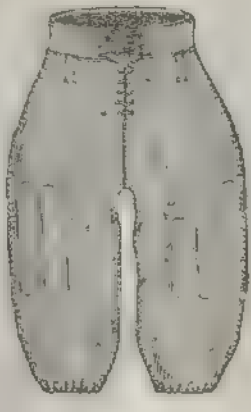


PANTS

When ordering be sure and state waist measurement and length of inseam from crotch to six inches below the knee.

Per Pair

No. 3½T—Men's tan drill, padded hips and knees, cane thigh guards..... ✦$8 25



PANTS

Made of best quality 8 oz. duck olive color. Kidney pads gray felt covered with 8 oz. olive duck. Hips well quilted, with mattress felt, in pocket of drill. Padding will not shift. Three piece flat fibre reinforced thigh guards with knees padded like hips. Per Pair

No. 4—Prep scool special .. ✦$12 00

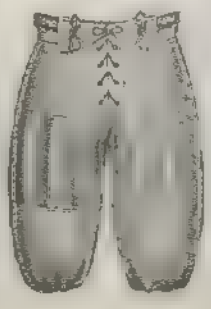
PANTS

When ordering be sure and state waist measurement and length of inseam from crotch to six inches below the knee.

Made of best grade tan khaki cloth; well padded at hips and knees; thigh pads reinforced with 3 piece curved flexible fibre piece.

Per Pair

No. 12-0K—Wt per pair about 5 lbs ..... ✦$8 70

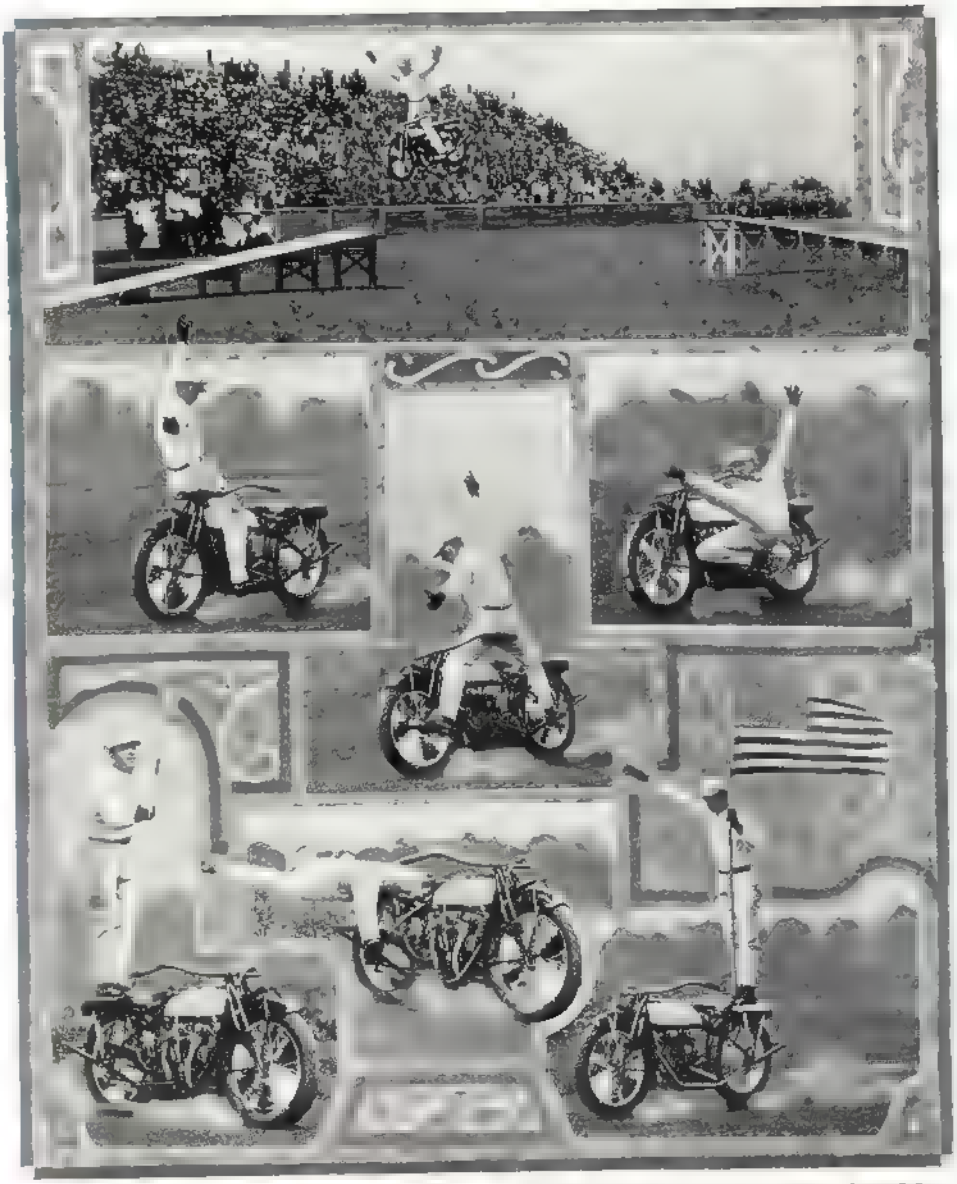


✦F. O. B. Missouri, Factory Only.

A MOTORCYCLE REVELATION

"Fearless" Good

A LIBERAL EDUCATION FOR SPEED FANS



All Stunts Pictured—and Many More—are in the Daily Dozen New Gambles with the Grim Reaper

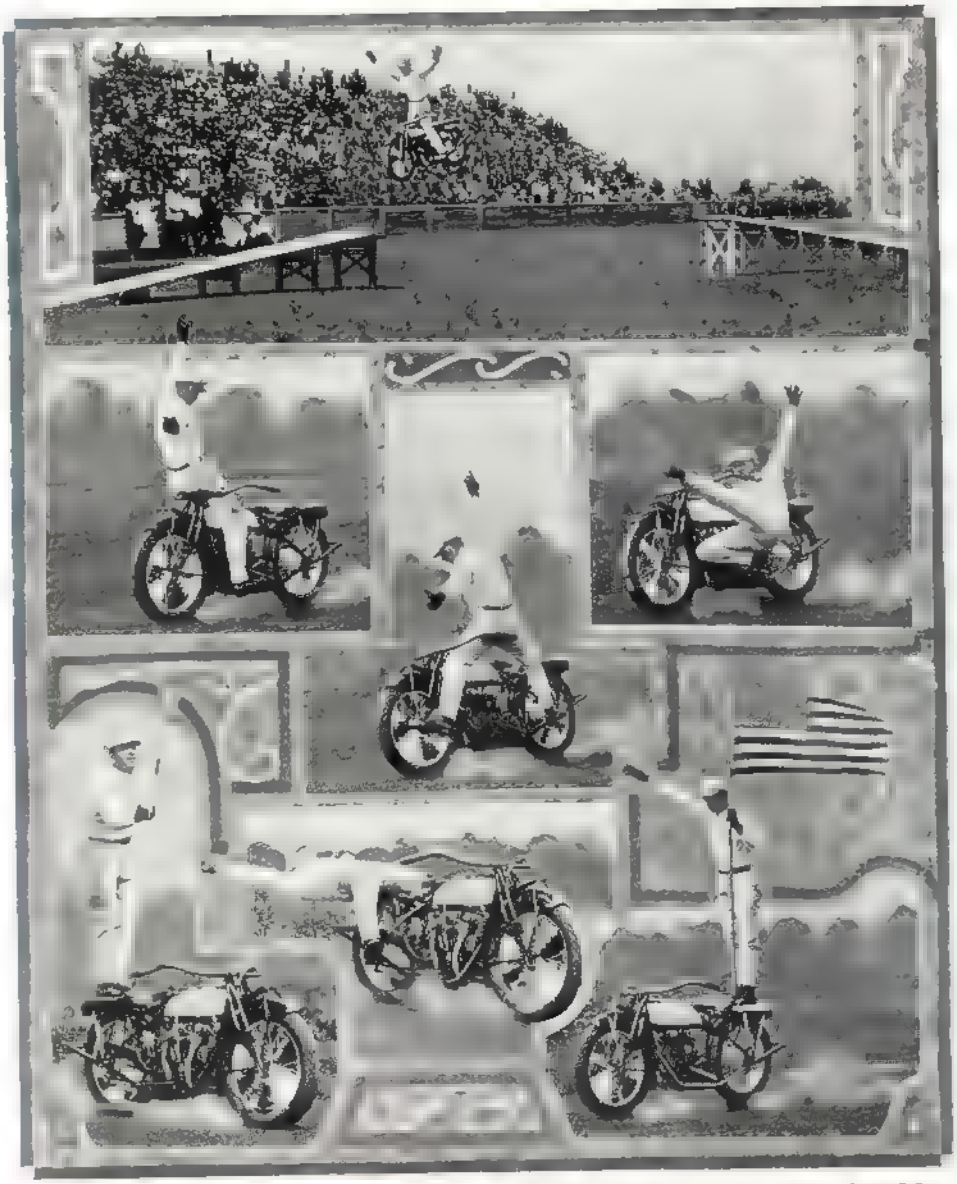
AN UNUSUAL GRAND STAND THRILLER

Everything Carried Complete—Nothing for You to Furnish

A MOTORCYCLE REVELATION

"Fearless" Good

A LIBERAL EDUCATION FOR SPEED FANS



All Stunts Pictured—and Many More—are in the Daily Dozen New Gambles with the Grim Reaper

AN UNUSUAL GRAND STAND THRILLER

Everything Carried Complete—Nothing for You to Furnish

WORLD AMUSEMENT SERVICE ASSOCIATION Inc.
ECONOMY SERVICE CO-OPERATION

AMERICA'S GREATEST FAIR ATTRACTION

Fink's Comedy Mules

A Real One Ring Animal Circus

Introducing Mules, Ponies, Dogs and Monkeys

THE FASTEST ANIMAL ACT IN EXISTENCE

Has Played More Fairs and Given Greater Satisfaction
Than Any Act In Show Business

No Artist With Pen Nor Photographer Can Do Justice to this Attraction

Can Be Used as a Special Feature For Children's Day

GREATEST of all LAUGHING ENTERTAINMENTS

EVERY ACT *IN THIS CATALOG CONTROLLED EXCLUSIVELY*
BY **WORLD AMUSEMENT SERVICE ASSOCIATION, Inc.**
"SERVICE and SATISFACTION"

MOTO-METERS

BOYCE, New Midget Model.

Black dial, polished nickeled frame; beveled crystals both front and rear. Especially designed for use on small cars. Complete with necessary washers and nut for attaching.

		Each
No. A-11M -Diam 2¼ ins; height over all 4¼ ins	7 89	*$3 50*

One in cardboard box, 10 in carton; wt each ¼ lb.

BOYCE NEW MIDGET MODEL, BEARING SPECIAL NAME PLATES

Black dial, polished nickel frame; beveled crystals both front and rear. Especially designed for use on small cars. Complete with necessary washers and nut for attaching. Diameter 2¼ inches; height over all 4¼ inches.

		Each
No. A-50MC—Chevrolet	7 89	*$3 50*
No. A-51MS—Star	7 89	*3 50*
No. A-52MM—Maxwell	7 89	*3 50*
No. A-53MO—Overland	7 89	*3 50*
No. A-54MF—Ford	7 89	*3 50*

One in cardboard box, 10 in carton; wt each ¼ lb.

BOYCE, New Model For Ford Cars.

Black dial with board thermometer tube; polished nickeled frame mounted on special Ford radiator cap; beveled crystals both front and rear.

		Each
No. A-12F—Diam 2½ ins; height over all 4¼ ins	9 00	*$4 00*

One in cardboard box, 10 in carton; wt each ¾ lb.

BOYCE, Junior Model.

This model is extremely handsome in appearance, and appeals strongly to owners of medium cars.

The temperature range is from 32 degrees freezing to 212 degrees boiling, and the thermometer tube is protected against any possibility of breakage by two metal ribs.

Polished brass frame with black dial. Complete with necessary washers and nut for attaching.

		Each
No. A-8JM Diam 8 ins; height over all 4" ins	11 25	*$5 00*

One in slide top wood box; wt each 1½ lb.

MOTO-METERS

B 10

BOYCE, Aristocrat.

Black dial, polished nickeled frame; beveled crystals both front and rear.

Equipped with special Schlaich lock cap, and washer or gasket. When properly placed between filler neck and cap while installing eliminates the escape of steam. Cross bar with crystals at either end under which, initials or fraternal insignias may be shown.

Height 4 5/16 inches; length over all 7¼ inches.

Note—Post card packed with each instrument on which are listed a variety of initials, fraternal insignias, club emblems. Any two of these dials will be supplied free of charge when mailed to the manufacturer.

		Each
No. A-13A—For Ford cars	15 75	*$7 00*

Complete With Insert.

No. A-14A—For Chevrolet cars	16 88	*7 50*
No. A-15A—For Star cars	16 88	*7 50*
No. A-20A—For Overland cars	16 88	*7 50*

One in cardboard box; wt each 2 lbs.

BOYCE, Universal Model with Special Car Design Name Plate.

Black dial, polished nickeled frame; beveled crystals both front and rear; complete with necessary washers and nut for attaching. Diameter 3 inches; height over all 5 inches.

		Each
No. A-10UD—For Dodge cars	16 88	*$7 50*
No. A-11UB—For Buick cars	16 88	*7 50*
No. A-12US—For Studebaker cars	16 88	*7 50*
No. A-13UN—For Nash cars	16 88	*7 50*
No. A-14UC—For Chevrolet cars	16 88	*7 50*
No. A-16UH—For Hupmobile cars	16 88	*$7 50*
No. A-17UO—For Oldsmobile cars	16 88	*7 50*
No. A-18UO—For Oakland cars	16 88	*7 50*
No. A-19UM—For Maxwell cars	16 88	*7 50*

BOYCE, Universal Model without Special Name Plate.

		Each
No. A-9UM—Wt each 12 ozs	16 88	*$7 50*

One in cardboard box.

MOTO-METERS

BOYCE, Overland, Willys Six and Willys-Knight Cars.

Designed especially for Overland cars having an oval radiator cap.

No. A-2JMO—Junior Model. Polished brass frame with black dial; diam 3 ins; height over all 4⅞ ins ..... Each 11 25 *$5 00*

No. A-3UMO—Universal Model. Polished nickel finish frame with black dial; diam 3 ins; height over all 5 ins 16 88 *7 50*

One in cardboard box; wt each 1 lb.

BOYCE, Standard Model.

Because of its perfection of finish and high degree of workmanship this model has been selected as regular equipment on America's leading cars.

Diameter 3⅜ inches; height over all 5½ inches. Complete with necessary washers and nuts for attaching.

No. A-6NSM -Nickel plated frame, black dial ..... Each 22 50 *$10 00*

One in cardboard box; wt each 1¼ lbs.

BOYCE, De Luxe Model.

Equipped with No. A-¾ ML lock.

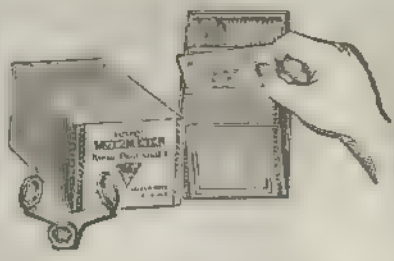
Designed for high-grade passenger cars. The case is silver plated, the finish of the entire instrument is of the highest quality of workmanship.

When ordering for Lincoln car specify Lincoln type.

No. A-7DM -Black dial; diam 3⅜ ins; height 5¾ ins ..... Each 33 75 *$15 00*

One in cardboard box; wt each 1¼ lbs.

MOTO-METER REPAIR PART OUTFITS



BOYCE

Outfit consists of different parts packed in individual containers, each properly marked with the contents and list price of each part.

Each outfit contains the following parts:

12—Beveled crystals.
3—Retaining rings for Standard and DeLuxe.
2—Retaining rings for universal
6—Gaskets for Standard and DeLuxe.
3—Gaskets for universal.
3—⅝ inch brass nuts.
3—7/16 inch brass nuts.
2—¾ inch brass nuts.
3—⅝ inch lock washers.
3—7/16 inch lock washers.
2—¾ inch lock washers
3—⅝ inch flat steel washers.
3—7/16 inch flat steel washers.
2—¾ inch flat steel washers.
3—⅝ inch large rubber washers.
3—⅝ inch small rubber washers.
3—7/16 inch large rubber washers.
3—7/16 inch small rubber washers.
2—¾ inch large rubber washers.
2—¾ inch small rubber washers.
24—1/28 retaining ring screws.
24—3/48 retaining ring screws.
12—1/28 screws for Midget, Junior, Truck and Tractor.
3—Celluloid discs.
3—Overland plug screws.
3—Overland stem screws.
2—Sets of special Cadillac and Lincoln washers.
1—Boyce moto-meter wrench.

No. A-47—Complete as described ..... Each +$16 50

One outfit in cardboard box; wt per outfit 3⅜ lbs.

+F. O. B. New York Factory Only.

HARTFORD TIRES

"The highest standard for quality."

Men's Strong Leather Hi-cuts

Munson Army Last Famous for Wear Comfort and Value

Read "How to Order" on Page 230

Every Pair of Our Hi-cuts Is Cut on Liberal Full Fitting Patterns and Made Over the Munson Army Last

2041

16-Inch Hi-cut—Goodyear Welt

Made of 16-inch extra heavy brown chrome retan leather, of the carefully tanned kind that wears long and keeps soft and pliable in all weathers. Has extra heavy Goodyear welt soles. With full Munson last toe. Goodyear welt leather insole with white rubber rib heel. Medium weight.

SIZES: 6 to 11. Wide width.

State size wanted

24 C 2045 ..... $6.79

Postage, 16c extra

16 Inch Moccasin Toe—Goodyear Welt

This solid rather heavy welt stand more hard service than many for which you would expect to pay a lot more money. They're comfortable after some genuine breaking in. Made of tough, durable and solid leather boot. Heavy soft brown elk leather uppers. Chewing Russia calf reinforced all over feet.

SIZES: 6 to 11. Wide width

State size wanted

24 C 2028 ..... $6.98

Postage, 16c extra

Ward's Hi-cuts Wear Longer

1. Chrome Veal Russia Army Leather
2. Counterlined Counter
3. Standard Rubber Heel
4. Smooth Leather Insole
5. Oak Leather Soles, Calendar Welt

Dry-Rot Welt

$7.89

18-Inch Goodyear Welt Hi-cuts Brown or Smoked Elk Leather

These are 18-inch Hi-cuts that have the wear of a heavy Goodyear welt sole. Full leather soles and counters. Heavy leather welt. Full leather insole and counter. Extra pair of strings.

State size wanted

24 C 2042 ..... Brown Elk Width C 6 to 11 ..... $7.89

D 6 to 12

24 C 2041 ..... Brown Elk Width D 6 to 12. Wide width 7.89

SIZES: 6 to 12. Wide width

Postage, 16c extra

$3.98

Men's and Boys'

Munson Last Service Shoe

A shoe for every day. Boys' shoes are made with the best quality of leather. Soles are of heavy oak leather. Uppers are of heavy brown chrome retan leather. Has full Munson last toe. Medium weight.

State size wanted

24 C 2585 ..... For Men, sizes 12 Wide, 6 to 11 ..... $3.98

24 C 2586 ..... For Boys 2.98

Postage, 16c extra

18-Inch Hi-cut

Made of heavy brown chrome retan leather. Has full Munson last toe. Heavy leather welt soles. Full leather insole and counter. Extra pair of strings.

SIZES: 6 to 12. Wide width

State size wanted

24 C 2051 ..... $2.98

Postage, 16c extra

Three Great Values at Our Prices

14-Inch Hi-cut

Made of heavy brown chrome retan leather. Has full Munson last toe. Heavy leather welt soles. Full leather insole and counter. Extra pair of strings.

SIZES: 6 to 11. Wide width

State size wanted

24 C 2043 ..... $5.52

Postage, 16c extra

Quality That Stands the Test of Wear

State Size Wanted

$6.49

18-inch—2 Full Soles

Made of heavy brown chrome retan leather. Has full Munson last toe. Heavy leather welt soles. Full leather insole and counter. Extra pair of strings. Medium weight.

SIZES: 6 to 12. Wide width

State size wanted

24 C 2047 ..... $6.49

Postage, 16c extra

14-Inch—2 Full Soles

Made of heavy brown chrome retan leather. Has full Munson last toe. Heavy leather welt soles. Full leather insole and counter. Extra pair of strings. Medium weight.

SIZES: 6 to 12. Wide width

State size wanted

24 C 2044 ..... $5.19

Postage, 16c extra

18-Inch—2 Full Soles

Made of heavy brown chrome retan leather. Has full Munson last toe. Heavy leather welt soles. Full leather insole and counter. Extra pair of strings. Medium weight.

SIZES: 6 to 12. Wide width

State size wanted

24 C 2050 ..... $6.98

Postage, 16c extra

$2.59

Flexible Sole Scout Shoe

Comfort for your feet mentioned all the way through. Made of heavy brown chrome retan leather. Has full Munson last toe. Heavy leather welt soles. Full leather insole and counter. Rubber pads and heels. Medium weight.

SIZES: 6 to 12. Wide width

State size wanted

24 C 1843 ..... $2.59

Postage, 16c extra

Genuine Goodyear Welt

If you want fine comfort all the time, you want a shoe like this. Made of heavy brown chrome retan leather. Has full Munson last toe. Heavy leather welt soles. Full leather insole and counter. Medium weight.

State size wanted

24 C 1868 ..... Plain Toe $2.98

24 C 1869 ..... Plain Toe 2.98

Postage, 16c extra

$2.98

Smoked Elk Leather

A shoe that is very popular with children. Made of heavy brown chrome retan leather. Has full Munson last toe. Heavy leather welt soles. Full leather insole and counter. Medium weight.

SIZES: 9 to 12. Wide width.

State size wanted

24 C 1832 ..... $2.98

Postage, 16c extra

Ward's **BeauBrummel** Genuine Goodyear Welt Shoes

New Style and Big Value

Scotch Grain Leather Trimming

$3.95 New Black Oxford

The finest shoes shown here at the price—better than this kind of shoe usually sells for. Genuine calf uppers, with smart medium toe. Leather soles and heels. Widths C to E. State size wanted.

24 C 1527 $3.95
Postage, 12c extra

New Style—Leading Value With Popular Storm Welt

Ward's black glove calf, neat new medium toe style and the welt, as in this dependable shoe, full of wear.

WIDTHS: C to E in 5 to 11; D to F in 5 to 12. State size wanted.

24 C 1548 $3.98
Black Chromecalf

$3.98 Worth $5 to $6

Postage, 14c extra

Storm Welt

Popular Plain Toe

$3.98

A great favorite with men who want a smart shoe for every-day wear. Genuine calf uppers, with medium toe. Leather soles and heels. Widths C to E.

SIZES: 5 to 12. Widths: D, E. State size wanted.

24 C 1590 $3.98
Postage, 14c extra

New Style Priced Low

$3.59

The smartest Shoe you can buy at this price. A handsome style shoe for men who want perfect fitting shoes. Widths C to E.

SIZES: 5 to 12. Widths: D, E. State size wanted.

24 C 1617 $3.59
Postage, 14c extra

Fine Genuine Calfskin

$5.95

A handsome new style calf shoe for men who want perfect fitting shoes. Widths C to E.

SIZES: 5 to 12. Widths: D, E. State size wanted.

24 C 1624 $5.95
Postage, 14c extra

Steel Arch Support

Leading Styles for Fall and Winter

Mail Order Shoes

See Page 258

Genuine Goodyear Welt Fiber Sole Shoe

$3.39

Widths C to E in 5 to 11; D to F in 5 to 12. State size wanted.

24 C 1592 $3.39
Postage, 14c extra

New, Smart Oxfords for Fall and Winter

$3.59

Now, with the cool days of Fall, comes the need for smart, comfortable shoes. Here's one that will be worn and worn and worn. Genuine calf uppers, with medium toe. Leather soles and heels. Widths C to E.

SIZES: 5 to 12. Widths: D, E. State size wanted.

24 C 1504 $3.59
Postage, 12c extra

Storm Welt

$4.29

Here's a shoe that will stand wear and weather. Genuine calf uppers, with medium toe. Leather soles and heels. Widths C to E.

SIZES: 5 to 12. Widths: D, E. State size wanted.

24 C 1500 $4.29
Postage, 12c extra

$4.29

Here's a shoe that will stand wear and weather. Genuine calf uppers, with medium toe. Leather soles and heels. Widths C to E.

SIZES: 5 to 12. Widths: D, E. State size wanted.

24 C 1518 $4.29
Postage, 12c extra

Comfort and Wear In Every Pair

Crepe (Pure Gum)

Popular for Business or Sports

WIDTHS: C to E in 5 to 11; D to F in 5 to 12. State size wanted.

24 C 1539 Oxford $4.48
24 C 1538 Blucher $4.48
Postage, 12c extra

New and Fine Quality

$4.79

$5.95

High Grade Genuine Calfskin

Choose this stylish Shoe for fine quality and comfort—soft, pliable calfskin leather will mold to fit feet perfectly—full oak sole leather soles and leather heels—no shoe shop charges.

WIDTHS: C to E in 5 to 11; D to F in 5 to 12. State size wanted.

24 C 1597 $4.79
24 C 1572 $5.95
Postage, 14c extra

A Handsome Shoe and a Great Value

This smart Blucher will appeal to men who want a shoe that looks well and wears well. Genuine calf uppers, with medium toe. Leather soles and heels.

WIDTHS: C to E in 5 to 11; D to F in 5 to 12. State size wanted.

24 C 1598 $4.89
Postage, 14c extra

Made with Zebra Stripe Storm Welt New Broad Toe Last

Our London Straight Last

This new, smart, broad toe Blucher has the line of beauty. Made of our Lumino or Beaver-stretch last which fits the contour foot perfectly. Long wearing, fine genuine calf uppers, medium toe. Leather soles and heels.

WIDTHS: C to E in 5 to 11; D to F in 5 to 12. State size wanted.

24 C 1588 $5.90
Postage, 14c extra

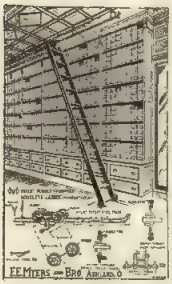
Genuine Kid

Brown Genuine Kid Comfort for Your Feet

Flexible Sole

STORE LADDERS

*MYERS CUSHION TIRE LADDERS

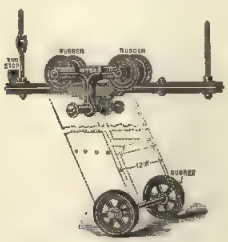


Directions for Fitting Store Ladder

Give the exact height of the ceiling and the length of each track, and all the fitting will be done at the factory. If the height of the ceiling varies, give the height of the ceiling at each end and center of each run of track.

Cut illustrates a view of the Myers Cushion Tire store ladder, showing the track, hanging hook, end stop, upper and lower trolleys all complete, mounted ready for use.

The ladder is constructed of the best clear Georgia pine, nicely finished and varnished, showing the natural wood. Has open panel sides, 5 inches wide, steps have 5½ inch tread. Have malleable iron dowel tee under each step. Ladder is 12 inches wide over all.



Showing Trolley Track and Floor Travelers

The trolley is self adjusting, fitted with turned steel bearings and a 3 inch anti-rattle wheel, turned and bored on lathe and fitted with special rubber tires.

The track is double angle steel rail, which is very neat and strong, and is suspended from ceiling by means of lag screws, either jointed or rigid, or by flanged plates and wood screws. By this means the track is placed close to the ceiling and can be leveled on an uneven ceiling without the least trouble and without any bridging or blocking

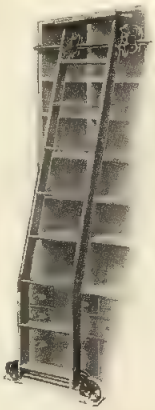
The floor travelers are 5 inches in diameter, composed of metal sides with rubber cushion tires clamped in such a position as to be impossible to get off or come loose. These wheels are placed on a steel axle.

Ladder and Trolley—Complete .....Each $29.00
Track—Complete, with hangers.....Per foot .40

*Not carried in stock; will ship from factory.

STORE LADDERS

*RELIABLE BENT SIDE LADDERS



This ladder is intended for use where projection of the base shelf is too great for a straight ladder.

The top fixture is self-adjusting with a perfect bearing on the track, allowing the ladder to roll easily whether perpendicular or at an angle, to pass over uneven places in the floor and to be placed close to the shelving when not in use, taking up practically no floor space. The two large floor wheels are rubber tired, making the ladder perfectly noiseless and easy running.

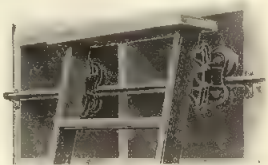
Track is regularly furnished in four, six, eight and ten foot lengths.

With this track the brackets are regularly furnished for three foot spacing

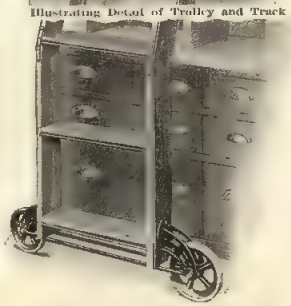
The ladder is made of oak and is furnished complete with fixtures but not with track.

No. 85—Ladders ..Each $50.00
No. 1L—Track ..Per foot .25

Note—Above price is for ladders up to 10 feet; if distance from floor to track exceeds 10 feet, add to price for each foot or fraction of a foot $1 50 per foot.



Illustrating Detail of Trolley and Track

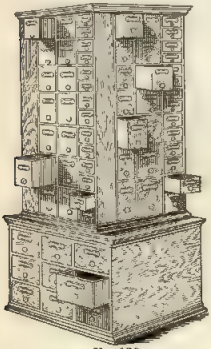


Illustrating in Detail Bottom of Ladder

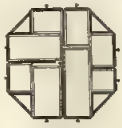
*Not carried in stock; will ship from factory.

BOLT AND SCREW CASES
*BROWN'S PERFECTION

Made of selected oak, hard oil finish, drawers are all square, no waste at center



No. 130 Square



No. 40 Octagonal

SQUARE REVOLVING

No. 112—Without base, with square corners, has 112 drawers; 56 for bolts and 56 for screws; height 50 inches, square 24 inches; weight 300 lbs. .....Each $.....

No. 130—With base 30 inches square and 20 inches high; contains 18 drawers for ⅝ and ¾ inch bolts; height over all 71 inches; weight 480 lbs. .....Each .....

No. 112 Is Labeled as Follows

Washers—⅛, ¼, ⅜, ½.
Bolts —¼x1, 1¼, 1½, 1¾, 2, 2¼, 2½, 2¾, 3, 3½, 4, 4½, 5.
Bolts —⅜x1¼, 1½, 1¾, 2, 2¼, 2½, 2¾, 3, 3½, 4, 4½, 5, 6.
Bolts —⅝x1½, 1¾, 2, 2½, 3, 3½, 4, 4½, 5, 5½, 6, 7, 8.
Bolts —½x3½, 3, 3½, 4, 4½, 5, 6, 7, 8, 9, 10, 11, 12.
Screws — ⅜—3, 4, 5 (in one drawer).
½—3, 4, 5, 6.
⅝—4, 5, 6, 7
¾—5, 6, 7, 8, 9.
⅞—6, 7, 8, 9
1 —7, 8, 9, 10, 11.
1¼—8, 9, 10, 11, 12.
1½—9, 10, 11, 12, 13, 14.
1¾—11, 12, 13, 14.
2 —11, 12, 13, 14.

This leaves 14 small drawers, with blank labels which can be used for tire bolts or stove bolts, etc.

No. 130 Is Labeled the Same as No. 112 with the Following Additions

Washers—⅝, ¾.
Bolts —⅝—5, 6, 7, 8, 9, 10, 11, 12.
Bolts —¾—7, 8, 9, 10, 11, 12, 14, 16.

OCTAGONAL REVOLVING

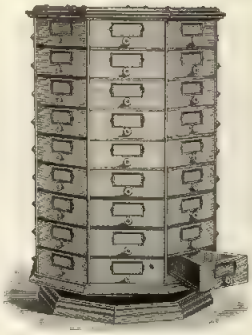
No. 40—Octagonal shape, 40 drawers, height 37 inches, diameter 22 inches, weight 180 lbs. ... . Each $.....

No. 40 Is Labeled as Follows

¼x1½, 1¾, 2, 2¼, 2½, 3, 3½, 4, 4½, 5.
⅜x1½, 1¾, 2, 2½, 3, 3½, 4, 4½, 5, 6.
⅝x2, 2½, 3, 3½, 4, 4½, 5, 6, 7, 8.
½x3, 3½, 4, 4½, 5, 5, 7, 8, 9, 10.
One in a crate.

*Not carried in stock; will ship from factory.

SCREW CASES
*AMERICAN REVOLVING



Made of best Tennessee poplar. Metal drawers with fronts of drawers made of best Norway pine, with the sizes they contain printed on them; drawers are provided with stops to prevent their removal from case. Each drawer holds a box of screws of the size number indicated on front of drawer. Cases are mounted on iron standard, screwed firmly into an iron hub in the bottom Cherry stained

No. 10—Case, 72 drawers; height 33 inches, width 21 inches, with knobs; weight 125 lbs...Each $ . .
With knobs and label holders.....Each . .

No. 12—Case, 80 drawers; height 36 inches, width 21 inches, with knobs; weight 130 lbs...Each . .
With knobs and label holders.....Each . . .

BOLT CASES
*AMERICAN REVOLVING

Made of best Tennessee poplar. Metal drawers with fronts of drawers made of best Norway pine, with sizes they contain printed on them Drawers are fitted with stops to prevent their removal from case. Each drawer holds a package of bolts of the size number indicated on front of drawer. Cases are mounted on iron standard screwed firmly into an iron hub in the bottom. Top part revolves on base. Cherry stained.

No. 5—Bolt case, 98 drawers; height 60 inches, width 30 inches, weight, 375 lbs.....Each $.....
No. 6—Bolt case, 104 drawers; height 65 inches, width 30 inches; weight, 400 lbs.....Each .....

Note—Can furnish screw and bolt cases with a locking device so arranged that all drawers can be locked and unlocked at one time, at additional cost.

*Not carried in stock; will ship from factory.

HOG RINGERS AND RINGS

WOLVERINE RINGERS

Japanned cast iron, wrought iron rivet at joint. For Wolverine rings Nos. W1 and W2.

	Per Doz
No. 10—Length 7¾ ins	$5 85

Half doz in cardboard box; wt per doz 9 lbs.

WOLVERINE RINGS

Stamped from sheet steel, coppered.

	Per Doz Boxes
No. W1 For pigs	$6 75
No. W2—For hogs	6 75

One hundred in cardboard box, one doz boxes in package.

BLAIRS RINGERS

Japanned cast iron, closes all Blair rings.

	Per Doz
No. 58 Length 7 ins	$6 00

Half doz in cardboard box, wt per box 3 lbs.

BLAIRS RINGS

Coppered soft steel wire; circular shape when closed.

	Per Doz Boxes
No. 81 Pig Rings 100 in box	$3 45
No. 28 Hog Rings 100 in box	3 45

One doz boxes in pkg; wt about 8 lbs.

STEWART RINGERS

Malleable iron, reinforced at all points and so designed that it is easy to grip when inserting rings. The adjusting screw is equipped with a lock nut which enables the user to lock the screw after it is properly adjusted.

	Per Doz
No. 57—Length 7¼ ins	$7 20

One doz in cardboard box; wt per doz 7½ lbs.

STEWART RINGS

Standard.

Coppered steel wire triangular shape when closed. On the front of the ring is welded at right angles a piece of same size wire which is of sufficient length to cover the snout. When the animal lifts on a wire it slides down the snout and engages the cross piece, or in rooting comes in contact with the ground, which causes temporary pain.

	Per Doz Boxes
No. S1—Pig Rings 24 in box	$6 30
No. S2—Shoat Rings 20 in box	6 30
No. S3—Hog Rings 12 in box	6 30

One doz boxes in pkg; wt per doz 3 lbs.

Special.

This ring differs from the standard ring in having the bar bent outward and standing parallel to the ground in place of horizontally when attached in the snout. The only device that will successfully stop hogs from catching chickens.

	Per Doz Boxes
No. S4—Hog Rings 12 in box	$22 50

Three doz boxes in shipping case; wt per doz 5 lbs.

ANTI-ROOTERS

NEW IDEAL

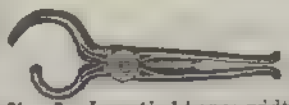
Blades are of oil tempered steel, with copper base or anvil to cut on; aluminum finish.

Does not injure the nerves of the snout or rooter.

	Per Doz
No. 1—Length 12 ins	$33 00

One in cardboard box; wt per doz 2¼ lbs.

HOG TONGS



HILL'S PATTERN

Malleable iron, japanned and painted; suitable for all size hogs

	Per Doz
No. 2—Length 14 ins; width between jaws 3 ins	$12 75

Half doz in cardboard box; wt per doz 16 lbs.

PIG FORCEPS

PRATT'S

Made of best quality steel, nickel plated and polished. Simple in construction and perfect in operation; will not slip or injure the sow.

	Per Doz
No. 10—Length 14 ins	$38 25

One in cardboard box; wt per doz 8 lbs.

MEDICATED SALT BRICK

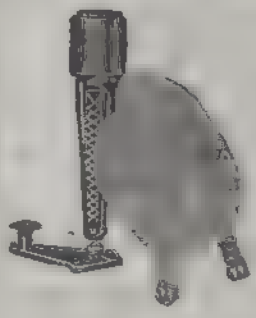
DR. BLACKMAN'S

Live stock conditioner and tonic.

	Per Doz
No. 58MSB Size 25/8x35/8x7 ins	$6 60

One doz in fibre board container; wt per doz 35 lbs

HOG OILERS



NATIONAL AUTOMATIC

Answers the purpose of a dipping tank. Distributes the oil on the belly and in the armpits as well as on the backs of large and small hogs. Built entirely of solid cast iron.

	Each
No. NS Oil capacity 1½ gallon; height over all 35 ins	+$29 25

Crated; shipping wt each 50 lbs.

BULL RINGS

THE NEW IDEAL

Polished copper, self piercing; it is not necessary to make or pierce a hole in the animal's nose before inserting the ring, but is only necessary to back small screw out until it is clear of the lower half of the ring, open the ring up and insert in the animal's nose.

	Per Doz
No. 10—Diam of bowl 2½ ins	$10 20

Half doz in cardboard box; wt per doz 2¾ lbs.

STANDARD

Polished copper; 5/16 inch metal, with set screw joint, fastener and steel wire screw driver.

No.	4	5	6
Diam, ins	2	2½	3
Wt per doz, lbs	1¾	2¼	2½
Per Doz	$6 75	8 40	9 45

One doz in cardboard box.

+F. O. B. Indiana Factory Only.

BULL RINGS

ALUMINUM

Light and strong; 5/16 inch metal, with set screw joint, fastener and wire screw driver.

	Per Doz
No. 51—Diam 2½ ins	$8 10

One doz in cardboard box; wt per doz 1 lb.

SELF-PIERCING

Polished copper; complete with set screw and wire screw driver.

	Per Doz
No. 50SP—Standard Pattern, ¼ in. metal; diam 2½ ins	$10 20
No 60SP Extra heavy pattern, ⅜ in. metal; diam 3 ins	15 00

One doz in cardboard box; wt per doz about 1½ lbs.

CATTLE LEADERS

Plain malleable iron, rivet joint; wire spring; ball tipped bowl.

Nos.	1	2
Diam oowl, ins	2	3
Wt per doz, lbs	3	4
Per Doz	$5 25	5 70

One doz in cardboard box.

OX BALLS

Solid cast brass; to screw on horns of cattle to prevent injury to each other.

	Per Gro
No. 10—Medium; length ¾ in; diam outside ¾ in; ⅝x½ in. threaded hole	$24 60

Sixth gro in cardboard box; wt per gro 6 lbs.

	Per Gro
No. 2—Heavy; length ¾ in; diam outside ⅞ in. ⅝x ⅜ in threaded hole	$29 10

Sixth gro in cardboard box; wt per gro 8 lbs.

OX BOW PINS

Solid cast steel, natural finish; single spring.

	Per Doz
No. 2—Opening 2 ins wide; ⅜ in. pin; length over all 4⅜ ins	$5 70

Two doz in cardboard box; wt per doz 2 lbs.

VARNUM PATENT

Malleable iron pin, steel spring; natural finish.

	Per Doz Pairs
No. 10—Opening 2 ins wide; ⅜ in. pin; length over all 4¼ ins	$8 25

One doz pairs in cardboard box, wt per doz pairs 4½ lbs.

HOTCHKISS PATENT

Japanned cast iron, double steel spring.

	Per Doz
No. 6—Opening 2 ins wide; ⅜ in. pin; length over all 4¼ ins	$5 85

Two doz in cardboard box; wt per doz 3 lbs.

DEHORNERS

Sliding draw cut, japanned malleable iron handles, cogs and frame; best cast steel blade, sharpened ready for use; riveted to toothed plunger handles bolted to frame.

	Each
No. 2—Medium size, for young cattle; diam of horn opening 3⅜ ins; blade 5/16 in thick, 4 ins wide with 5 inch cutting edge; length over all 42 ins	$8 70

Packed loose; wt each about 12 lbs.

DEHORNING SAWS

—PINE KNOT—

Highest grade tempered steel blade; japanned oval; malleable iron frame; varnished beechwood handle, riveted to frame; blade is tightened by thumb screw at end of frame.

	Per Doz
No. 1—Blade 9½x¼ in; depth from back to blade 4 ins; length over all 15 ins	$27 45

Half doz in cardboard box; wt per doz 15 lbs.

—PINE KNOT— DEHORNING SAW BLADES

For Pine Knot Dehorning Saws.

	Per Doz
No. 10—For No. 1 saws	$4 95

Packed loose; wt per doz about 8 ozs.

MUZZLES

HORSE OR CATTLE

Muzzle 7½ inches deep; diameter 9½ inches; No. 16 wire; extra heavy wire around top. Has 8 flat ribs running from top to bottom. Strong ears for attaching straps for holding in place.

Made of copper wire, well lacquered.

Nos.	Steadfast 400	Holdfast 200
Cross wires	10	15
Distance between cross wires, in	⅞	¾
Less than 6 doz, Per Doz	$4 65	5 70
6 doz or more, Per Doz	4 35	5 25

No rust—Made rust proof by special patented process.

No.	100
Less than 6 doz, Per Doz	$5 85
6 doz or more, Per Doz	5 55

Three doz in bdle, wt per doz 8 lbs.

HORSE OR CATTLE

	Less than 6 doz Per Doz	6 Doz or more Per Doz
No. 1—Light, No. 17 wire japanned	$1 80	1 65
No. 3—Heavy, No. 16 wire japanned	2 40	2 25
No. 4—Light, No. 17 wire, galvanized	1 80	1 65
No. 7—Ext. hvy. No. 12 wire japanned	3 60	3 30
No. 8—Ext. hvy. No. 12 wire galvanized	3 90	3 60

	Per Doz
No. 1488—Heavy No. 14 wire galvanized	$4 20
No. 14—Standard wire, 14 gauge; rim No. 10 wire, galvanized; depth 9 ins	+3 45
No. 15—6 wire; 14 gauge; galvanized; depth 9 ins	+2 70

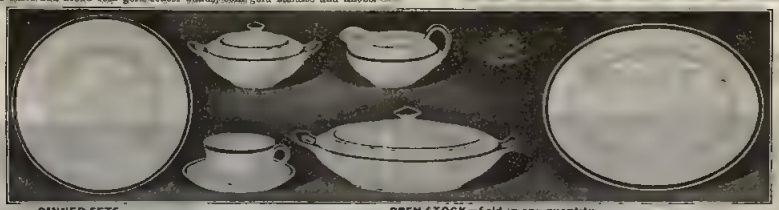
Nos. 1, 3, 4 three doz; 7 and 8 two doz; 1488 six doz in bdle; average wt per doz 5 lbs.

+F. O. B. Texas Factory Only.

"PRINCESS"

NATIONAL CHINA CO.'S trademarked [illegible] featherweight semi-porcelain. Fine quality pure white, graceful shape, 22 kt. 18K burnished coin gold band decoration, upright pieces with coin gold band bases and broad coin gold center bands, coin gold handles and knobs.

NO PACKAGE CHARGE



DINNER SETS

E15790—42 piece set.
Shipping wt. about 40 lbs.
SET (42 pcs) **$10.25**

E15796—50 piece set.
Shipping wt. about 50 lbs.
SET (50 pcs) **$13.75**

E15793—100 piece set.
Shipping wt. about 90 lbs.
SET (100 pcs) **$28.95**

For composition of sets see bottom of page.

OPEN STOCK—Sold in any quantity

CUPS AND SAUCERS—
E15790—America... cup 3½x2 ... saucer 5½
DOZ. (24 pcs.) **$4.75**

PLATES—
E15710 4 in. act. 6 ... Doz **$2.00**
E15711 6 " " 7 " **2.60**
E15712 7 " " 8 " **3.25**
E15713 8 " " 9 " **3.90**
E15714 9 " " 10 " **4.55**
E15715—Coupe soup, 8 in. act. 7 ... Doz **$3.40**

BAKER
E15721—7 in. act. 8½ ... Doz **$6.25**

BOWL
E15714—10 in. ... Doz **$5.25**

PLATTERS—
E15743—8 in. act. 11 ... Doz **$7.20**
E15745—10 " " 13 ... " **12.50**
E15747—12 " " 15 ... " **18.75**

FRUIT
E15760 4 in. act. 5½ ... Doz **$1.60**

OATMEAL
E15761 7 in. ... Doz **$3.25**

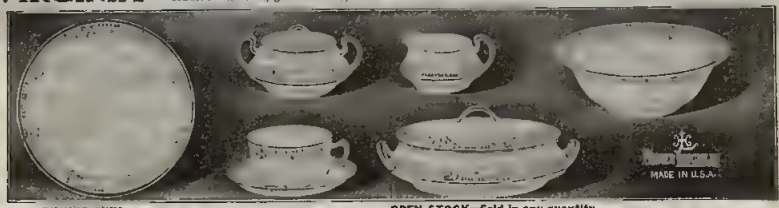
CREAMER
E15778 4 in. ... Doz **$6.25**

COVD SUGAR—
E15777—30 in. ... Doz. **$12.00**
COVD BUTTER—With drainer.
E15778— ... Doz. **$18.75**
COVD DISH—Oval.
E15780—7 in., act. 9¾ ... Doz. **$22.20**
Casserole—Round
E15783—7 in., act. 8¾ ... Doz. **$24.80**
SAUCE BOAT—Attached stand.
E15784—5 in. ... Doz. **$19.20**
PICKLE DISH
E15786—8½ in. ... Doz. **$6.25**

"VIRGINIA"

"HOMER LAUGHLIN" trademarked. Light weight white semi-porcelain, green and tan, conventional band, green scrolled, blue medallions and rose festoons.

NO PACKAGE CHARGE



DINNER SETS

E12894—31 piece set.
Shipping wt. about 30 lbs.
SET (31 pcs) **$4.65**

E12896—42 piece set.
Shipping wt. about 40 lbs.
SET (42 pcs) **$7.55**

E12896—50 piece set.
Shipping wt about 50 lbs.
SET (50 pcs) **$10.20**

E12893—100 piece set.
Shipping wt about 90 lbs.
SET (100 pcs) **$20.50**

For [illegible] see bottom of page

OPEN STOCK—Sold in any quantity

CUPS AND SAUCERS—
E12800—Tea 3½x2¼ in. ... saucer 5½
DOZ (1 pcs) **$2.40**
E12803—Oviod 3½x2¼ in. ... saucer 5½
DOZ (24 pcs) **$2.40**

PLATES—
E12810 4 in., act. 6 ... Doz **$1.50**
E12811-5 " " 7 " **1.70**
E12812 6 " " 8 " **2.05**
E12813 7 " " 9 " **2.40**
E12814 8 " " 9½ " **3.20**
E12817—Coupe soup, 7 in. act. 7½ ...

BAKER
E12824—7 in., act. 8¾x3¾ ... Doz **$4.50**

BOWL—
E12831—30's ... Doz **$3.75**

PLATTERS—
E12843—8 in., act. 11½ ... Doz **$2.75**
E12845—10 " " 13½ " **4.75**
E12847—12 " " 15¾ " **11.25**

SALAD
E12832 7 in., act. 8½ ... Doz **$4.50**

FRUIT
E12860 4 in. act. 5½ ... Doz **$1.10**

OATMEAL
E12865 7½'s ... Doz **$2.36**

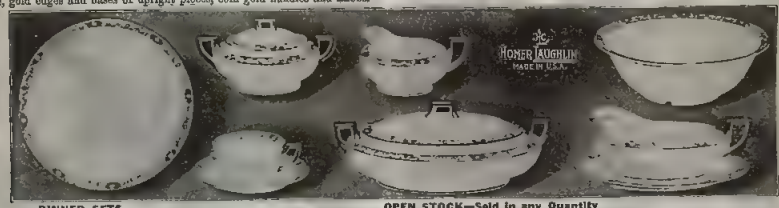
CREAMER—
E12878 30's ... Doz **$4.80**

COVERED SUGAR
E12877 30's ... Doz **$9.00**
COVERED BUTTER With drainer
E12878— ... Doz **$13.80**
INDIVIDUAL BUTTER—
E12881-2½ in. ... Doz **$0.75**
COVERED DISH Oval
E12880—7 in. ... Doz **$15.75**
CASSEROLE—Round
E12883-7 in. ... Doz **$18.00**
SAUCE BOAT—Stand attached
E12885—7½x5, without stand Doz **$6.00**
PICKLE DISH—
E12886 8 in. ... Doz **$2.48**

"VANDERBILT"

"HOMER LAUGHLIN" trademarked. Light wt. white semi-porcelain. New "Anchor" shape, tinted pink rose & green foliage border, black and orange medallions, inner gold hair line, gold edges and bases of upright pieces, coin gold handles and knobs.

NO PACKAGE CHARGE



DINNER SETS

E13994—31 piece set.
Shipping wt about 30 lbs. SET **$6.60**

E13990—42 piece set.
Shipping wt. about 40 lbs. SET **$10.50**

E13996—50 piece set.
Shipping wt. about 50 lbs. SET **$14.20**

E13993—100 piece set.
Shipping wt. about 90 lbs. SET **$30.75**

For composition of sets see bottom of page

OPEN STOCK—Sold in any Quantity

CUPS AND SAUCERS
E13900—Tea 3½x2¼ in., saucer 5½
DOZ (24 pcs) **$5.35**
E13903—Coffee 3½x2¼ in. ... saucer
DOZ (24 pcs) Dut

PLATES
E13910 4 in. act. 6 ... Doz **$1.85**
E13911 5 " " 7½ " **2.05**
E13912 6 " " 8½ " **2.45**
E13913 7 " " 9½ " **3.40**
E13914-8 " " 10½ " **4.10**
E13917 - Coupe soup, 7 in. act. 8½ ... Doz **$3.40**

BAKER
E13924 7 in. act. 9 ... Doz **$6.00**

BOWL—
E13931 30's ... Doz **$5.00**

PLATTERS
E13943— 8 in., act. 11½ ... Doz **$5.00**
E13945—10 " " 13½ " **9.00**
E13947—12 " " 15¾ " **15.00**

SALAD
E13932—7 in., act. 8½ ... Doz **$6.00**

FRUIT—
E13960—4 in., act. 5½ ... Doz **$1.60**

OATMEAL
E13965 30's ... Doz **$3.00**

CREAMER—
E13978—30's ... Doz **$5.40**

COVERED SUGAR
E13977—30's ... Doz **$10.00**
COVERED BUTTER—With drainer.
E13978— ... Doz **$18.75**
COVERED DISH Oval
E13980—7 in. ... Doz **$24.00**
CASSEROLE—Round
E13983—7 in. ... Doz **$26.80**
SAUCE BOAT—Attached stand
E13984—5x5½ in. ... Doz **$21.00**
PICKLE DISH—
E13986—8x5½ in. ... Doz **$6.00**

Composition of Our Dinner Sets

31 Piece Set
6 tea cups, 6 plates, 7 in.
6 saucers, 6 fruits, 4 in.
6 plates, 6 in. 1 platter, 12 in.

42 Piece Set
6 tea cups, 1 bowl 9 in.
6 saucers, 1 platter, 8 in.
6 plates, 6 in. 6 fruits, 4 in.
6 plates, 8 in. 1 covd. sugar (2 pcs.)
1 bowl, 7 in. 1 creamer
1 baker 7 in.

50 Piece Set
6 tea cups 1 baker 7 in.
6 saucers, 1 bowl 30's
6 plates, 6 in 1 dish 12 in.
6 plates, 8 in. 1 creamer
6 plates, 7 in 1 covd. sugar (2 pcs.)
6 soups soups. 1 covd dish (2 pcs
6 fruits, 4 in

100 Piece Set
12 tea cups 12 fruits, 4 in.
12 saucers 1 covd. sugar (2 pcs.)
12 plates, 6 in 1 creamer
12 plates, 7 in 1 butter dish (3 pcs.)
12 plates, 8 in 1 cake dish
12 soups soups 1 covd dish, 7 in.
1 platter, 8 in. 1 sauce boat (3 pcs.)
1 platter, 12 in 1 pickle dish

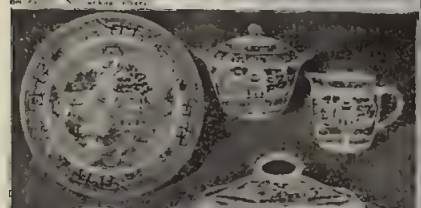
NO PACKAGE CHARGE ON OUR DINNERWARE

EUROPEAN DINNERWARE

Our buyers went to Europe and selected these patterns right at the potteries and bought them with American gold just at a time when real money was a godsend to the manufacturers. We believe our patterns to be the best we have ever shown and we know that our prices are lower than you will find quoted by any other importer

"BLUE WILLOW" ALLERTON'S FAMOUS English Semi-Porcelain (OPEN STOCK)

Allerton's old trade-marked English semi-porcelain, with over a century's reputation behind it. Clear, translucent body, fine glaze, artistic shapes, delicate decorations.



DINNER SETS

R20090—42 pc. set. Shipping wt about 60 lbs. SET (42 pcs) **$7.95**

R20046—50 pc. set. Shipping wt about 55 lbs. SET (50 pcs) **$12.10**

R20093—100 pc. set. Shipping wt about 90 lbs. SET (100 pcs) **$21.50**

OPEN STOCK—Sold in any quantity

CUPS AND SAUCERS—
R20090—Cup & saucer, 2¾ in. Doz 24 pcs **$2.95**

PLATES—

	Art	Doz
R20070—6 in.	¾	$1.20
R20071—7 in.	¾	1.50
R20072—8 in.	⅞	1.80
R20073—9 in.	1	2.10
R20074—10½ in.	1⅛	2.75
R20077—Soup, coupe shape, 8 in.	1	2.75

Doz **$2.75**

BAKERS—Deep oblong
R20024—7 in. Doz **$4.75**
R20023—8 in. Doz **$6.75**

BOWLS—
R20031—Soup, 8¼x8¼ in. Doz **$2.80**
R20032—Salad, 9¼x9¼ in. Doz **$3.60**
R20033—Fruit, 5¼x5¼ in. Doz **$1.80**
R20034—Cereal, 6¼x6¼ in. Doz **$2.40**

PITCHERS—
R20035—Cream, ½ pt. Each **$1.20**
R20036—Milk, 1 pt. Each **$1.80**
R20037—Water, 2 pt. Each **$2.40**

COVERED DISHES—
R20060—7 in. Each **$1.75**
R20061—8 in. Each **$2.00**

HANDLED SAUCE BOAT—Without stand. Doz **$7.90**

PICKLE DISH—Fancy shape
R20066—8 in. Doz **$3.95**

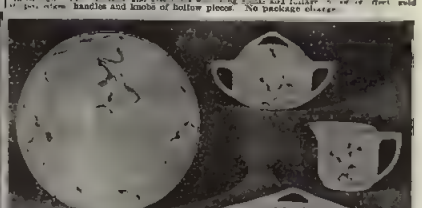
COVERED BUTTER—Large size, drainer. Doz **$3.80**
R20078—7½ in. **$14.40**

INDIVIDUAL BUTTER—Rolls or pats. Doz **75c**

COVERED DISH—
R20081—8 in., act. 11½x5¾ in. Each **$2.00**

"IRIS" PASTEL TINTED EUROPEAN CHINA (OPEN STOCK)

Made by one of the best European china factories. Light weight, highly glazed pastel tints and gold traceries and stripes. Shapes of unique design. Loop handles and knobs of hollow pieces. No package charge.



DINNER SET

R45193—100 piece set. Shipping weight about 90 lbs. SET 100 pcs.

OPEN STOCK—Sold in any quantity

CUPS & SAUCERS—
R45160—Cup 3¼x2¾ in. Each **$1.00**
R45161—Cup & saucer, 2¾ in. Doz 24 pcs **$4.25**
R45162—After dinner size, Doz 24 pcs **$3.60**

PLATTERS—
R45110—4 in. Each **$1.30**
R45148—14 in. Each **$1.95**

FRUITS—
R45109—4 in. Doz **$2.10**

OATMEALS—
R45105—5 in., act. 6½ in. Doz **$2.10**

SALAD DISH—Temp Out

CREAM PITCHER—
R45110—7 in. high. Temp Out

BAKER—
R45144—8 in. act. 10 in. Each **$1.00**

PLATTERS—
R45145—8 in., act. 10x7 in. Each **80c**

R45147—12 in. Each **$1.95**

R45148—14 in. Each **$1.95**

FRUITS—
R45109—4 in. Doz **$2.10**

OATMEALS—
R45105—5 in., act. 6½ in. Temp Out

SALAD DISH—
R45110—Act. 9 in. Temp Out

COVERED SUGAR—
R45179—4¼ in. high. Temp Out

TEA POT—
R45187—8¾ in. high. Temp Out

COVERED BUTTER—
R45176—With drainer. Each **85c**

COVERED DISH—Oval.
R45180—9 inches. Each **$2.25**

CASSEROLE—Round
R45183—Act. 9¾ in. Each **$2.25**

SAUCE BOAT—
R45184—Attached stand. Each **$1.35**

PICKLE DISH
R45186—8 in. Each **75c**

"WILD ROSE" HAND PAINTED EFFECT EUROPEAN CHINA (OPEN STOCK)

Good quality, light weight, pure white china, hand-painted effect decoration. Raised gold scrolls, French shape, open handles. Colored border effect, gold stripes, edges. Rich and attractive, no hard to clean tracery. No package charge.

DINNER SETS

R47596—50 piece set. Shipping weight about 48 lbs. SET 50 pcs **$17.80**

R47593—100 piece set. Shipping weight about 92 lbs. SET 100 pcs **$37.65**

OPEN STOCK—Sold in any quantity

CUPS & SAUCERS—
R47580—Cup 3¼x2¾ in. Doz 24 pcs **$6.00**

PLATES—

R47611—Bread & butter, 6¼ in.	Doz **$2.25**
R47582—Tea, act. 7¼ in.	**3.00**
R47613—Breakfast, act. 8½ in.	Doz **$3.18**
R47614—Dinner, act. 9½ in.	**4.30**
R47615—Coupe soup, act. 7¼ in.	Doz **$3.70**

SALAD DISH—
R47589—6 in. Doz **$1.95**

PLATTERS—
R47591—act. 12¼x8¾ in. Each **$0.95**
R47592—" 14¾x10¾ " " **1.45**
R47585—" 17¾x12¾ " " **3.65**

TEA POTS—
R47583—8½ in. high. Each **$**

COVERED DISH—
R47570—10 in., 6¾ in. high. Each **$3.20**

CASSEROLE—
R47600—Act. 8½ in. Each **$3.20**

SAUCE BOAT—
R47586—Attached stand. Each **$1.30**

COVERED BUTTER DISH—
R47587—Drainer. Each **$1.00**

BAKER OR VEGETABLE DISH—
R47588—8 in. Each **70c**

PICKLE DISH—
R47590—6 in. Each **40c**

SALAD OR VEGETABLE DISH—
R47601—9 in. Each **$2.40**

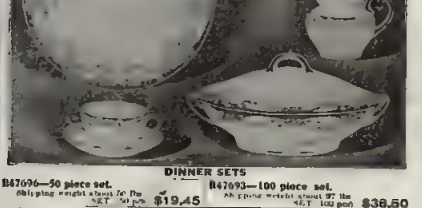
PLATTERS—
R47602—10 in. act. 11¼ in. Each **$1.00**
R47603—14 " " 17 " " **2.00**

COVERED DISH—
R47605—10½x7¾ in. Each **$3.25**

CASSEROLE—
R47604—9¾ in. Each **$3.25**

FRENCH BLUE SCROLL GARLAND DECORATED SILESIAN CHINA (OPEN STOCK)

Silesian trade-marked high grade porcelain china, decorated in French blue and gold. Shapes and decorations of unique design. Gold scrolls and garlands of gold and French blue, with gold edges. Rich and attractive, no hard to clean tracery. No package charge.



DINNER SETS

R47696—50 piece set. Shipping weight about 50 lbs. SET 50 pcs **$19.45**

R47693—100 piece set. Shipping weight about 97 lbs. SET 100 pcs **$38.50**

OPEN STOCK—Sold in any quantity

CUPS & SAUCERS—
R47680—Cup 3¼x2¾ in. Doz 24 pcs **$6.60**

PLATES—

R47699—Bread & butter, act. 6 in.	Doz **$2.40**
R47681—Tea, plate " 7 "	**3.00**
R47682—Breakfast, " 8 "	**3.60**
R47683—Dinner, " 9½ "	**4.80**
R47684—Coupe soup, act. 7¼ in.	**4.80**

SALAD DISHES—
R47690—Act. 5 in. Doz **$2.40**

PLATTERS—
R47691—Act. 10 in. act. 11¼ in. Each **$1.00**
R47692—" 14 " " 17 " " **2.00**

COVERED DISH—
R47695—10½x7¾ in. Each **$3.25**

CASSEROLE—
R47694—9¾ in. Each **$3.25**

SAUCE BOAT—
R47685—With attached stand. Each **$1.80**

COVERED BUTTER DISH—
R47676—Act. 6¾ in. Each **$1.10**

BAKER OR VEGETABLE DISH—
R47675—8 in. Each **80c**

PICKLE DISH—
R47690—Act. 7 in. Each **60c**

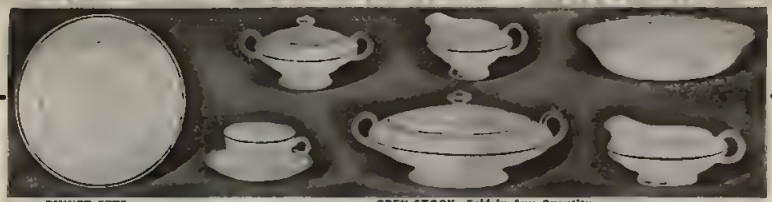
SALAD OR VEGETABLE DISH—
R47681—Act. 9½ in. Each **70c**

COVERED SUGAR BOWL—
R47673—4¼ in. high. Each **$1.10**

CREAM PITCHER—
R47676—8¾ in. high. Each **70c**

SLOP BOWL—
R47630—6¾ in. Each **75c**

"MONARCH" — NO PACKAGE CHARGE



DINNER SETS

E15608—31 piece set. Shipping weight about 30 lbs. SET (31 pcs) **$3.20**

E15690—42 piece set. Shipping weight about 40 lbs. SET (42 pcs) **$5.50**

E15696—50 piece set. Shipping weight about 50 lbs. SET (50 pcs) **$7.60**

E15693—100 piece set. Shipping weight about 90 lbs. SET (100 pcs) **$14.50**

For composition of sets see nearby page.

OPEN STOCK—Sold in Any Quantity

CUPS AND SAUCERS—
E15608—Vendôme hand cup 3½x2, saucer 5½ in. DOZ (24 pcs) **$2.25**
E15692—Victory tea cup 3¼x2¾, saucer 5½ in. DOZ (24 pcs) **$2.25**

PLATES—
E15616—4 in., act. ⅞ in. ..... Doz **$1.10**
E15611—5 " " " " **1.25**
E15612—6 " " " " **1.60**
E15613—7 " " " " **1.90**
E15614—8 " " " " **2.40**
E15615—Coupe soup, 6 in., act. ⅞ in. ..... Doz **1.90**
E15616—Soup plate ..... Doz **2.25**

INDIVIDUAL BUTTER—
E15619—3 in. ..... Doz **.57**

BAKER—Footed
E15624—7 in., sch. 2¼ .. Doz **$3.85**

BOWLS
E15626—3½ in. ..... Doz **$2.25**
E15631—10 in. ..... " **2.85**

PLATTERS—Footed
E15625—7 in., act. 1¼ in. Doz **$2.50**
E15640—8 " " 1¾ in. " **3.10**
E15645—10 " " 1¾ " " **6.65**
E15647—12 " " 1¾ " " **9.35**

NAPPY OR SALAD—
E15627—7 in., act. 2¼ in. Doz **$3.60**

PIMIENTO
E15628—4 in. act. 1¾ in. Doz **.64**

OATMEAL
E15629—7 in. ..... Doz **$1.70**

CREAMER—
E15630—3½ in. ..... Doz **$3.40**

COVERED SUGAR
E15637—3½ in. ..... Doz **$6.80**

COVD. BUTTER WITH DRAINER—
E15678—7½ in. ..... Doz **$10.20**

COVERED DISH, ROUND
E15680—7 in. act. 3½ in. ..... Doz **$12.60**

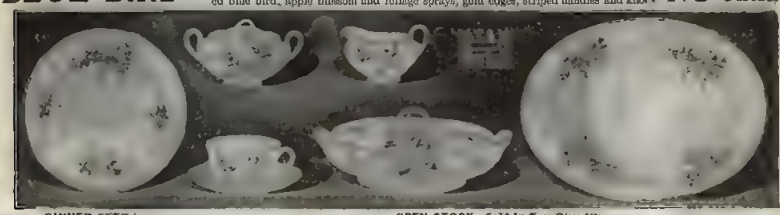
CASSEROLE, ROUND—
E15683—7 in., act. 3¼ in. Doz **13.60**

SAUCE BOATS—
E15634—Without drainer ..... Doz **$4.60**
E15644—With attached stand ..... Doz **$9.60**

PICKLE DISH—
E15638—7 in. ..... Doz **$1.85**

"BLUE BIRD" — NO PACKAGE CHARGE

"K. T. & K." trademarked, light wt. white semi-porcelain, fancy shape, delicately tinted blue bird, apple blossom and foliage sprays, gold edges, striped handles and knobs.



DINNER SETS

E15394—31 piece set. Shipping wt. about 35 lbs. SET (31 pcs) **$3.95**

E15390—42 piece set. Shipping wt. about 40 lbs. SET (42 pcs) **$6.25**

E15396—50 piece set. Shipping wt. about 50 lbs. SET (50 pcs) **$8.75**

E15393—100 piece set. Shipping wt. about 90 lbs. SET (100 pcs) **$17.00**

For composition of sets see nearby page.

OPEN STOCK—Sold in Any Quantity

CUPS AND SAUCERS—
E15390—Tea, 3¼x2¾ in., saucer 5½ in. DOZ (24 pcs) **$2.75**
E15397 ..... **$2.75**

PLATES—
E15390 4 in. act. ⅝ in. **$1.25**
E15391 5 " " " " **1.40**
E15392 6 " " " " **1.75**
E15393 7 " " " " **2.70**
E15394 8 " " " " **2.70**
E15395 ..... **$2.20**
E15396—Coupe soup, 7 in., act. ⅝ in. Doz **$2.50**
E15398 ..... Doz **$4.50**

BAKER—Footed
E15399 ..... sch. 2¼ in. Doz **$3.85**

BOWLS—
E15381—3½ in. ..... Doz **$2.15**

PLATTERS—Footed
E15382—8 in., act. 1¾ in. **$4.75**
E15383—10 " " 1¾ " **7.50**
E15384—12 " " 1¾ " **11.25**

SALAD
E15385—7 in., act. 2¼ in. Doz **$3.75**

DISH
E15386—4 in., act. 2¼ in. Doz **.92**

OATMEAL
E15387 ..... Doz **$1.95**

CREAMER
E15388 ..... Doz **$3.75**

INDIVIDUAL BUTTER—
E15379—3½ in. ..... Doz **.65**

COVERED SUGAR
E15377—3½ in. ..... Doz **$7.50**

COVERED BUTTER—With drainer
E15376—7½ in. ..... Doz **$11.25**

COVERED DISH—Oval
E15375—7 in. ..... Doz **$13.15**

CASSEROLE—Round
E15374—7 in. ..... Doz **$15.00**

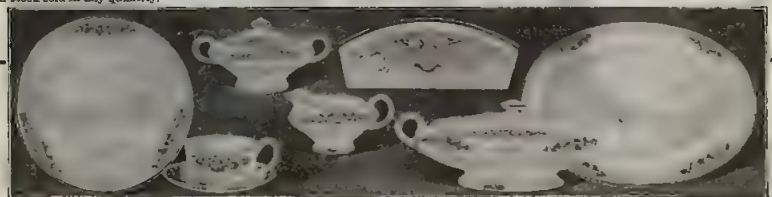
SAUCE BOAT
E15373—Handled ..... Doz **$5.00**

PICKLE DISH
E15372—7 in. ..... Doz **$2.30**

"ROYAL ROSE" PATTERN — NO PACKAGE CHARGE

"K. T. & K." trademarked, fine quality pure white light wt. semi-porcelain, highly glazed artistic shape, decoration of rose sprays combined with royal blue [illegible]

Open stock sold in any quantity.



DINNER SETS

E24096—42 piece set. Shipping wt. about 40 lbs. SET (42 pcs) **$6.35**

E24096—50 piece set. Shipping wt. about 50 lbs. SET (50 pcs) **$8.50**

E24093—100 piece set. Shipping wt. about 90 lbs. SET (100 pcs) **$16.75**

For composition of sets see nearby page.

OPEN STOCK—Sold in Any Quantity

CUPS AND SAUCERS—
E24090—Tea, cup 3¼x2, saucer 5½ in. DOZ (24 pcs) **$2.75**

PLATES—
E24010—4 in. act. ⅝ in. Doz **$1.25**
E24014—5 " " ⅞ " **1.40**
E24012—6 " " 1¼ " **1.70**
E24013—7 " " 1¾ " **2.15**
E24014—8 " " 2¼ " **2.60**
E24017—Coupe soup 7 in., act. 1¾ in. ..... Doz **2.15**

BAKER—Footed
E24026—7 in., act. 2¼ in. Doz **$4.20**

BOWL
E24031—3½ in. ..... Doz **$3.10**

PLATTERS—Footed
E24043—8 in. act. 1¼ in. Doz **$4.20**
E24045—10 " " 1¼ " " **7.35**
E24047—12 " " 1¼ " " **11.00**

SALAD—
E24032—7 in., act. 2¼ in. Doz **$3.80**

FRUIT—
E24026—4 in., act. 2¼ in. Doz **$0.90**

OATMEAL
E24045—8½ in. act. 2¼ in. Doz **$1.95**

CREAMER—
E24076—3½ in. ..... Doz **$3.60**

COVD. SUGAR—
E24077—3½ in. ..... Doz **$7.35**

COVD. BUTTER—With drainer
E24078— ..... Doz **$11.00**

COVD. DISH ..... Doz **$12.85**

CASSEROLE—Round
E24083—7 in., act. 4¼ in. Doz **$14.70**

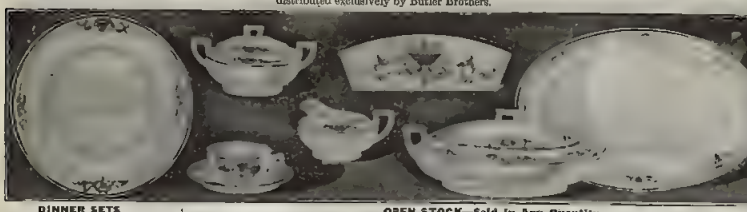
SAUCE BOAT—Handled. Doz **$4.90**

PICKLE DISH
E24084—8½ in. Doz **$2.45**

"PRESIDENTIAL"

"HOMER LAUGHLIN" trademarked, "Kwaker" shape, white semi-porcelain, design in blue, green, pink and yellow. Controlled and distributed exclusively by Butler Brothers.

NO PACKAGE CHARGE



DINNER SETS

E13794—31 piece set.
Shipping weight about 30 lbs.
SET (31 pcs) **$4.00**

E13790—42 piece set.
Shipping weight about 40 lbs.
SET (42 pcs) **$6.10**

E13796—50 piece set.
Shipping weight about 50 lbs.
SET (50 pcs) **$8.25**

E13793—100 piece set.
Shipping weight about 90 lbs.
SET (100 pcs) **$16.95**

For composition of sets see bottom of page

CUPS AND SAUCERS—
E13709—Tea 3¾x2½ in., saucer 6¼ in.
DOZ (24 pcs) **$2.95**

PLATES—
E13710—6 in. act. 6 ..... Doz **$1.35**
E13711—7 in. act. 7 ..... **1.65**
E13712—8 in. act. 8 ..... **1.95**
E13713—7 in. act. 9 ..... **2.30**
E13714—8 in. act. 10 ..... **3.25**
E13717—Coupe soup, 7 in. act. 8
Doz **$2.30**

BAKERS—
E13724—7 in. act. 8 ..... Doz **$4.05**

OPEN STOCK—Sold in Any Quantity

BOWLS—
E13744—5 in. act. 5 ..... Doz **$3.55**

PLATTERS—
E13743—8 in. act. 11¼ ..... Doz **$3.40**
E13745—10 in. act. 13½ **5.10**
E13747—12 in. act. 16¾ **10.20**

SALAD—
E13748—8 in. act. 8½ ..... Doz **$4.05**

FRUIT—
E13749—5 in. act. 5½ ..... Doz **$1.00**

CREAMER—
E13750—6 oz. ..... Doz **$2.15**

PICKLE DISH—
E13776—10½ ..... Doz **$4.05**

COVERED SUGAR—
E13777—10½ ..... Doz **$2.10**

COVERED BUTTER—With drainer
E13778—7 in. ..... Doz **$12.15**

CASSEROLE—Individual
E13782—7 in. ..... Doz **$14.20**

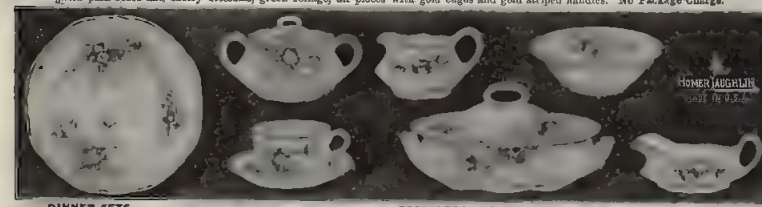
CASSEROLE—Round
E13783—7 in. ..... Doz **$16.20**

BUTTER BOAT—
E13784—6½ in. stand attached
Doz **$12.15**

PICKLE DISH—
E13786—8½x5½ ..... Doz **$2.20**

"CENTURY"

"HOMER LAUGHLIN" trademarked. Light weight semi-porcelain, not strictly first selection, but good merchantable ware, scalloped embossed edges, hollow pieces paneled indented, spray decorations with pink roses and cherry blossoms, green foliage, all pieces with gold edges and gold striped handles. No Package Charge.



DINNER SETS

E12294—31 piece set.
Shipping wt. about 30 lbs.
SET (31 pcs) **$3.75**

E12290—42 piece set.
Shipping wt. about 40 lbs.
SET (42 pcs) **$5.75**

E12296—50 piece set.
Shipping wt. about 50 lbs.
SET (50 pcs) **$8.25**

E12293—100 piece set.
Shipping wt. about 90 lbs.
SET (100 pcs) **$16.25**

For composition of sets see bottom of page

CUP AND SAUCER—
E12309—Tea 3½x2¾ in., saucer 6¼
DOZ (24 pcs) **$2.60**

PLATES—
E12310—6 in. act. 6 ..... Doz **$1.20**
E12311—7 in. act. 7 ..... **1.35**
E12312—8 in. act. 8 ..... **1.60**
E12313—9 in. act. 9 ..... **2.10**
E12314—8 in. act. 10 ..... **2.75**
E12316—Deep soup, 7 in., act. 9
Doz **$2.40**
E12317—Coupe soup, 7 in., act. 8
Doz **$2.10**

BAKER—
E12324—7 in., act. 8¾x6¾ ..... Doz **$3.80**

OPEN STOCK—Sold in any quantity

BOWL—
E12321—5 in. 4¾x2½ ..... Doz **$3.00**

PLATTERS—
E12243—8 in., act. 11¼x8¾ **$3.00**
E12245—10 in. 13¾x10¾ **5.40**
E12247—12 in. 16¾x13¼ **9.00**

SALAD—
E12325—7 in., act. 9 ..... Doz **$3.60**

FRUIT—
E12326—5 in. act. 5 ..... Doz **$1.20**

CREAMER—
E12276—10 oz. ht. 3½ ..... Doz **$1.90**

PICKLE DISH—
E12286—8½x5½ in. ..... Doz **$3.80**

COVERED SUGAR—
E12277—9½ ht. 6 ..... Doz **$7.20**

COVERED BUTTER—With drainer
E12278—7 in. ..... Doz **$10.80**

INDIVIDUAL BUTTER—
Doz **60c**

COVERED DISH—Oval
E12284—8 in. ..... Doz **$12.00**

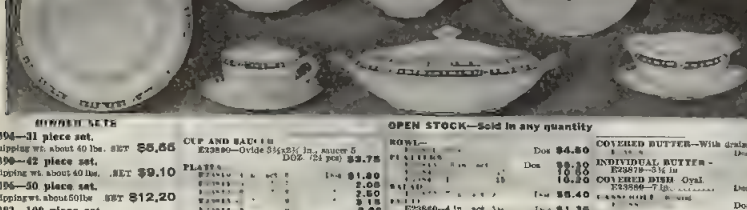
CASSEROLE—
E12285—7 in. ..... Doz **$14.40**

BUTTER BOAT—Attached stand
E12284—6 in. ..... Doz **$14.40**

PICKLE DISH—
E12286—8½x5½ in. ..... Doz **$1.80**

"DELMONTE"

NATIONAL CHINA CO'S first quality light weight white semi-porcelain, delicate pink rose, daisies and forget-me-nots on black band, gold edges, striped handles and verge line. No Package Charge.



DINNER SETS

E23894—31 piece set.
Shipping wt. about 40 lbs. SET **$5.65**

E23890—42 piece set.
Shipping wt. about 40 lbs. SET **$9.10**

E23896—50 piece set.
Shipping wt. about 50 lbs SET **$12.20**

E23893—100 piece set.
Shipping wt. about 90 lbs ..SET **$24.00**

For composition of sets see bottom of page

CUP AND SAUCER—
E23880—Oxide 3½x2¾ in., saucer 5
DOZ (24 pcs) **$3.75**

PLATES—
E23881—6 in. act. 6 ..... Doz **$1.80**
E23882—7 in. act. 7 ..... **2.00**
E23883—8 in. act. 8 ..... **2.50**
E23884—9 in. act. 9 ..... **3.15**
E23885—10 in. act. 10 ..... **3.95**
E23886—Coupe soup, 7 in. act. 8
Doz **$3.00**
E23887—Deep soup, 7 in. act. 9
Doz **$3.40**

BAKER—
E23874—7 in., act. 9½ .... Doz **$5.40**

OPEN STOCK—Sold in any quantity

BOWL—
E23888—5 in. act. 5 ..... Doz **$4.80**

PLATTERS—
E23889—8 in. act. 11¼ ..... Doz **$3.30**
E23891—10 in. act. 13¾ **10.05**
E23892—12 in. act. 16¾ **16.20**

SALAD—
E23876—8 in. act. 8½ ..... Doz **$5.40**

FRUIT—
E23860—4 in. act. 4½ ..... Doz **$1.35**

CREAMER—
E23861—6 oz. ..... Doz **$5.40**

COVERED BUTTER—
E23877—9½ ..... Doz **$10.80**

COVERED BUTTER—With drainer
E23878—7 in. ..... Doz **$16.20**

INDIVIDUAL BUTTER—
E23879—3½ in. ..... Ea **90c**

COVERED DISH—Oval
E23886—7 in. ..... Doz **$18.00**

CASSEROLE—Round
E23884—7 in. ..... Doz **$21.60**

BUTTER BOAT—Attached stand
E23884—6 in. ..... Doz **$16.20**

PICKLE DISH—
E23886—8½x5½ in. ..... Doz **$5.40**

Composition of Our Dinner Sets

31 Piece Set

6 tea cups, 6 plates, 7 in.
6 saucers, 6 fruits, 4 in.
6 plates, 6 in. 1 platter, 12 in.

WE WILL GIVE YOU QUOTATIONS ON ANY SET YOU THINK YOU CAN SELL.

42 Piece Set

12 tea cups, 1 bowl 9½x3 in.
6 saucers, 1 platter, 12 in.
6 plates, 6 in. 6 fruits, 4 in.
6 plates, 7 in. 1 covered sugar (2 pcs.)
6 plates, 9 in. 1 creamer

50 Piece Set

12 tea cups, 1 sugar (2 pcs.)
12 saucers, 1 bowl 9½x3 in.
6 plates, 6 in. 1 dish, 10 in.
6 plates, 8 in. 1 creamer
6 plates, 9 in. 1 platter, 12 in.
6 coupe soups, 1 covd. dish (2 pcs.)
6 deep soups, 4 in.

100 Piece Set

12 tea cups, 12 fruits, 4 in.
12 saucers, 1 covd. sugar (2 pcs.)
12 plates, 6 in. 1 creamer
12 plates, 8 in. 1 butter dish (3 pcs.)
12 plates, 9 in. 1 casserole (2 pcs.)
12 coupe soups, 1 covd. dish (2 pcs.)
1 bowl, 7 in. 1 sauce
1 platter, 8 in. 1 pickle
1 platter, 12 in.

CELEBRATION GOODS

Aside from our low prices merchants like to buy from Butler Brothers because they can get their entire line of Celebration Goods in one shipment—saving freight and handling charges

"National" Repeating Cap Pistol and Caps

1K7360—Pistol, white nickeled, automatic pistol loads, action feeds caps and ejects caps. 1 doz. in box. Doz. **$1.85**

5 to 1 Combination (By selling the 25c pistol for only $1.00 with 5 boxes of caps at 5c each you get $3.25 a combination)
1K7366—Consisting of 1 doz. "National" repeating cap pistols and 5 doz. boxes caps. 50 shots on roll. 5 rolls in box. Over all size 6½ x 3½ x 1½ in. Combination **$3.95**

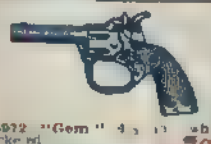
10 to 1 Combination (By selling the 5c package of caps for NATIONAL with 10 boxes of CAPS at 5c each you get $5.00 a combination)
1K7365—Consisting of 5 doz. "National" repeating cap pistols and 10 doz. boxes caps. 50 shots on roll. 5 rolls in box. Combination **$3.95**

1K7361—Caps. 50 shots on roll. 5 rolls in box. Retail 5c per box. Doz. boxes **21c**

Note: Caps cannot be shipped parcel post.

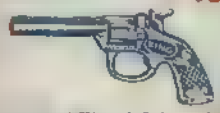
PAPER CAP PISTOLS

Attractive models, perfectly made, smooth operating. Easy for children to work.



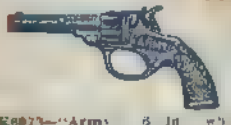
1K6972—"Gem," 4½ in., white nickeled. 1 doz. in box. Doz. **72c**

1K6976—"Cop," safety combustion chamber, sparks from ammunition cannot injure user. 4½ in., white nickeled. 1 doz. in box. Doz. **80c**



1K6975—"King," 5 in., white nickeled. 1 doz. in box. Doz. **79c**

1K6974—"Navy," 7½ in., nickeled, trigger guard, 6 shot revolver model. 1 doz. in box. Doz. **$1.85**



1K6977—"Army," 8 in., white nickeled, trigger guard, 6 shot revolver model. 1 doz. in box. Doz. **89c**

—"Tiger," 6¾ in., white nickeled. 1 doz. in box. Doz. **$1.70**

"BIG BILL" SAFETY CAP PISTOL

1K7370—White nickeled, large explosion chamber. 1 doz. in box. Doz. **42c**

1K7371—Ammunition for "Big Bill" cap pistol. 60 super mammoth shots in pkg. 12 pkgs. in box. Doz. pkgs. **42c**

Note: Orders for number 1K7370 cap pistol must be accompanied by 1K7371 Ammunition in proportions of not less than 5 dozen packages of caps to 1 doz. pistols. We reserve the right to change orders for less quantities than given above packages.

ROUND CUT PAPER CAPS

Full count, best quality. 1 gro. boxes to carton.

1K6705—50 s. regular. 50 caps in box. 6 cartons to case. Gro. boxes **58c**

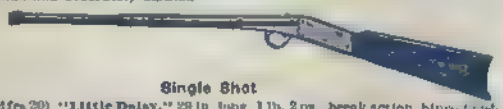
1K6706—15 s. mammoth. 15 caps in box. 6 cartons to case. Gro. boxes **95c**

Caps cannot be packed with other goods but must be ordered on a separate order, therefore we cannot fill orders for less than $2.50 either of one number or assorted.

AIR RIFLES POP GUNS, SPARKLERS AND WATER PISTOLS

WELL KNOWN "DAISY" AIR RIFLES

The following numbers represent the best sellers from the well known "Daisy" line. All with walnut stocks and accurately sighted.



Single Shot

1F2631—(Mfrs. 20) "Little Daisy," 29 in. long, 1 lb. 2 oz., break action, blued steel parts, ¼ doz. in pkg. Doz. **$7.20**

350 Shot Repeater

1F2633—(Mfrs. 11) 31½ in. long, 1 lb. 11 oz., lever act on, nickeled finish steel parts, ¼ doz. in pkg. Doz. **$16.00**

1,000 Shot Repeater

1F2635—(Mfrs. 3) 36 in. long, 3 lbs. 9 oz., lever action, nickeled finish steel parts. 1 in box. Each **$2.00**

"RONSON" AUTOMATIC PISTOL AND RELOADS

Exact miniature of large automatic. Will shoot as fast as trigger can be pulled, flashing and making sharp noise like cap pistol.

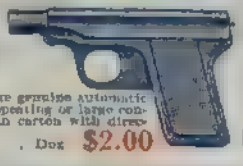
1F2655—4½ in., black barrel and corrugated grip shaped nickeled frame, long trigger guard, paper ejected at muzzle produces noise almost resembling real pistol. Shoots 6,000 shots without reloading. Easily reloaded. Guaranteed to work properly. Complies with laws of every state. Each in box with full instructions. 1 doz. in display cabinet. Doz. **$2.00**

1F2656—Reloads for 1F2655 pistol. Retail at 5c per reload which produces about 5,000 shots. Each reload in gelatine capsule in glazed paper sleeve clip. 3 doz. in display box. Doz. **35c**

DISPLAY CELEBRATION GOODS EARLY
Order from these pages and start your selling early

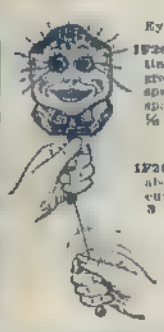
AUTOMATIC WATER PISTOLS

1F1699—"Zip," 5 in. long, squirting trigger action, nickeled barrel, green body and cocking grip, looks like an automatic pistol. 1 doz. in box. Doz. **87c**



1F1693—"Daisy Automatic," 5½ in. long, gun metal finish steel body, double spring action, lever operated pistol grip trigger, shoots small repeating or large continuous stream, each in carton with directions. 1 doz. in box. Doz. **$2.00**

"ARCHIE"—THE FRECKLED KID



Eyes emit sparks when toy is operated.

1F2613—5½ in. metal head and face tinted to natural colors, collar and tie, green trousers, red eyes. Automatic sparking action by means of Ronson spark metal and emery. Each in box. ¼ doz. in pkg. Doz. **$8.40**

1F2659—Reloads, for numbers shown above. Each reload in glazed paper envelope. 3 doz. in box. Doz. **36c**

"RONSON" MAGIC SPARKLER

A new and effective line in sparklers. Absolutely harmless. Full of flaring contents in pack of all colors. Not to be confused with fireworks.

1F2618—6½ in. high all metal tube filled with an illuminated automatic sparkling action by means of emery and "Ronson" spark metal. ¼ doz. in pkg. Doz. **$2.00**

1F2658—Reloads for 1F2618 sparkler. Each reload in glazed paper envelope. 3 doz. in box. Doz. **36c**

CELEBRATION GOODS

Don't overlook the best bets of the Summer holidays—confections and picnic supplies. You'll find every need here, priced to give you maximum profit

ICE CREAM CONES

"Polar Brand"—Sweet sugar cone 5c size, fluted, 18 to qt.
Y9516—100 in box. Per 100 **28c**
Per M **$2.50**

"Rold Gold"—Best materials sugar sweetened carefully packed 24 to the quart.
Y9520—100 cones in box. Per 100 **$0.35**
Per M **3.25**
10 M or more, shipped from factory freight prepaid. Per M **$2.85**

"Cremo"—Improved cup cones, 20 to quart size entirely new appointment and easy to handle. Same high Quality as "Cremo" cake cone.
Y9528—100 in box. Per M **$4.40**
5 M or more. Per M **4.25**
Shipment from factory on 5 M or more freight prepaid.

"CREMO" ICE CREAM WAFERS

For ice cream wafer sandwich

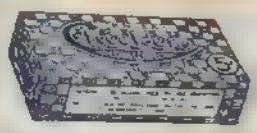
Y9551—2½x3½ in. 500 wafers in box 50 extra wafers in box. Box **$1.65**

You will find many other big Summer sellers on our regular candy pages. Candies, peanuts, gum, everything that is in demand during the warm months.

"CHOCOPOCO" PRIZE PACKAGE

Y8003—Sugar coated chocolate flavored pop corn, oversize package, gift in each box.
50 pkgs. in case. Case **$1.70**

SHOTWELL'S "PRIZE CHECKERS"

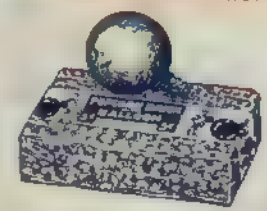


Y639—Pop corn confection in pkg. with answer or counter display box to hold 16 pkgs. in each case.
50 pkgs. in case 14 lbs. Case **$1.82**
Note—Freight allowed not to exceed $.60 per cwt. in .60 in shipments from Chicago factory.

PRIZE "JUMBO" POP CORN

Y9081 Big package of popcorn, crisp sugared pink and white, prize in each pkg.
50 pkgs. in case. Case **$1.70**

SHOTWELL'S POP CORN BRICK WITH BALLOON



Y636—Sweetened corn wrapped in colored tissue and handled, each brick with good assortment of 50 bricks in case, 13 lbs. Case **$1.88**

PAPER CUPS

"Lily" Cup Style—Heavy fluted waxed paper roll edges. 100 in tube.
Y9051—7 oz. Per 100 **$0.40**
Per M **3.75**
Y9052—8 oz. Per 100 **$0.60**
Per M **6.00**

"Puritan" Envelope Style—Heavy waxed paper, 2 in carton.
Y8007—25 cartons 625 cups in case. Case **$1.85**

PICNIC SPOONS, DISHES AND FORKS

Tinned Spoon—3½ in., smooth edge.
Y8806—1 M in box... Per M **$1.35**

"SANISPOON'S" Hard, pressed paper, washable.
MIDGET SIZE—
Y9548—1M in carton Per M **$1.75**
DESSERT SIZE.
Y9559—1M in box. 2 doz. boxes in carton. Doz boxes **80c**
Y9588—1 M in carton Per M **$2.25**
TEA SIZE—
Y9560—1M in box. 2 doz. boxes in carton. Doz boxes **80c**
Y9354—500 in carton. Per M **$4.00**

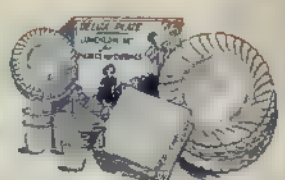
"SANIFORKS"—Hard pressed paper washable.
SALAD SIZE—
Y9561—1M in box. 2 doz. boxes in carton. Doz boxes **80c**
MIDGET SIZE—
Y9557—1M in carton. Per M **$2.85**

Round Plates—heavy manila stock sanitary and waterproof, fluted edge. 1,000 in pkg.
Y8095—4 in. Per M **$1.45**
Y8097—5 in. " **2.40**
Y8098—6 in. " **3.60**

Square Plate—4x4 in heavy manila stock sanitary and waterproof, fluted corners.
Y8894—1,000 in box. Per M **$1.55**

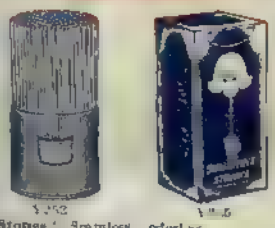
ICE CREAM AND PICNIC LUNCHEON SETS

24 Pc. Set—Six each 11x14 crepe paper napkins 6 in. doilies waterproof ice cream dishes and 8½ in. tin spoons. 24 pcs. in set in glassine env.
Y9587—1 doz. sets in box. Doz sets **80c**



"DeLux" 31 Pc. Set—Six each of the following: 8 in. picnic plates, 4½ in. ice cream plates, paper drinking cups, tablespoons, white napkins and one doily, with crepe nole cover. 31 pcs. in set.
Y9588—1 doz. sets in carton. Doz sets **$2.00**

SODA STRAWS



Stones' Seamless, odorless.
Y252—500 in tube. Tube **$0.27**
60 tubes in case. Case **11.75**

"Sunshine" Sparkle sterilized.
Y225—500 in 2 color carton. Tube **$0.25**
60 tubes in case. Case **11.75**

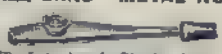
ICE CREAM PAILS

Full size, strongly made 1 pc. manila boxes, cannot leak, wire handles, 100 in box.
Y9550—½ pt. Per 100 **$0.60**
Per M **5.20**
Y9552—1 pt. Per 100 **$0.78**
Per M **7.50**
Y9555—1 qt. Per 100 **$1.10**
Per M **10.50**

BELL BOTTOM TIN HORNS

Bright red, white and blue finish, bell bottom, turned wood mouthpiece, loud brass reed.
1F3204—10½ in. long. 3 doz. in box. Doz **36c**
1F3212—14 in. long. 3 doz. in box. Doz **79c**

"JAZZ BAND" METAL HORN



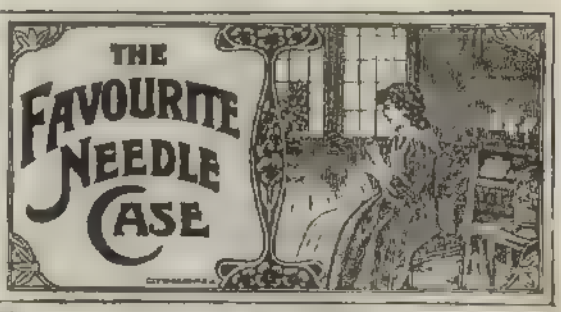
1F2350—Jazz band 7½ in. long, bright metal, wood mouthpiece, bold brass reed, imitates musical instruments, brass, etc. 3 doz. in box. Doz **$0.78**
Gro **9.00**

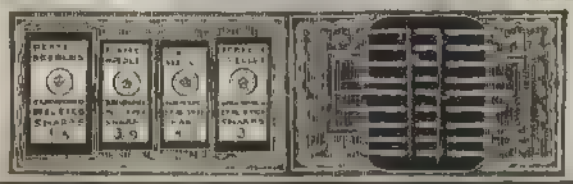
"Master Cary-Ola" Portable Phonograph

The supreme achievement in portable phonographs. Special tone transmitter gives greater volume.

1F4703—11x12x8 in. substantially constructed case with heavy fabric cover, spring motor type, fine tone transmitter in addition to tone arm gives greater volume and better tone. Shelved (eliminates cover space for holding 15 records, reversible reproducer, absolutely no rattling. 1 in carton. 17 lbs. Each **$16.50**

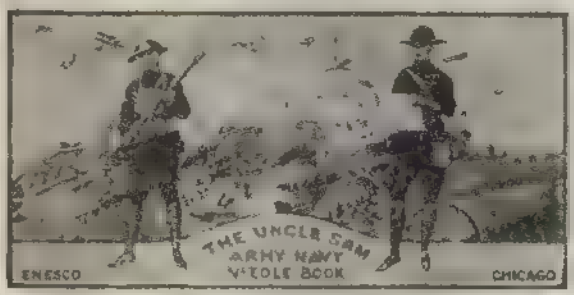
Popular Priced Needle Books

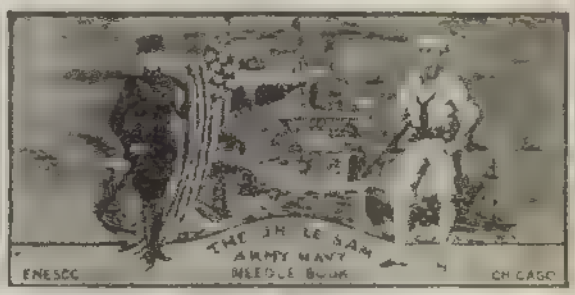




Favorite Needle Case. A household necessity. Each book contains 4 papers of high grade silver eyed sharp needles in assorted sizes and 1 patch of 9 assorted needles including a good selection of darning, mending needles, etc. Each book in an envelope.

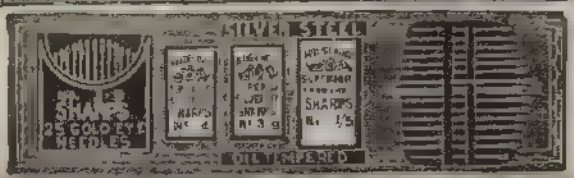
No. 22D68. Per gross 4.00 Per doz. .35





The "Uncle Sam Army and Navy" Needle Book. Cover design executed in attractive colors. Each book contains 3 papers of silver eye needles in assorted sizes, 1 paper of 25 size 3-9 gold eye needles, and 1 cloth patch containing 1 bodkin and an assortment of 14 other needles such as darners, mending needles, etc.

No. 22D72. Per gross. .. 5.75 | Per dozen... .50



Our "American" Army and Navy Needle Book. Two artistic views of the American Army and Navy life. These pictures are executed on the covers in colors. The contents are 3 papers silver eye needles; assorted sizes, 1 paper of 25 gold eye assorted, sizes 3 to 9. Also a cloth patch containing 1 bodkin and an assortment of 14 other needles such as darners, mending needles, etc.

No. 22D58. Per gross..... 5.75 . Per dozen.... .50

New Home Sewing Outfit

New Home Sewing Outfit. A wonderful selection of items used every day by the busy housewife in her sewing room. Contents: 1 spool each black and white John J. Clark's thread, 2 dozen pearl buttons, 24 hooks and eyes, 1 pair of 4½ inch scissors, 1 thimble, 1 roll binding, 1 paper of pins, 1 tape measure and 1 package of asorted sewing needles. Each outfit in box

No. P80. Per dozen outfits..... 4.50

Variety Store Assortment

No. P83 Complete **6.35**

No. P83

		Retails for	Brings in
12	Collar Button sets	.10	1.20
12	Sharpening Stones	.10	1.20
12	Cards Pin Sets (6 on card)	.10	1.20
12	Cards Safety Pins	.10	1.20
12	Key Rings (assorted)	.10	1.20
12	Aluminum Clothes Sprinklers	.10	1.20
12	Metal Water Sprinklers	.10	1.20
12	Cabinets Assorted Hair Pins	.10	1.20
12	Pkgs. Court Plaster	.10	1.20
12	Papers of Pins	.10	1.20
12	Aluminum Tea Strainers	.10	1.20
12	Cards Snap Fasteners	.10	1.20
12	Metal Can Openers	.10	1.20
12	Cards Veil or Bar Pins	.10	1.20
12	Pocket Combs in case	.10	1.20
12	Pair Black Shoe Laces	.10	1.20
12	Pair Brown Shoe Laces	.10	1.20
12	Pkgs. Mending Tissue	.10	1.20
			21.60
	Our Price		6.35
	Your Profit		15.25

Big "9" Sewing Assortment

Big "9" Sewing Assortment. One of the biggest sellers in our line. Each assortment contains the following:

1 doz. pearl buttons.
1 spool J. J. Clark's thread.
1 combination pin cushion.
1 doz. safety pins.
1 only thimble.
1 paper 25 gold eye needles.
1 paper 20 assorted darners.
1 dozen white tape.
3 doz. white dress fasteners.

Each assortment in box.

No. P81. Per dozen boxes..... 3.75

Household Mending Outfit

Household Mending Outfit. Contains an assortment of staple articles used in every household for mending or sewing.

1 Pair Scissors
1 Needle Threader
1 Thread Cutter
1 Card Safety Pins
1 Paper Pins
1 Dozen Black Japanned Pants Buttons
1 Dozen White Bone Buttons
1 Tape Measure
1 Darning Egg
1 Envelope Mending Tissue
1 Thimble

1 Needle Book, containing 5 Papers of Sewing Needles and 1 packet of 15 Assorted Darners. Each set in box.

No. P82. Per dozen sets..... 4.50

GALVANIZED WARE

GARBAGE CANS

Nesco

Flaring, not swedged, sheet steel

Nos.	31	32
Capacity, gallons	3	4
Diameter top, in.	10½	11¾
Diameter bottom, in.	9¾	11
Height, inches	9½	10
Bundle lots, dozen	1	½
Weight bundle, lbs.	27	17
Per Dozen	$20.00	24.00

Nos.	33	34
Capacity, gallons	6	8
Diameter top, inches	12½	14
Diameter bottom, inches	11¾	13
Height, inches	12	14
Bundle lots, dozen	½	½
Weight bundle, lbs	20	28
Per Dozen	$28 00	34 00

WATER PAILS

Nesco

Nos.	Cap., Qts.	Size, Inches	Weight Bundle Lbs	Per Dozen
82	8	9⅜ x 8½	19	$4 95
102	10	10½ x 8¾	21	5 60
122	12	11 x10	25	6.15
142	14	11½x10¼	27	6.90
162	16	11½x10⅞	30	8 35

One dozen in a bundle.

HEAVY PAILS

Lawco

Plain bail; banded.

Nos.	612	614
Capacity, quarts	12	14
Diam. top, in.	11⅞	12½
Diam. bottom, in.	8⅞	9¼
Bundle lots, doz	1	1
Wt bundle, lbs.	48	54
Per Dozen	$10 50	12 00

HERCULES CEMENT PAILS

Nesco

Galvanized Sheet Steel

Double extra heavy double braced bottoms; riveted hoop around top; heavy steel wire bail

No.	14
Trade capacity, qts.	14
Size, inches	11¾x10½
Weight bundle, lbs.	40
Per Dozen	$30.00

Half dozen in a bundle.

FIRE PAILS

Nesco

Galvanized sheet steel; plain; round bottoms

Nos.	212	214
Trade cap., qts.	12	14
Size, inches	10½x10¾	11x12
Wt. bundle, lbs.	22½	25
Per Dozen	$7.95	8.80

One dozen in a case.

Nesco, Conical

Galvanized sheet steel; plain.

No.	012
Trade capacity quarts	12
Size, inches	13¾x15
Weight case, lbs.	27
Per Dozen	$6 20

One dozen in a case

FEED MEASURES

Nesco

With Side Handles and Bail

Galvanized; graduated for ½, 1 and 1½ pecks.

Heavy wired rim; corrugated side handles securely riveted to body; heavy wire bail.

No.	26
Capacity, bushel	½
Size, inches	13x10⅝
Weight bundle, lbs.	26
Per Dozen	$16 00

Half dozen in a bundle.

WATERING POTS

Nesco

Galvanized Sheet Steel

Wide one piece spout; large oval breast opening; top and back handles are welded to the body.

Nos.	514	516	518	520
Trade capacity, qts.	4	6	8	10
Weight case, lbs.	16	19	23	25
Per Dozen	$12 00	13.50	16 00	18.50

Half dozen in a case.

A Quality Christmas Leader
that looks like twice its price

$1.75

Two Dollars West of the Mississippi

NEVA-LOST
LOCKING RADIATOR CAP

The price surprises 'em always—*such* quality at $1.75 makes it a real feature for holiday sale.

Shoppers see at a glance that it is handsomer than caps that cost much more.

Easy to open and close—no fooling with snaps or latches. The husky bayonet fastening is built *inside*, and the hinge is husky too.

A quality cap at a *minus-price*—a wonderful item for Christmas.

How the Neva-Lost looks when opened. Note simplicity of its construction.

Made for Universal size Moto-Meter. No charge for adapters to use with Midget size.

Ask your jobber's salesman—or one of the following representatives:

NEW ENGLAND
Joseph Greenman
12 Nightingale St.
Boston, Mass.

N. Y., N. J. and PENN.
G. I. Trilling
294 W. 115th St.
New York City

SOUTHEASTERN
B. H. Baughman & Co.
88 Spring St.
Atlanta, Ga.

NORTH CENTRAL STATES
Walter Eckhouse & Co.
616 S. Michigan Blvd.
Chicago, Ill.

NORTHWESTERN
C. E. Mosbray
311 First Ave. N
Minneapolis, Minn.

PACIFIC COAST
Berger & Co.
1851 S. Hope St.
Los Angeles, Cal

WELKER-HOOPS MFG. CO., Middletown, Connecticut

Manufactured by the Makers of Neva-Lost Gas Tank Cap

$1.75

NEVA-LOST

LOCKING RADIATOR CAP

Quality built for quantity sale. That tells the story of the new Neva-Lost radiator cap. Never has there been so beautiful a radiator cap at anywhere near the low price of Neva-Lost.

It locks the Moto-Meter and locks itself against the cleverest thief. Can't be stolen or even loosened when once in place.

A quarter turn and it opens on its husky hinge. Close it and a quarter turn locks it tight and leak-proof.

Made for the Universal size Moto-Meter. Adapters for Midget size furnished without charge.

Ask your jobber's salesman for details. Ask him about the handsome display stand, too. It's free.

WELKER-HOOPS MANUFACTURING CO.
Middletown Connecticut

MOUSE TRAPS

WOOD CHOKER, ROUND

Red stained base, coppered steel wire springs.

Per Dozen

No. 5W—4 hole, 5¼ in. diameter, 1½ in. high, weight per dozen 4 lbs. $2.00

One Dozen in a Package.

CLIPPER

Wire, rounded ends, safety door, 7 coppered flat steel ribs, No. 19 coppered wire.

Per Dozen

Clipper—Height 4 in., length 9 in., width 5 in., weight per dozen 7½ lbs. $6 00

One-half Dozen in a Package.

HOLDFAST

Coppered steel wire spring, hardwood base and trigger, faced with tin, all parts stapled to base.

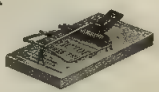
Per Dozen

No. 25—Mouse, base 1⅛x3⅛ in., weight per dozen 1 lb.....$0 60

One Dozen in a Box.

VICTOR

Coppered steel spring wire, hardwood base, pressed steel trigger, very sensitive.



Per Dozen

No. V—Mouse, base 2x4 in., weight per dozen 1¼ lbs. $0.60

One Dozen in a Box.

RAT TRAPS

OFFICIAL

Wood base, powerful wire coppered spring, wire trigger.

Per Dozen

Holdfast—Base 7x3½x1⅜ in., weight per dozen 6 lbs..... ..$3.00

This trap is so arranged that the trigger is released by pressure from below as well as above, hardwood base, coppered wire spring and trigger.

One Dozen in a Carton.

RAT TRAPS

ACME, WIRE

Rounded ends, safety door, 9 coppered flat ribs, No. 13 coppered wire mesh.

Per Dozen

Acme—15½ in. long, 8½ in. wide, 6¾ in. high, weight per dozen 12 lbs. $12 00

One-half Dozen in a Crate.

STEEL GAME TRAPS

NEWHOUSE

The Newhouse is the original steel trap and the highest grade possible to manufacture. The trapper who knows will insist upon this brand. All parts are extra heavy construction. The springs are extra heavy and of special quality steel.

Single spring with chain.

Per Dozen

No. 0 —For rats, gophers, weasels, martens, etc. .. $6.10

No. 1 —For muskrat, skunk, opossum, rabbit, mink, marten, civet cat, etc. 7 25

No. 1¼—For mink, racoon, fisher, skunk, opossum, etc. 11.00

Specifications

Nos.	0	1	1¼
Spread of jaw, in.	3½	4	4⅝
Length of trap, in.	6⅝	8½	9⅝
Weight per dozen, lbs.	8	10	14⅝

Nos. 0 and 1, Twelve Dozen in a Case; No. 1½, Twenty-five Dozen in a Barrel.

Double spring, with chain.

Per Dozen

No. 2—For fox, raccoon, fisher, wildcat, opossum, etc. $ 16.50

No. 3—For otter, lynx, coyote, fisher, wildcat, beaver, badger, etc. 22 00

No. 4—For wolf, otter, lynx, cougar, beaver, wolverine, etc. 27.00

No. 5—With teeth jaws, for bear 205 00

Specifications

Nos.	2	3	4	5
Spread of jaws, in.	4¾	5½	6⅝	11¾
Length of trap, in.	14⅝	17	19	34½
Weight per dozen, lbs.	17⅛	28⅜	38¼	271
Dozen in barrel	15	10	8	1

GOPHER TRAPS

Trap is set in openng of burrow, its ring toward burrow and flush with the side. Hole is then closed so as not to interfere with its operation, and a little opening left at rear to admit light.

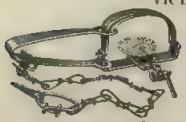
Per Dozen

Newhouse Gopher Trap—6 in. long, 3 in. ring, weight per dozen 2⅝ lbs. $2.75

One Dozen in a Carton, 12 Cartons in a Case.

STEEL GAME TRAPS

VICTOR



Crucible steel springs, steel wire chains, rings and staples, light construction, but well made with automatic machinery, single spring with chain.

	Per Dozen
No. OV —For rats, gophers, weasels, etc.	$2.44
No. 1V —For muskrat, skunk, opossum, etc.	3 10
No. 1½V For mink, skunk, raccoon, muskrat, etc	5 00

Specifications

Nos.	OV	1 V	1½ V
Spread of jaws, in.	3½	4	4⅝
Length of trap, in.	6¾	8¾	9⅝
Weight per dozen, lbs.	48	64	112
Dozen in a barrel	55	40	25

Crucible steel double spring, steel wire chain, rings and staples well made, plain jaws.

	Per Dozen
No. 2V—For fox, raccoon, fisher, etc.	$ 7.00
No. 3V—For wildcat, fox and lynx	11.00
No. 4V—For otters, beavers, wildcat, etc.	13.50

Specifications

Nos.	2 V	3 V	4 V
Spread of jaws, in.	4⅝	5¼	5⅞
Length of trap, in.	14½	17	19
Weight per dozen, lbs.	128	21½	24¼
Dozen in a barrel	16	10	9

ONEIDA JUMP

Best quality crucible steel spring. By slipping the tongue extension through a slot in the upturned portion of the bottom, thereby holding the sprung in place by tension and providing what amounts to practically a second spring, preferred by many hunters on account of being lighter than the regular traps. They can be set in places where other styles cannot be used, 18 inch chain

	Per Dozen
No. OJ For rats, gophers, weasels, etc.	$2 20
No. 1J —For muskrat, skunk, opossum, etc.	3 70
No. 1½J—For mink, skunk, raccoon, muskrat, etc	5 60

Specifications

Nos.	OJ	1J	1½J
Spread of jaws, in.	4	4⅝	5¼
Length of trap, in.	5¼	7⅞	9½
Weight per dozen, lbs.	5½	7⅞	9

One Dozen in a Carton, 12 Dozen in a Case

	Per Dozen
No. 2J—For coon, skunk, etc.	$9 60
No. 3J—For fox and otter	12.30
No. 4J—For otter, beaver, wildcat, etc.	14.75

Specifications

Nos.	2J	3J	4J
Spread of jaws, in.	5	6⅝	6½
Weight dozen, lbs.	15	26	36
Dozen in a barrel	20	12	9

FUR STRETCHERS

Made of Victor spring steel.

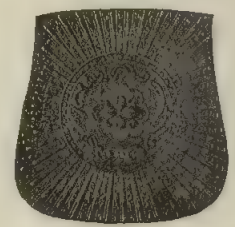
	Per Dozen
Victor—For stretching pelts, weight per dozen 6 lbs.	$1.40

Thirty Dozen in a Case.

FIBRE CHAIR SEATS

Extra thick, exceptional quality and material, embossed and beautifully finished.

BALL TOP SHAPE

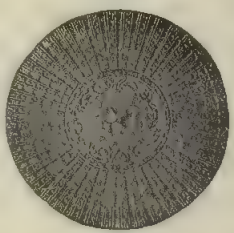


Black or Tan

Inches	12	13	14	15	16
Weight per 100, lbs.	60	72	84	96	108
Per 100	$30.00	30.00	30.00	30.00	30.00

Twelve in a Package.

ROUND



Black or Tan

Inches	12	13	14	15	15½	16
Wt. per 100, lbs.	60	72	84	96	102	108
Per 100	$30.00	30.00	30 00	30.00	30.00	30 00

Twelve in a Package

DINER OR LOCAL SHAPE

Black or Tan

Inches	11	12	13	14	15	16
Wt. per 100, lbs.	54	60	72	84	96	108
Per 100	$30 00	30.00	30.00	30.00	30.00	30.00

Twelve in a Package.

New Gardner 8 cylinder sedan

Gardner 8 Cylinder Sedan in Production

GARDNER MOTOR CO., INC., of St. Louis, are now in production on a sedan model of the new eight-in-line series, on which shipments are going forward regularly to all dealers. The new sedan is mounted on the regular eight cylinder chassis which has a wheelbase length of 125 in. carried by a 7 in. frame with 6 cross members.

The interior is equipped with silver finished vanity case set, corner and dome lights with satin finished mountings, cigarette holder, match case and ash tray. Arm rests are furnished for the rear compartment passengers as are satin window curtains. All doors carry rotary locks and all windows are furnished with rotary lifts. Mohair upholstering and trimmings are utilized throughout the interior. The one piece ventilating windshield is operated by rotary lifts and additional ventilation is provided by a flush type cowl ventilator. Head lamps are equipped with indirect non-glare lenses and the body finish is two tone Duco.

Standard equipment includes 30 x 5.77 balloon tires, shock absorbers front and rear, four wheel brakes, five Disteel wheels, bumpers front and rear, extra tire tube and cover. An automatic windshield wiper and a rear vision mirror are also furnished as regular equipment for this model.

Fords Now Have Quick Detachable Linings

All model T Ford cars coming through to dealers are now equipped with new style transmission bands. These new bands have quick detachable ends and are made in two pieces. Replacement of transmission band linings is now accomplished without removing the transmission case, as the detachable end permits withdrawal of the band assembly after the case cover is removed.

Hudson and Essex new coaches have increased visibility

Improvements to give better vision for driving have been made on the Hudson and Essex coaches by the use of narrower front window posts which are now made of steel instead of wood. Photograph shows improved Hudson coach.

VIOLET RAY MACHINES "Also Dept. 8."

A Marvelous Achievement in Health Building.

There is practically no ailment that will not respond to the healing influences of Violet Ray.

These machines are used, approved and recommended by Physicians, Osteopaths, Beauty Specialists and Scientists everywhere.

BLEADON DUN

A specially constructed Tesla coil is contained in a handle composed of highly polished insulated hard rubber, and is shock proof, the magnet coil adjustment is mounted in an imitation leather covered case, size 10x5½x3 inches. Complete with 7 feet of flexible cord and attachment plug; 6 feet of heavy insulated spark proof cord to handle

No.	VR-110BA
Voltage	110
1 to 11, Each	$25 30
12 or more, Each	24 30

One in carton; wt each 3 lbs.

MARVEL

One piece Violet Ray instrument. Simple in construction, easily operated. Equipped with a special applicator, 7 feet of heavy insulated cord to handle that enables treatments to be made at home. Each outfit packed in a handsome imitation leather case.

		Each
No. MVR-110—110 volts	19 20	$8 50

One in carton; wt each 2½ lbs.

ELECTRIC VIBRATORS "Also Dept. 8."

STAR

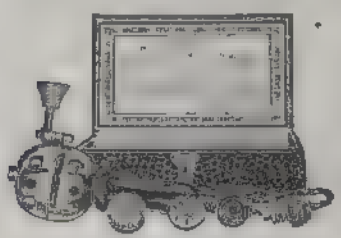
Nickel plated motor, with black enameled wood handle.

Outfit consists of one vibrator with 6 foot cord and attachment plug and three applicators:—vacuum cup applicator, made of finest rubber; comb applicator, made of high grade rubber and hard ball applicator. Alternating current.

No.	S-110-AC
Volts	110
1 to 11, Each	10 50
12 to 24, Each	10 05
List Price, Each	$5 00

One outfit in cardboard box; wt 3½ lbs.

UNIVERSAL



Nickel plated motor with black enameled wood handle. Equipped with a start and stop switch in handle

Outfit consists of one vibrator with 6 ft. cord and attachment plug and four special applicators.

Put up in a neat leatherized wooden box. Operates on alternating and direct current.

No.	S-110-U
Volts	110
1 to 11, Each	$27 00
12 to 24, Each	25 50

One outfit in carton; wt each 6 lbs.

ELECTRIC VIBRATORS "Also Dept. 8."

NEW LIFE

For Massaging.

Sold mostly to barber shops and individuals. Aluminum finish motor, with black enameled handle; length 8 inches.

Outfit consists of one vibrator with cord and attachment plug for connecting it to the electric light fixture and six applicators. Packed in black leatherette case, lined with purple satin. A speed regulating switch enables the motor to be run at whatever speed desired. Size case 11½x7x4 inches.

A 300 page cloth bound book of instructions given free with each vibrator. Runs on frequencies from 25 to 60 cycles.

Alternating Current.

Nos.	A-110-AC	A-220-AC
Volts	110	220
Each	46 20	+51 15
List Price, Each	$19 50	21 00

Direct Current.

Nos.	A-110-DC	A-220-DC	A-32-DC
Volts	110	220	32
Each	+46 20	+51 15	51 15
List Price, Each	$19 50	21 00	21 00

One outfit in carton; wt each 6½ lbs.

UNIVERSAL

Runs on either A. C. or D. C.

Nickel plated motor with black enameled wood handle.

Outfit consists of one vibrator with 6 feet cord and attachment plug; three soft rubber applicators and one flat nickel plated metal plate. Packed in black leatherette case, 4½x7¼x11½ inches. Operated on either alternating or direct current.

Nos.	D-110-U	D-220-U	D-32-U
Voltage	110	220	32
Each	40 50	+45 60	45 60
List Price, Each	$16 50	18 00	18 00

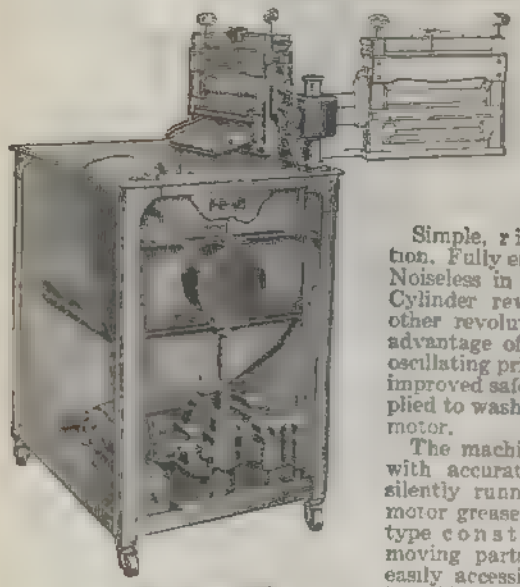
One outfit in carton; wt each 4½ lbs.

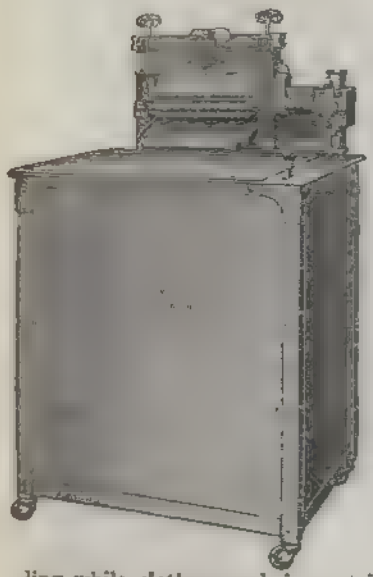
+F. O. B. Wisconsin Factory Only.

D 5

WASHING MACHINES "See Dept. 6."

UNIVERSAL, ELECTRIC





Simple, rigid construction. Fully enclosed cabinet. Noiseless in operation. Cylinder reverses every other revolution combining advantage of revolving and oscillating principal. Latest improved safety features applied to washer, wringer and motor.

The machine is equipped with accurately cut gears, silently running in light motor grease. Automobile type construction. All moving parts enclosed but easily accessible by removing side panel attached by screws.

Automatic safety clutch in drive shaft. Should the motor become overloaded due to clogging in the rolls, the patented Universal Safety Clutch will immediately cut off power from cylinder and wringer thus preventing possible injury to motor or mechanism. When overload is relieved by reversing the wringer control the washer will start immediately.

Durable, sanitary zinc cylinder, 18½ inches long and 18 inches in diameter inside. Size and construction of cylinder holes prevent possible injury to most delicate fabric. When not operating cylinder automatically stops at the top and locks in that position thus preventing it from rolling while clothes are being put in or taken out.

Tub, quick draining, easily cleaned, with setting rim. Drain cock outside of cabinet 10 inches from floor has threaded end for attaching hose if desired.

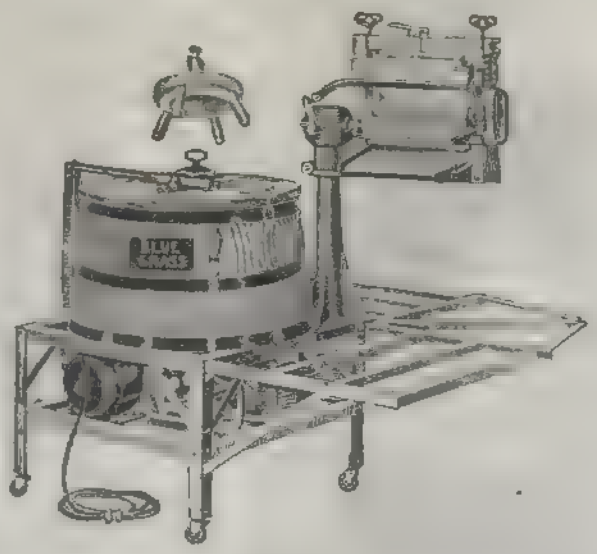
8 x 8 sheet capacity. Handsome blue gray finish. Detachable swinging wringer. Table top cover easily removed. All electric connections thoroughly insulated. Detachable 10 foot cord with rubber connection. Height to top of tub 30½ inches, floor space 24x30 inches.

Current		Alternating	Direct
Cycle		60	
Volts		110	32
Galvanized Tub	No.	E1930-110	
	Each	345 00	
		$119 50	
Copper Tub	Nos.	E1940-110	E1940-32
	Each	375 00	390 00
		$162 50	*167 50*

One in crate; ship wt 225 lbs.

WASHING MACHINES "See Dept. 6."

—BLUE GRASS—ELECTRIC



Dolly Type.

Equipped with accurately cut gears completely enclosed and operating in hard oil which insures smooth running and prevents wearing. Tub equipped with special lid locking device that holds lid in place and prevents wearing and working loose of hinges. Non-leak brass drain cock threaded for hose, drains tub from bottom. All power mechanism is under the frame and out of the way.

Frame of high grade angle steel reinforced and braced on all corners with all sections securely riveted together, aluminum finish. Mounted on easy rolling steel casters. The steel extensions for holding three tubs are hinged to the side of main frame and provides substantial support for the tubs. When not in use they are folded down close against the frame.

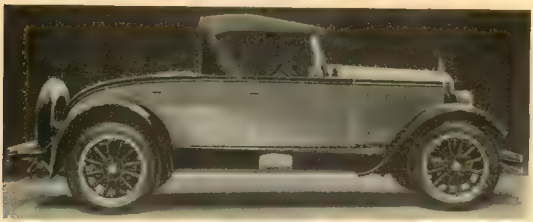
Improved splash-proof motor, specially designed and with excess power to more than take care of heavy load on both washer and wringer. Equipped with improved adjustment for tightening or loosening belt by turning adjusting knob.

Ball-bearing swinging type wringer with special 12 inch power electric rolls made of highest quality rubber. Equipped with shifting lever that starts, stops and reverses rolls with perfect ease, regardless of load. Special lever permits swinging and locking of wringer in any desired position. Mounted on supporting post securely bolted to angle steel frame and entirely independent of tub, eliminating any strain on the tub. Floor space with extension closed 28x29 ins; height over all 47 inches. Furnished with 10 foot extra heavy insulated cord and attachment plug.

Alternating Current, 60 Cycle, 110 volts.

	Each
No. BG34—Wood tub, selected southern cypress	$216 00
No. BG70—Copper tub, tinned inside	240 00

Crated; ship wt 300 lbs.



Velie four-passenger sport roadster

New Velie Sport Roadster

The Velie Motors Corp., of Moline, Ill., has just announced a new four-passenger sport roadster that has several interesting and unusual features. These relate particularly to the rear-deck dickie seat arrangement that provides accommodations for two additional passengers. An extra door at the side of the car permits easy entrance to the rear compartment—an improvement over the step plates heretofore common to cars with rear-deck compartments, as it eliminates climbing over the rear fender. The provision of a top over the rear-deck seat that may be folded out of sight when not in use constitutes an interesting departure.

Choice of two body colors is offered, both light tan or gray finish with upholstery in green Spanish leather being available. A detailed check-up of the new model's equipment discloses the fact that, in addition to possessing such features as hydraulic four-wheel brakes and balloon tires, that many supplementary features are to be found, including a cigar lighter, clock, dash gasoline gauge, automatic windshield cleaner and scuff plates. It has, besides, all of the more common accessories, such as bumpers, front and rear, motometer, stop light and cowl lights. The price is $1650 f.o.b. Moline, Ill.

Two new Moon sedan models.

Above are shown the new Moon four-door sedan listing at $1785 factory, finished in two-tone green and the two-door sedan at $1695 factory, done in marine blue and gray.

NILCO
NILCO LAMPS
make light of darkness
Nice house — but not so inviting
as it is over here with better lighting
Do you need more light at home?
LAMPS WILL HELP

$1.00

The window display above is the current trim of our Window Display Service which is sold to Nilco Dealers for one dollar. Each trim costs more than twice that much.

The Quality of Nilco Lamps

has been their outstanding feature for so many years (and still is) that we may neglect to tell our dealers about our plans to help sell them

The Merchandising Helps pictured here are all backed by the same "best or nothing" policy and the same careful attention to detail that stands behind the lamps themselves.

$10.00

The Counter Lamp Display stand, with individual switches and test sockets, sells for ten dollars, which pays for years of service from this talented salesman.

The Price and Data Book, the Price Folder and the "House You Live In" folder are imprinted with the dealer's name and furnished free to whoever can use them

Supplee-Biddle Hardware Company

Philadelphia, Pa.

INCANDESCENT LAMPS

Lamps for General Lighting

Volts	Size in Watts	Bulb	Base	Standard Package Quantity	List Price Clear	List Price Frosted
Nilco B (Vacuum) Straight Side Bulb						
110	10	S-14	Med. screw	100	$0.25	$0.30
110	15	S-14	Med. screw	100	.25	.30
110	25	S-17	Med. screw	120	.27	.32
110	50	S-19	Med. screw	120	.47	.52
110	60	S-19	Med. screw	120	.52	.57
110	100	S-23	Med. screw	120	.82	.87
Nilco C (Gas Filled) Pear Shape Bulb						Bowl Enam'd
110	50	P-23	Med. screw	60	$0.50	.65
110	75	P-23	Med. screw	60	.70	.85
110	100	P-25	Med. screw	24	.90	1.05
110	150	P-25	Med. screw	24	1.25	1.50
110	200	P-25	Med. screw	24	1.65	1.90
110	300	P-25	Med. screw	24	2.45	2.70
110	500	P-25	Mog. screw	12	3.90	4.15
110	750	P-25	Mog. screw	6	5.75	6.00
110	1000	P-25	Mog. screw	6	7.75	8.00
220	100	P-25	Med. screw	24	$0.95	$1.05
220	200	P-30	Med. screw	24	1.90	2.00
220	300	P-30	Med. screw	24	2.85	3.00
220	500	P-30	Mog. screw	12	4.65	4.75
220	1000	P-42	Mog. screw	6	8.50	8.75

Nilco Daylight Lamps

Volts	Size in Watts	Bulb	Base	Standard Package Quantity	List Price Clear
110	25	P-30	Med. screw	60	$0.60
110	40	P-32	Med. screw	60	.65
110	60	P-32	Med. screw	24	.80
110	75	P-35	Med. screw	24	1.00
110	100	P-30	Mog. screw	24	1.30
110	150	P-35	Mog. screw	24	1.85
110	300	P-42	Mog. screw	6	2.80

Coiled Filament Vacuum Lamps

Volts	Size in Watts	Bulb	Base	Standard Package Quantity	List Price Clear	List Price Frosted
Nilco B Mill Type						
110	25	P-14	Med. screw	100	$0.30	$0.35
110	50	P-21	Med. screw	100	.50	.55
Nilco B Sign Lighting						
110	25	P-19	Med. screw	100	$0.32	$0.37
110	50	P-19	Med. screw	100	.32	.37

Lamps for Decorative Lighting

Volts	Size in Watts	Bulb	Base	Standard Package Quantity	List Price
Nilco B Vacuum Round Frosted*					
110	15	G-16½	Med. screw	120	$0.30
110	25	G-16½	Med. screw	120	.30
110	25	G-25	Med. screw	60	.55
110	40	G-25	Med. screw	60	.55

*Also obtained clear at the same price.

Nilco C (Gas Filled) White

Volts	Size in Watts	Bulb	Base	Standard Package Quantity	List Price Clear	List Price Frosted
110	25	P-25	Med. screw	60	$0.50	$0.55
110	40	P-25	Med. screw	30	.50	.55
110	60	P-25	Med. screw	24	.55	.60

Lamps for Country Home Lighting

Volts	Size in Watts	Bulb	Base	Standard Package Quantity	List Price Clear	List Price Frosted
Nilco B (Vacuum)						
32	15	S-7	Med. screw	120	$0.27	$0.30
32	25	S-17	Med. screw	120	.27	.30
32	25	S-7	Med. screw	120	.27	.30
32	40	S-11	Med. screw	120	.27	.30
32	25	G-18½	Med. screw	120	.27	.40
Nilco C (Gas Filled)						Bowl Enam'd
28	50	P-23	Med. screw	60	$0.40	$0.45
28	50	P-23	Med. screw	60	.40	.45
32	75	P-23	Med. screw	60	.50	.55
32	100	P-25	Med. screw	24	.60	.65

† White

Lamps for Display Lighting

Nilco B Tubular

Volts	Size in Watts	Bulb	Base	Standard Package Quantity	List Price Clear	List Price Frosted
110	25	T-6½	Med. screw	60	$0.45	$0.50
220	25	T-6½	Med. screw	60	.45	.50

DISCOUNTS

Less than Cartons	10%
Full Cartons	15%
Standard Package	22%
3 Standard Packages	25%
5 Standard Packages	28%
7 or more Standard Packages	31%

ELECTRIC IRONS "Also Dept. 5."

NORIDAS

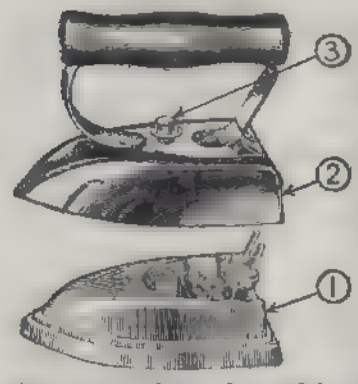
Cast iron base, stamped steel top, nickel plated and polished; nickeled handle bracket; ebonized wood handle; heat-proof stand. Complete with 6 feet of cord and attachment plug. Size face 6⅝x3⅛ inches; weight each 6 lbs.

Voltage 110 (can be used on any voltage from 105 to 115); operates on A. C. or D. C. current.

No.	NI
Less than full case, Each	$8 55
Full case of 24, Each	8 25

One in cardboard box, 24 in case, wt per case 144 lbs.

DOMANCO



Polished bright base, other exposed parts nickel plated. Top section consists of heavy sheet steel hood, formed to prevent radiation of heat from interior of iron, to which are attached the round steel handle supports. The handle of black enameled wood, is held firmly between the supports. A heat reservoir of solid iron is bolted to the heating element, and extends into the space formed by the hood. The contact posts are rigidly attached to this plate. Rounded ironing face. Heating element consists of special resistance wire imbedded in composition which is a perfect electric insulator, and readily conducts heat, prevents overheating of wire, protects wire from oxidation and saves current.

Complete with 6 feet of insulated cord and attachment plug and one two deck steel stand; has detachable plug.

Voltage 110 (can be used on any voltage from 105 to 115); operates on A. C. or D. C.; size face 8⅝x6¼ ins; wt each 6 lbs.

No.	5
Less than 5, Each	10 50
Case lots of 5 or more, Each	9 75
	$5 00

Voltage 32 (For Home Electric Lighting Plants).

	Each
No. 5-32—Size face 8⅝x6½ ins; wt each 6 lbs	$13 50

One in cardboard box.

DOMANCO, TOURIST

(In use as Grill)

Cast iron base; stamped steel top, nickel plated and polished; nickel plated stamped steel handle frame with removable, ebonized wood handle securely bolted to frame. Especially designed so that it may be converted from an electric iron into an electric grill by removing handle and using stand as illustrated. Complete with stand, 6 feet of cord and separable attachment plug.

	Each
No. 3½—Voltage 110 (can be used on any Voltage from 105 to 115); operates on A. C. or D. C.; size face 3½ x5¹¹/₁₆ ins; wt each 3½ lbs	$10 80

One in carton.

ELECTRIC IRONS "Also Dept. 5."

EDISON

Family Iron.

Cast iron face, pressed steel top, nickel plated and polished; nickel plated stamped steel handle bow and heel rest; ebonized wood handle. Complete with 6 feet of cord and attachment plugs. Size face 6⅝x4 inches.

	Each
No. 215F56—Voltage 110 (can be used on any voltage from 105 to 115); wattage 575; operates on A. C. or D. C. current; wt each 6 lbs	11 55
	$6 00

One in carton; six in standard package.

"UNIVERSAL"

Seamless brass hood and base, nickel plated. Ebonized wood grip. Complete with reversible heat proof spring stand, 6 ft mercerized cord and lamp socket plug. Heater cord furnished with detachable extension cord spring prevents the cord from dragging when in use. Size face 6⅞x4¼ ins.

	Each
No. E909—Voltage 110 (can be used on any voltage from 105 to 115); wattage 580; wt each 6¼ lbs	15 00
	$6 75

One in carton; 6 in stand pkg.

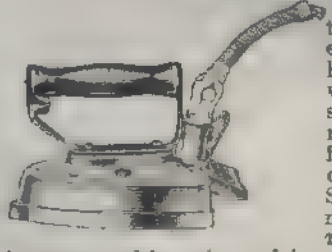
"UNIVERSAL"

Cast iron face and core, highly nickel plated and polished; ebonized wood grip; aluminum finish reversible stand. Complete with 6 feet of insulated cord, with Edison screw socket attachment plug, and patented pull plug. The Ni-chrome heating element is made of ribbon steel wound on mica and is fastened between the face of iron and core. Size face 6½x4 inches.

	Each
No. E905-110—Voltage 110 (can be used on any voltage from 105 to 115); wt each 6 lbs	15 75
	$6 75
	15 75
No. E905-220—220 volts; wt each 6 lbs	*6 75*

One in cardboard box; 6 in stand pkg.

HOTPOINT, AUTOMATIC



Cast iron face, pressed steel tape, nickel plated and polished; nickel plated stamped steel handle frame with ebonized wood handle and thum rest. A sturdy anchor securely and hermetically sealed in a special fusible alloy, embeded in the center of the iron bottom. Should iron overheat, the alloy melts, allowing anchor to move, releasing a simple double pole, long gap, quick make and break switch with silver contacts. In a few moments after switch operates the alloy soldifies, securely holding anchor in place.

	Each
No. 115F25—Voltage 110 (can be used on any voltage from 105 to 115); wattage 575; operates on A. C. or D. C current; wt each 6 lbs	21 00
	$8 35

One in carton; three in std pkg.

ELECTRIC IRONS "Also Dept. 5."

HOTPOINT

Cast iron face, pressed steel top, nickel plated and polished; nickel plated stamped steel handle frame, with ebonized wood handle.

Heating element is in two sections arranged V shape on the sole-plate. The sections meet at the point of the iron, thus supplying most heat where most needed. The heating element is clamped between the heavy cast sole-plate and pressure plate, insuring excellent heat-retention.

The 5 and 6 pound irons are equipped with the hotpoint hinged plug cord protector and thumb rest. The new plug prevents troublesome cord breakage, remains always cool, and is easily removable. The thumb rest is an additional convenience. It rests the wrist and makes ironing easier. Complete with cord and attachment plug. Operates on A. C. or D. C. current.

6 Pound Standard Weight Iron.

	110 Volts.	220 or 240 Volts.
Nos.	115F51	115F51-240
No. in stand pkg.	6	6
Wt each, lbs	6	6
Size face, ins.	4x6¾	4x6¾
Wattage	575	575
Each	15 75	16 50
	$6 75	*7 25*

6 Pound Standard Weight Iron.

32 Volts. (For Home Electric Lighting Plants.)

No.	115F23-32
No. in stand pkg.	6
Wt each, lbs	6
Size face, ins.	4x6¾
Wattage	575
Each	17 25 *$7 50*

110 Volts.

Nos.	113F22	115F50
No. in stand pkg.	3	3
Wt each, lbs	3	5
Size face, ins	3¼x5 7/16	3¼x6¾
Wattage	330	500
Each	12 00	15 00
	$5 25	*6 50*

IN HOLLY BOXES — Each

No. 115F-23-32H Same as No. 115F23-32, except in Holly Boxes, one in stand pkg. $18 00

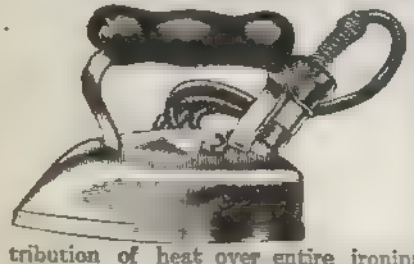
No. 115F-50H Same as No. 115F5, except in Holly Boxes; three in stand pkg. 15 75

No. 115F-51H Same as No. 115F51, except in Holly Boxes; six in stand pkg. 15 75

No. 115F51-240H Same as No. 115F51-240, except in Holly Boxes, six in stand pkg. 17 25

Will operate on 220 volt. *One in carton.*

AMERICAN BEAUTY



Cast iron base, machine milled and ground perfectly smooth on both sides; nickel plated and polished; indestructible chromium nickel ribbon resistance; India mica insulation; sheathed heating element has perfect distribution of heat over entire ironing surface. Black ebonized wood handle. Handle supports electrically welded to the hood; durable composition switch plug with non-kink spring that keeps it out of the way of the user. Complete with 6 ft of cord having detachable plug; separable attachment plug and one two deck steel stand. Size face 6½x8¾ inches.

Each

No. 6½8—Voltage 110 (can be used on any voltage from 105 to 120); wattage 525; operates on A. C. or D. C; wt each 6½ lbs. 17 70 *$7 50*

One in cardboard box.

ELECTRIC IRONS "Also Dept. 5."

HOTPOINT LAUNDRY IRONS

Cast iron face, pressed steel top, nickel plated and polished; nickel plated stamped handle frame, with ebonized wood handle.

Heating element is in two sections, arranging V shape on the sole plate. The sections meet at the point of the iron, thus supplying most heat where most needed. Heating element is clamped between the heavy cast soleplate and pressure plate, insuring excellent heat-retention. Fitted with thumb rest which facilitates ease in guiding iron; rests the wrist and prevents fatigue; also hinged cord protector.

Complete with two-deck stand, suspension spring cord and contact plug. Attachment plug not included as this requires special wiring and is not intended to operate on lamp socket circuit. Operates on A. C. or D. C. current.

Voltage 110. — Each

No. 11307—Size face, ins, 4½x7; wattage 700; wt each 7¼ lbs. 20 25 *$8 75*

One in stand pkg.

HOTPOINT TAILOR IRONS

Cast iron face pressed steel top, highly nickel plated and polished; nickel plated stamped steel handle frame, with ebonized wood handle.

Heating element is in two sections, arranged V shape on the soleplate. The sections meet at the point of the iron, thus supplying most heat where most needed. The Ni-chrome heating element is clamped between the heavy cast soleplate and pressure plate, insuring excellent heat-retention.

In the three-heat style the different heats are obtained by changing the position of the switch plug. Complete with two-deck stand, suspension spring cord and special switch plug Requires special wiring. Operates on A. C. or D. C. current

Voltage 110. — Each

No. 438F24—Three heats; wt 15 lbs; size 3x10¼ ins; wattage 850, 425-212. 46 50 *$20 00*

No. 439F24—Three heats; wt 20 lbs; size 3½x10½ ins; wattage 900-450-225. 51 00 *22 00*

One in stand pkg.

CORD SUPPORTS FOR ELECTRIC IRONS

Iron base, black enameled. Equipped with strong steel spring for clamping to ironboard or table; steel clamp for holding cord. Flexible and adjustable up or down.

Per Doz

No. H-50—Height 11 ins; height over all 19 ins. $13 50

One in cardboard box; wt per doz 15 lbs.

ELECTRIC IRONS "Also Dept. 5."

NORIDAS

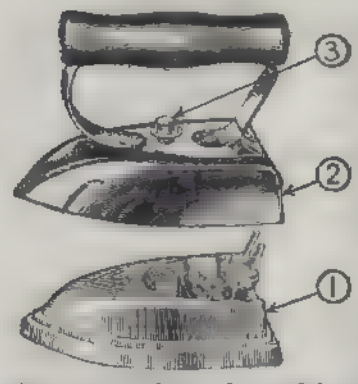
Cast iron base, stamped steel top, nickel plated and polished; nickeled handle bracket; ebonized wood handle; heat-proof stand. Complete with 6 feet of cord and attachment plug. Size face 6⅝x3⅛ inches; weight each 6 lbs.

Voltage 110 (can be used on any voltage from 105 to 115); operates on A. C. or D. C. current.

No.	NI
Less than full case, Each	$8 55
Full case of 24, Each	8 25

One in cardboard box, 24 in case, wt per case 144 lbs.

DOMANCO



Polished bright base, other exposed parts nickel plated. Top section consists of heavy sheet steel hood, formed to prevent radiation of heat from interior of iron, to which are attached the round steel handle supports. The handle of black enameled wood, is held firmly between the supports. A heat reservoir of solid iron is bolted to the heating element, and extends into the space formed by the hood. The contact posts are rigidly attached to this plate. Rounded ironing face. Heating element consists of special resistance wire imbedded in composition which is a perfect electric insulator, and readily conducts heat, prevents overheating of wire, protects wire from oxidation and saves current.

Complete with 6 feet of insulated cord and attachment plug and one two deck steel stand; has detachable plug.

Voltage 110 (can be used on any voltage from 105 to 115); operates on A. C. or D. C.; size face 8⅝x6¼ ins; wt each 6 lbs.

No.	5
Less than 5, Each	10 50
Case lots of 5 or more, Each	9 75
	$5 00

Voltage 32 (For Home Electric Lighting Plants).

	Each
No. 5-32—Size face 8⅝x6½ ins; wt each 6 lbs	$13 50

One in cardboard box.

DOMANCO, TOURIST

(In use as Grill)

Cast iron base; stamped steel top, nickel plated and polished; nickel plated stamped steel handle frame with removable, ebonized wood handle securely bolted to frame. Especially designed so that it may be converted from an electric iron into an electric grill by removing handle and using stand as illustrated. Complete with stand, 6 feet of cord and separable attachment plug.

	Each
No. 3½—Voltage 110 (can be used on any Voltage from 105 to 115); operates on A. C. or D. C.; size face 3½ x5¹¹/₁₆ ins; wt each 3½ lbs	$10 80

One in carton.

ELECTRIC IRONS "Also Dept. 5."

EDISON

Family Iron.

Cast iron face, pressed steel top, nickel plated and polished; nickel plated stamped steel handle bow and heel rest; ebonized wood handle. Complete with 6 feet of cord and attachment plugs. Size face 6⅝x4 inches.

	Each
No. 215F56—Voltage 110 (can be used on any voltage from 105 to 115); wattage 575; operates on A. C. or D. C. current; wt each 6 lbs	11 55
	$6 00

One in carton; six in standard package.

"UNIVERSAL"

Seamless brass hood and base, nickel plated. Ebonized wood grip. Complete with reversible heat proof spring stand, 6 ft mercerized cord and lamp socket plug. Heater cord furnished with detachable extension cord spring prevents the cord from dragging when in use. Size face 6⅞x4¼ ins.

	Each
No. E909—Voltage 110 (can be used on any voltage from 105 to 115); wattage 580; wt each 6¼ lbs	15 00
	$6 75

One in carton; 6 in stand pkg.

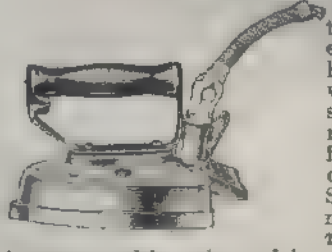
"UNIVERSAL"

Cast iron face and core, highly nickel plated and polished; ebonized wood grip; aluminum finish reversible stand. Complete with 6 feet of insulated cord, with Edison screw socket attachment plug, and patented pull plug. The Ni-chrome heating element is made of ribbon steel wound on mica and is fastened between the face of iron and core. Size face 6½x4 inches.

	Each
No. E905-110—Voltage 110 (can be used on any voltage from 105 to 115); wt each 6 lbs	15 75
	$6 75
	15 75
No. E905-220—220 volts; wt each 6 lbs	*6 75*

One in cardboard box; 6 in stand pkg.

HOTPOINT, AUTOMATIC



Cast iron face, pressed steel tape, nickel plated and polished; nickel plated stamped steel handle frame with ebonized wood handle and thum rest. A sturdy anchor securely and hermetically sealed in a special fusible alloy, embeded in the center of the iron bottom. Should iron overheat, the alloy melts, allowing anchor to move, releasing a simple double pole, long gap, quick make and break switch with silver contacts. In a few moments after switch operates the alloy soldifies, securely holding anchor in place.

	Each
No. 115F25—Voltage 110 (can be used on any voltage from 105 to 115); wattage 575; operates on A. C. or D. C current; wt each 6 lbs	21 00
	$8 35

One in carton; three in std pkg.

ELECTRIC IRONS "Also Dept. 5."

HOTPOINT

Cast iron face, pressed steel top, nickel plated and polished; nickel plated stamped steel handle frame, with ebonized wood handle.

Heating element is in two sections arranged V shape on the sole-plate. The sections meet at the point of the iron, thus supplying most heat where most needed. The heating element is clamped between the heavy cast sole-plate and pressure plate, insuring excellent heat-retention.

The 5 and 6 pound irons are equipped with the hotpoint hinged plug cord protector and thumb rest. The new plug prevents troublesome cord breakage, remains always cool, and is easily removable. The thumb rest is an additional convenience. It rests the wrist and makes ironing easier. Complete with cord and attachment plug. Operates on A. C. or D. C. current.

6 Pound Standard Weight Iron.

	110 Volts.	220 or 240 Volts.
Nos.	115F51	115F51-240
No. in stand pkg.	6	6
Wt each, lbs	6	6
Size face, ins.	4x6¾	4x6¾
Wattage	575	575
Each	15 75	16 50
	$6 75	*7 25*

6 Pound Standard Weight Iron.

32 Volts. (For Home Electric Lighting Plants.)

No.	115F23-32
No. in stand pkg.	6
Wt each, lbs	6
Size face, ins.	4x6¾
Wattage	575
Each	17 25 *$7 50*

110 Volts.

Nos.	113F22	115F50
No. in stand pkg.	3	3
Wt each, lbs	3	5
Size face, ins	3¼x5 7/16	3¼x6¾
Wattage	330	500
Each	12 00	15 00
	$5 25	*6 50*

IN HOLLY BOXES — Each

No. 115F-23-32H Same as No. 115F23-32, except in Holly Boxes, one in stand pkg. $18 00

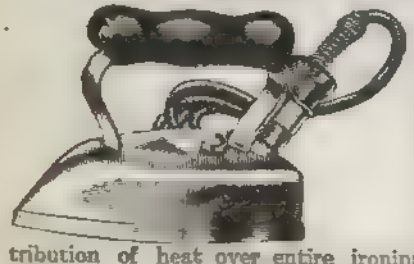
No. 115F-50H Same as No. 115F5, except in Holly Boxes; three in stand pkg. 15 75

No. 115F-51H Same as No. 115F51, except in Holly Boxes; six in stand pkg. 15 75

No. 115F51-240H Same as No. 115F51-240, except in Holly Boxes, six in stand pkg. 17 25

Will operate on 220 volt. *One in carton.*

AMERICAN BEAUTY



Cast iron base, machine milled and ground perfectly smooth on both sides; nickel plated and polished; indestructible chromium nickel ribbon resistance; India mica insulation; sheathed heating element has perfect distribution of heat over entire ironing surface. Black ebonized wood handle. Handle supports electrically welded to the hood; durable composition switch plug with non-kink spring that keeps it out of the way of the user. Complete with 6 ft of cord having detachable plug; separable attachment plug and one two deck steel stand. Size face 6½x8¾ inches.

Each

No. 6½8—Voltage 110 (can be used on any voltage from 105 to 120); wattage 525; operates on A. C. or D. C; wt each 6½ lbs. 17 70 *$7 50*

One in cardboard box.

ELECTRIC IRONS "Also Dept. 5."

HOTPOINT LAUNDRY IRONS

Cast iron face, pressed steel top, nickel plated and polished; nickel plated stamped handle frame, with ebonized wood handle.

Heating element is in two sections, arranging V shape on the sole plate. The sections meet at the point of the iron, thus supplying most heat where most needed. Heating element is clamped between the heavy cast soleplate and pressure plate, insuring excellent heat-retention. Fitted with thumb rest which facilitates ease in guiding iron; rests the wrist and prevents fatigue; also hinged cord protector.

Complete with two-deck stand, suspension spring cord and contact plug. Attachment plug not included as this requires special wiring and is not intended to operate on lamp socket circuit. Operates on A. C. or D. C. current.

Voltage 110. — Each

No. 11307—Size face, ins, 4½x7; wattage 700; wt each 7¼ lbs. 20 25 *$8 75*

One in stand pkg.

HOTPOINT TAILOR IRONS

Cast iron face pressed steel top, highly nickel plated and polished; nickel plated stamped steel handle frame, with ebonized wood handle.

Heating element is in two sections, arranged V shape on the soleplate. The sections meet at the point of the iron, thus supplying most heat where most needed. The Ni-chrome heating element is clamped between the heavy cast soleplate and pressure plate, insuring excellent heat-retention.

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Voltage 110. — Each

No. 438F24—Three heats; wt 15 lbs; size 3x10¼ ins; wattage 850, 425-212. 46 50 *$20 00*

No. 439F24—Three heats; wt 20 lbs; size 3½x10½ ins; wattage 900-450-225. 51 00 *22 00*

One in stand pkg.

CORD SUPPORTS FOR ELECTRIC IRONS

Iron base, black enameled. Equipped with strong steel spring for clamping to ironboard or table; steel clamp for holding cord. Flexible and adjustable up or down.

Per Doz

No. H-50—Height 11 ins; height over all 19 ins. $13 50

One in cardboard box; wt per doz 15 lbs.

NORTHEASTER

$7.50

THE Northeaster is a real Magnetic Horn that marks a sweeping advance in horn construction. It is the last word in simplicity and scientific design.

It has a strong, clear note. It is full of punch and persistence without disagreeableness. It has a sure and instant response. And it is built throughout with characteristic North East ruggedness and long life.

Here is a Horn that is bound to win immediate favor regardless of price. Add to this the unbelievably low figure at which it is offered, and there is no limit to the demand that will be created for the Northeaster.

Now is the time. Get in at the start. Full details from any North East Service Station or Branch.

A Real Magnetic Horn at a *Low* Price

NORTH EAST ELECTRIC Co. *The Standard for Dependability and Long Life* **NORTH EAST SERVICE INC.**
Starting, Generating & Ignition Equipment - Horns - Speedometers
ROCHESTER - ATLANTA CHICAGO DETROIT NEW YORK KANSAS CITY SAN FRANCISCO PARIS LONDON TORONTO © N. E. E. Co.

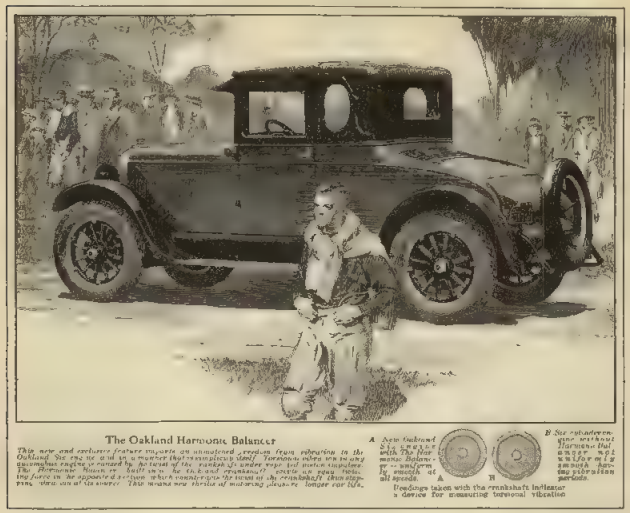
The good will which the Oakland Six is winning and holding finds significant reflection in the success and loyalty of Oakland dealers everywhere.

THE SATURDAY EVENING POST
The confidence with which buyers purchase the Oakland Six is richly rewarded. The car's outstanding performance, stamina and economy go far beyond every expectation and explain why the Oakland Six is winning and holding the good will of all who buy it.
Oakland Motor Car Company, Pontiac, Michigan
OAKLAND
PRODUCT OF GENERAL MOTORS

Oakland Motor Car Company, Pontiac, Michigan

OAKLAND SIX

PRODUCT OF GENERAL MOTORS



The Oakland Harmonic Balancer

This new and exclusive feature reports an unbalanced speed-up from vibration in the Oakland Six engine in a manner that is simplicity itself. Torsional vibration in any six-cylinder engine is caused by the twist of the crankshaft under every full motion impulse. The farther back from the flywheel a cylinder is, the greater the twist of the crankshaft from this force. In the opposite end of a cylinder which is farthest from the flywheel, this twist is greatest and causes an uneven, jerky motion at high speeds. The Oakland Harmonic Balancer is placed on the front end of the crankshaft where the twist is greatest and counteracts this vibration. This results in smooth, even running at all speeds. This new thrill of motoring pleases — longer car life.

A. Six Oakland engine without Harmonic Balancer — uneven, jerky motion at high speeds.

H

B. Six Oakland engine with Harmonic Balancer — smooth, even running at all speeds.

Readings taken with the crankshaft indicator a device for measuring torsional vibration

The overwhelming demand for the new Oakland Six emphasizes one of the outstanding advantages of the Oakland franchise—The Oakland line *moves rapidly,* permitting Oakland Dealers to turn their capital frequently and reap correspondingly larger profits.

Roadster	*Touring*	*Coach*	*Landau Coupe*	*Sedan*	*Landau Sedan*
$975	$1025	$1095	$1125	$1195	$1295
(Old Price $1095)	*(Old Price $1095)*	*(Old Price $1235)*	*(Old Price $1295)*	*(Old Price $1345)*	*(Old Price $1565)*

All Prices at Factory

WINNING AND HOLDING GOOD WILL

OAKLAND SIX

PRODUCT OF GENERAL MOTORS

Motor car dealers often experience loss in money, and good will besides, by being compelled to correct shortcomings in new cars. Oakland spares its dealers all such expense and loss by taking time to build each car right.

THE SATURDAY EVENING POST
The power, smoothness and stamina of the Oakland six-cylinder L-head engine disclose advanced engineering achievements which reveal in large measure why the car is winning and holding the good will of all who buy it.
OAKLAND SIX
PRODUCT OF GENERAL MOTORS

OAKLAND SIX

PRODUCT OF GENERAL MOTORS

REELS

SALT WATER—SURF CASTING

OCEANIC FREE SPOOL—DOUBLE MULTIPLYING

NOS. 880 AND 875

German silver, satin finish, hard rubber plates, reverse metal bound, steel pivots, tempered crucible steel clutch. Adjustable back sliding click. Generated spiral tooth gears. Balanced crank with rubberoid handle. Fitted with Gem thumb brake.

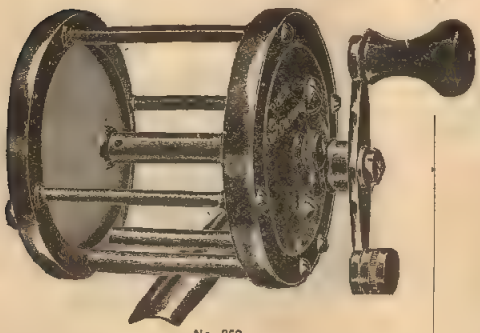
No.	Yards	Disc	Wt. each	Each
880	200	3 in.	17 ozs.	**$16.00**
	250	3¼ in.	19 ozs.	**17.00**
	300	3½ in.	21 ozs.	**18.50**

No. 875

Nickel plated. Rubber plates, with metal bands on edges. Metal disc with gear bridge and pivot bearing. Adjustable click. Fancy crank with special handle. Steel pivots. Otherwise as No. 880.

No.	Yards	Disc	Wt. each	Each
875	200	3 in.	16 ozs.	**$13.70**
	250	3¼ in.	18 ozs.	**15.00**
	300	3½ in.	20 ozs.	**16.00**

TYEE—DOUBLE MULTIPLYING

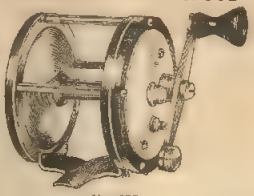


No. 860

Fitted with leather thumb drag. Steel pivots. Hard rubber plates with nickel plated metal bands on edges. Metal disc with gear bridge and pivot bearing. Adjustable click. Fancy crank with balanced handle.

No.	Yards	Disc	Wt. each	Each
860	150	2⅞ in.	13 ozs.	**$10.50**
	200	3 in.	14 ozs.	**11.00**
	250	3¼ in.	15 ozs.	**11.50**
	300	3½ in.	18 ozs.	**12.50**

MEISSELBACH—FREE SPOOL



No. 635

Double multiplying, free spool, strong click. Made of German silver with Bakelite ends. Pinions and gears are of hardened steel, drive gears of brass. Phosphor bronze bearings. Balanced crank with rubberoid handle

No.	Yards	Wt. each	Each
635	300	19 ozs.	**$10.00**

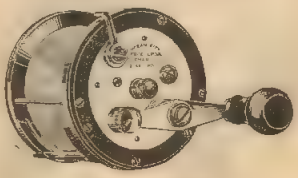
FORTESCUE—FREE SPOOL

No. 103

Made of German silver and has hard black rubber discs. The Free Spool throw-off is at the top, making it easy to operate. Adjustable click. Reel seat securely riveted. Balanced handle

No.	Capacity	Wt. each	Each
103	250 yds.	16 ozs.	**$8.50**

OCEAN CITY—FREE SPOOL



NOS. 101 AND 102

Made of German silver and has hard brown rubber discs at both ends. The Free Spool throw-off is at the top, making it easy to operate. Each pivot is made of high grade steel and runs in a steel pin situated in an oil cup. 300-yard reel fitted with double handle.

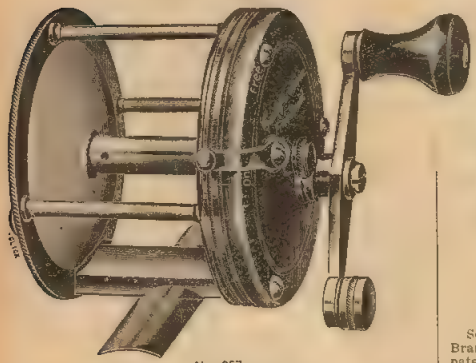
No.	Capacity	Wt. each	Each
101	250 yds.	18 ozs.	**$10.00**
102	300 yds.	20 ozs.	**12.00**

All the above, one in a box.

REELS

SALT WATER—MULTIPLYING
SURF CASTING

CALIFORNIA—FREE SPOOL

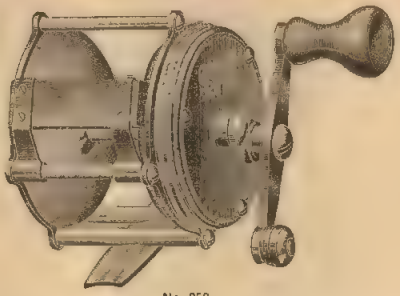


No. 857

Free spool, double multiplying. Fitted with leather thumb drag. Bronze gun metal finish. Hard brass axles, satin finished discs. Adjustable sliding click and steel cut gears and pinions. Free spool action controlled by convenient lever on side plate. Fancy crank with large black rubberoid handle.

No.	Yards	Wt. each	Each
857	200	19½ ozs.	$ 9.70
	250	22 ozs.	10.20
	300	25 ozs.	10.80

MOHAWK



No. 850

Solid brass. Nickel plated and polished. Hard brass axles. Brass cut spur gear. Pinion and ratchet. Fitted with the Dazie patented thumb brake. Polished black, enameled rubberoid handle. Back sliding click and drag. 1⅝-inch raised pillars, neatly knurled box head. Fancy oil cup on back plate. All parts put together with nickel plated brass screws.

No.	Yards	Disc	Wt. each	Each
850	150	2½ in.	15 ozs.	$5.60
	200	2¾ in.	18 ozs.	6.00
	250	3 in.	21 ozs.	6.50
	300	3¼ in.	24 ozs.	7.00

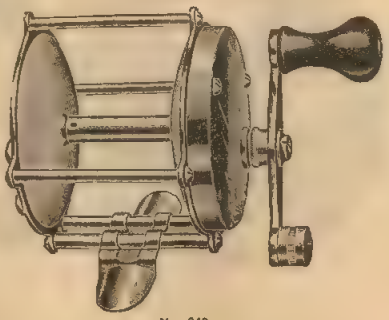
PONTIAC

No. 853

Polished nickel. Ball bearing case. Full top and bottom pivots, on hard metal bearings. Adjustable click and drag. Fancy crank and large shaped handle. Raised pillars, 2 inches.

No.	Yards	Disc	Wt. each	Each
853	150	3 in.	13 ozs.	$6.50
	200	3¼ in.	14 ozs.	7.00
	250	3½ in.	16 ozs.	7.50
	300	3¾ in.	18 ozs.	8.00

EUREKA

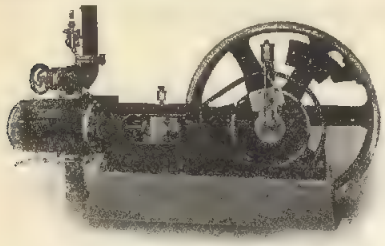


No. 840

Polished nickel. Multiplying, for salt water or trolling. Adjustable click and drag. Balanced crank. Rubberoid handle. Raised pillars, 1⅛ inches.

No.	Yards	Disc	Wt. each	Each
840	150	3 in.	8 ozs.	$3.80
	200	3¼ in.	9 ozs.	4.00

All the above, one in a box.



Heavy Duty Side Crank Automatic Engine

Ohio Frame Type

As indicated by the illustration and table below, this engine is of the medium speed, heavy duty class with single automatic cut off valve.

The frame is well proportioned, pleasing in appearance, strong and rigid under severe strains. The cross head guides and main bearing are cast as part of the frame. The guides are circular and are bored at the same time that the frame is turned to receive the cylinder, thus assuring perfect alignment between piston and cross head

The governor is of the well known Rites Inertia type and is of latest improved design and is the most efficient and sensitive regulating device ever applied to a steam engine.

There is also furnished a sheet steel oil shield of neat appearance which protects the floor and allows the oil to be caught, filtered and used again. The entire system of lubrication is very simple and efficient.

Every engine before leaving the shop is tested under steam, with brake, indicator and hometer, so that all parts are properly adjusted, valves properly set and speed determined under extreme conditions These tests are more severe than is likely to occur in practice. The engine is placed in first class running order before it leaves the testing room.

Right or Left Hand **Balanced Valves**

Size	Shaft Dia. & Main Bearing	Wheel		Pipes		Sh'p'g Weight	Floor Space	Standard Ratings		Reference Ratings					
		Dia.	Face	Steam	Exh			Speed Revs.	H. P	Speed	H. P.	Speed	H. P.	Speed	H. P.
6x12	3	40	8½	2	2½	2,750	86x 46	300	25	275	24	300	26	325	28
7x12	4	48	10½	2½	3½	3,900	97x 59	300	35	275	32	300	35	None	. . . .
8x14	4	48	10½	2½	3½	4,100	99x 59	275	50	250	44	275	49	300	54
10x12	5	60	12½	3	4	4,400	103x 62	275	60	250	54	275	60	300	73
10x14	5	60	12½	3	4	4,600	116x 62	250	65	225	59	250	65	275	77
10x16	5	60	12½	3	4	4,800	118x 62	250	75	225	71	250	80	None	.....
12x14	6	72	14½	4	5	6,800	121x 70	250	90	225	81	250	90	275	103
12x16	6	72	14½	4	5	7,100	133x 70	250	100	225	95	250	105	None	.....
12x18	6	72	14½	4	5	7,400	135x 70	225	110	200	103	225	115	None	.....
14x16	7	84	16½	4½	6	11,500	134x 85	225	125	200	111	225	125	250	148
14x18	7	84	16½	4½	6	11,900	147x 85	225	140	200	127	225	143	None	... .
14x20	7	84	16½	4½	6	12,300	150x 85	200	150	175	135	200	155	None	.....
16x18	8	96	19	5	7	20,000	167x 99	200	175	175	160	200	175	225	190
16x20	8	96	19	5	7	20,500	180x 99	200	190	175	166	200	190	None	. ...
16x22	8	96	21	5	7	21,000	182x 99	190	200	175	194	190	210	None	.
16x24	8	96	21	5	7	21,500	184x 99	175	225	150	183	175	214	None	.....
18x22	9	96	25	6	8	28,000	188x 123	175	250	150	221	175	250	190	268
18x24	9	96	25	6	8	29,000	190x 123	175	275	150	232	175	270	None	.. .

3, 4, 5 and 6-inch shaft engines have angle bearing.
7, 8 and 9-inch shaft engines have quarter box bearing.
Quarter box bearings can be furnished on 4, 5 and 6-inch shaft engines, if desired, at an additional cost.
Note.—All engines good for 150 pounds working pressure.

Standard Fittings

With each heavy duty automatic engine we furnish elbow throttle valve, sight feed oil cups, sight feed cylinder lubricator, centrifugal oiler for crank pin, safety cylinder drain valves and pipe, oil shield for crank disc, three drop forged wrenches, blue print setting plan.

Extras. Steam and exhaust pipe and fittings, foundation bolts, plates and templates, piston and valve rod packing.

Full Length Tube Vertical Tubular Boilers

These boilers are made of open hearth flange steel plate, having a tensile strength of 60,000 pounds per square inch of section.

All sizes above 20 inches are well braced by means of stay bolts, and all boilers 30 inches and upward in diameter have their vertical seams double riveted. From No. 1 to No. 10, inclusive, the shells are made of a single sheet.

Boilers 20 to 30 inches in diameter have two, and the larger sizes three hand holes around the water leg, and the same number above the crown sheet. In boilers 20 inches in diameter the water space around the firebox is 1½ inches wide, in the 24-inch diameter 2 inches, and in all other sizes 2½ inches wide.

The fixtures comprise base, grate, hood, steam gauge, glass water gauge, gauge cocks, either pop or lever safety valve, blow-off valve, check and stop valve.

Sizes and Prices

No. of Size	Horse Power as Usually Rated	Diameter of Boiler, Ins.	Height of Boiler, Feet	Diam. of Furnace, Ins.	Height of Furnace, Ins.	Thickness of Shell, Ins.	Thickness of Heads, Ins.	No. of Tubes, All 2 Ins in Diam.	Length of Tubes, Ins.	Square Feet of Heat'g Surface	Diam. of Stack Req'd, Ins.	Weight of Bare Boiler, Lbs.	Weight of Boiler Complete with Fixtures Lbs.	Price of Boiler Complete with Std Fixtures Without Stack or Injector
O	1½	20	3	16	18	7/32	5/16	16	18	18	8	350	580	$215.40
A	2	20	3½	16	18	7/32	5/16	19	24	26	8	450	650	230.00
B	3	20	4	16	18	7/32	5/16	19	30	31	8	475	700	241.10
1	4	24	4	19	23	1/4	3/8	24	25	36	8	770	1000	279.90
2	5	24	5	19	23	1/4	3/8	24	37	49	8	870	1170	302.20
3	6	24	6	19	23	1/4	3/8	24	49	61	8	950	1250	328.60
4	8	30	5	24	26	1/4	3/8	48	34	85	10	1200	1800	443.80
5	10	30	6	24	26	1/4	3/8	48	46	111	10	1400	2000	482.70
6	12	30	7	24	26	1/4	3/8	48	58	136	10	1600	2200	527.30
8	15	36	6	30	26	1/4	3/8	66	46	151	14	1700	2500	636.50
10	18	36	7	30	26	1/4	3/8	72	58	210	14	2300	2900	679.30
11	20	36	8	30	26	1/4	3/8	72	68	232	14	2450	3150	728.50
12	22	42	7	36	30	5/16	3/8	92	56	252	14	2850	3750	877.50
13	25	42	7½	36	30	11/32	3/8	92	61	272	16	3000	3900	911.40
14	27	42	8	36	30	11/32	3/8	92	68	300	16	3200	4100	961.70
15	30	42	8½	36	30	11/32	3/8	92	74	324	16	3400	4300	998.60
16	35	42	9½	36	30	11/32	3/8	92	85	368	16	3700	4600	1,068.70
17	40	48	8½	42	30	3/8	1/2	130	74	453	20	4250	5400	1,315.10
18	45	48	9	42	30	3/8	1/2	130	80	486	20	4400	5550	1,368.20

Prices do not include stack or injector, which are always classed as extras.
Carried in Chicago stock up to 35 H. P.

OLYMPIC ROLLER BEARING RACER

Steel Disc Wheels With Balloon Type Tires

In the Olympic Racer we offer a popular wagon with wonderful features of construction. It is a leader not only in the construction features which give you talking points for selling, but it is PRICED TO BEAT COMPETITION.

Note What You Get!

Body. Made of selected well seasoned white ash with buckeye sides, 4 heavy bottom cleats, varnished natural finish, red painted top rail, varnished wood handle and steel "D" grip.

Construction: All steel gear throughout, strongly braced, black enameled finish.

Wheels: Red enamel double disc wheels, self-retained roller bearings, nickel plated hub caps.

Tires: Corrugated balloon type tires.

Brake: Improved roller type.

Finish. Body painted "Olympic Roller Bearing Racer."

Packing. Each in dustproof carton.

$4.00 Each In lots of 12

1F81

1F81— 32x14 in. body, 8 in. wheels, ¾ in. rubber tires. Each in dustproof carton, 32 lbs.

Singly Each	Lots of 6 Each	Lots of 12 Each
$4.25	$4.10	$4.00

1F83— 36x16 in. body, 9⅜ in. wheels, 15/16 in. rubber tires. Each in dustproof carton, 45 lbs.

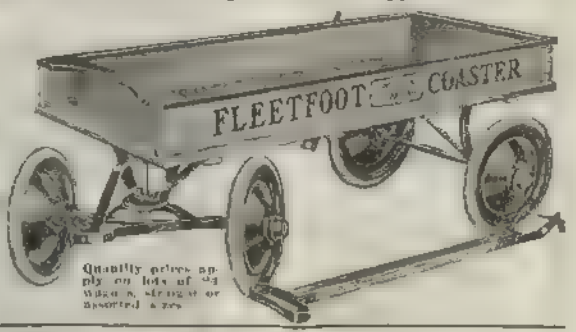
Singly Each	Lots of 6 Each	Lots of 12 Each
$4.75	$4.50	$4.40

FLEETFOOT ROLLER BEARING COASTER

Selected white ash body, extra wide disc wheels, all steel bolster construction, 15/16 in. corrugated balloon type rubber tires.

1F119— Body 32x14 in., 10 in. double disc wheels with 15/16 in. rubber tires, self-retained roller bearings, nickel plated hub caps, black enameled all steel gear construction. In dustproof carton, 45 lbs. Each $5.25 Lots of 24, Each $5.00

1F121— Body 36x16 in., 10 in. double disc wheels with 15/16 in. rubber tires, self-retained roller bearings, nickel plated hub caps, black enameled all steel gear construction. In dustproof carton, 58 lbs. Each $5.50 Lots of 24, Each $5.25



Quantity prices apply on lots of 24 wagons, straight or assorted sizes.

GREEN DRAGON COASTER

Parents know it is the cheapest coaster to buy. IT'S ALL STEEL and WON'T WEAR OUT!

All Steel

Strong all steel construction of heavy gauge metal. Rolled edges add to body strength. Roller bearing double disc steel wheels.

BUMPER—Heavy rubber to form curved handle ➡

BODY—heavy sheet steel reinforced with beaded sides. Easily detachable from 4 piece steel platform ➡

FIFTH WHEEL—Steel to platforms ➡

WHEELS—Double disc steel with roller bearings, 10 in. diameter. Tires

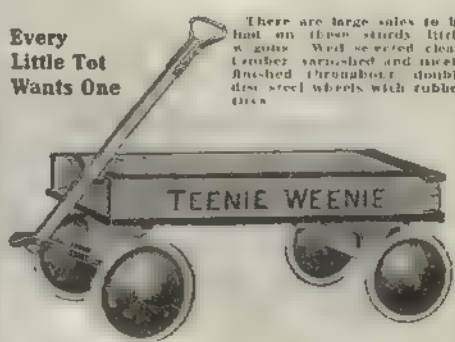
Quality Coaster Built to Last

1F117— 32 x 14½ in. deck, heavy sheet steel [illegible] $7.25 EACH

"TEENIE WEENIE" COASTER WAGONS

Every Little Tot Wants One

There are large sales to be had on these sturdy little wagons. Well seasoned clean Lumber varnished and nicely finished throughout, double disc steel wheels with rubber tires.



Well constructed, all steel bodies, red trimmed sides, [illegible] with D grip handles, steel bolsters, wood hubs with D caps, axles, front axle revolves, enamel dead black wheels, rubber tires, steel caps.

1F65— Body 10½x24 in., 5 in. wheels attached to bolsters with screws. In carton, 14 lbs. Each **$1.90**

1F66— Body 10½x24 in., 5 in. wheels attached with cotter pins, ⅝ in. axles. 2 in carton, 18 lbs. Each **2.50**

Bikes and Wagons

The Biggest Values on the Market—Stronger Construction, Better Appearance—Lower Prices!

Special Values

"DANDY" BIKES and "KIDOBIKES"

Manufactured by the Keystone Lantern Co. Very best material, excellent workmanship, constructed to withstand hard play and sold at prices far below the market—and lower than these goods, or similar qualities, have EVER BEEN OFFERED! Excellent merchandise for special sale day purposes; big profit makers for regular stock. Each vehicle trademarked.

Lower Prices

"Dandy" Bike—Steel Frame and Front Fork

25 in. long, 28 in. high, 12 in. wheels, wire spoke wheels, wood seat, steel rear fork and front fork, shaped handle bars, wood grips, rubber tires.

1F255—(Mfrs. 5) 3 in crate, 26 lbs. Each **$1.50**

6 or more, Each **$1.35**

"Kidobike"—Balloon Cushion Tires

23 in. long, 17 in. high, 8 in. and 7 in. wheels, steel rear fork, polished wood seat with Kidobike trademark in colors, steel frame and fork, black enameled, open pattern low, rolled pressed steel crank shaped handle bars, wood grips, rubber tires.

1F257 (Mfrs. 5) 3 in carton, 36 lbs. Each **$1.85**

5 or more, Each **$1.75**

"Kidobikes"—Steel Frame and Fork

Strong steel frame and fork enameled Indian red and striped with gold metallic lining, rear end pulled back. Wood seat with Kidobike trademark in colors, nickel plated coil springs.

1F256 (Mfrs. 5) 23 in. long, 17 in. high, 8 in. and 7 in. wheels, wood seat, 1¾ in. rubber tires, 3 in carton, 27 lbs. Each **$1.75** 6 or more, Each **$1.65**

1F258 (Mfrs. 7) 27 in. long, 19 in. high, 12 in. and 8 in. wheels, steel seat, 2 in. rubber tires, 3 in carton, 36 lbs. Each **$1.95** 6 or more, Each **$1.85**

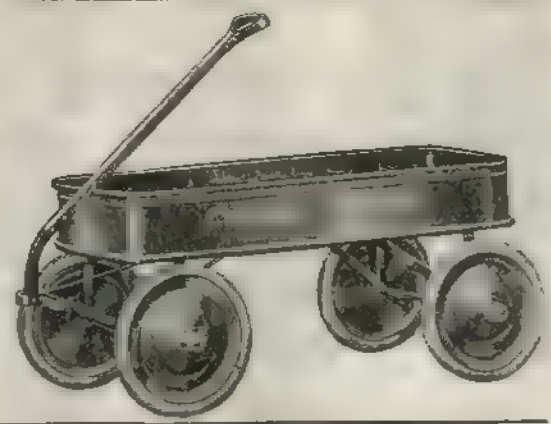
"CYCLONE JUNIOR"

Steel and Wood Coaster Wagon

One of the best values in the market in a low priced wagon. Only strong, high grade materials used with fine workmanship. All over red enameled body and wheels, black enameled steel gear.

1F116—33x13 in., steel side body, strongly pleated wood bottom boards, extra strong black enameled steel gearing, finely braced, 9 in. double disc red enameled wheels with 1¼ in. steel tires, case hardened roller bearings, 2¼ in. corrugated rubber tires, varnished natural wood handle, D grip, 4 in carton, 50 lbs.

EACH **$3.75** 6 or more EACH **$3.60**



"CYCLONE" ALL STEEL FLYER

Tubular steel handle, curved in the most convenient position

Our "Cyclone" all steel flyer is practically indestructible, and the best looking coaster on the market.

Note these 6 big features

1 All steel body with large roll on top and bottom, further reinforced with two wood cleats

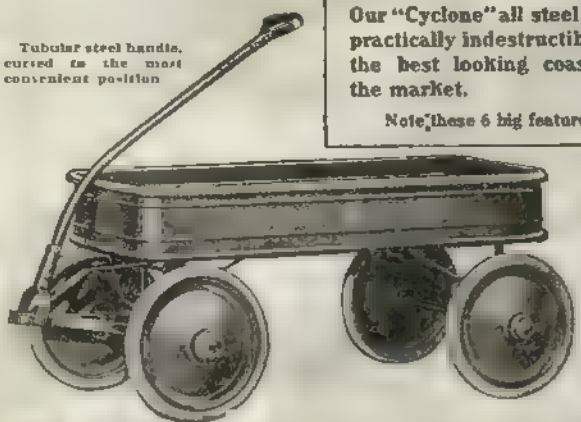
2 One piece steel platform. Body is quickly and easily detached from gear

3 Riveted construction, with heavy rivets, all rattle eliminated, can't work loose

4 Heavy duty double disc steel wheels, with contained roller bearings

5 Balloon type cushion rubber tires, 11 in. in diameter, corrugated tread

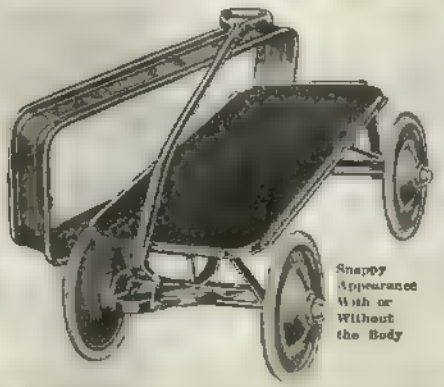
6 Baked enamel finish, Indian red body and wheels, black running gear



1F118—33x13 in. extra deep body, Indian red enameled. One piece steel platform, black enameled. Fifth wheel gear riveted to body, front and rear axles of strong steel braces with rivet and nut fastening construction, all steel. Heavy duty double disc steel wheels, 9 in. diameter with self oiling roller bearings and each with heavy rubber balloon type 1 in. rubber tires. Curved handle. Each in extra heavy carton, 46 lbs.

EACH **$5.75**

12 or more EACH **$5.50**



Snappy Appearance With or Without the Body

"OLYMPIC" ROLLER BEARING RACER

Steel Disc Wheels With Balloon Type Tires

In the Olympic Racer we offer a popular wagon with wonderful features of construction. It is a leader not only in the construction features which give you talking points for selling, but it is PRICED TO BEAT COMPETITION.

Note What You Get!

Body: Made of selected well seasoned white ash with buckeye sides, 4 heavy bottom cleats, varnished natural finish, red painted top rail, varnished wood handle and steel "D" grip.

Construction: All steel gear throughout, strongly braced, black enameled finish.

Wheels: Red enamel double disc wheels, self-retained roller bearings, nickel plated hub caps.

Tires: Corrugated balloon type tires.

Brake: Improved roller type.

Finish: Black printed "Olympic Roller Bearing Racer."

Packing: Each in dustproof carton.

1F81—32x14 in. body, 8 in. wheels, ¾ in. rubber tires. Each in dustproof carton, 32 lbs.

Single Each	Lots of 12 Each	Lots of 24 Each
$4.25	$4.10	$4.00

1F83—36x16 in. body, 9¾ in. wheels, 15/16 in. rubber tires. Each in dustproof carton, 35 lbs.

Single Each	Lots of 12 Each	Lots of 24 Each
$4.75	$4.60	$4.50

"FLEETFOOT" ROLLER BEARING COASTER

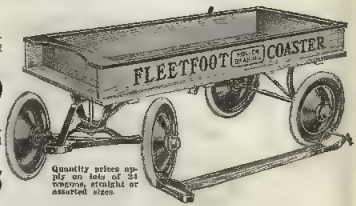
Selected white ash body, extra wide disc wheels, all steel bolster construction, 15/16 in. corrugated balloon type rubber tires.

1F119—Body 32x14 in., 10 in. double disc wheels with 15/16 in. rubber tires, self-retained roller bearings, nickel plated hub caps, black enameled all steel gear construction.

1 in dustproof carton, 35 lbs. Each **$5.25** Lots of 24, Each **$5.00**

1F121—Body 36x16 in., 10 in. double disc wheels with 15/16 in. rubber tires, self-retained roller bearings, nickel plated hub caps, black enameled all steel gear construction.

1 in dustproof carton, 38 lbs. Each **$5.50** Lots of 24, Each **$5.25**



Quantity prices apply on lots of 24 wagons, straight or assorted sizes.

GREEN DRAGON COASTER

Parents know it is the cheapest coaster to buy—IT'S ALL STEEL and WON'T WEAR OUT!

All Steel

Strong all steel construction of heavy gauge metal. Rolled edges add to body strength. Roller bearing double disc steel wheels.

BUMPER—heavy rubber. Tubular curved handle nickel plated.

BODY—heavy sheet steel reinforced with deep roll cages and pressed panels on sides. Easily detached from 1 piece steel platform.

FIFTH WHEEL—firmly riveted to platform.

WHEELS—double disc steel with roller bearings, 1¾ in. balloon tires.

A Quality Coaster Built to Last

1F117—33⅝x14½ in. deep body heavy sheet steel. Large roll at top and bottom edges, embossed panels on sides, removable top. 1 piece extra heavy steel bed. Heavy duty double disc steel wheels, 8½ in. diameter self contained roller bearings nickel plated hub caps. Tires 1¾ in. balloon type corrugated tread. Curved handle, tubular steel nickel plated heavy rubber bumper. Fifth wheel riveted to platform strongly braced. Body—rich green, baked enamel finish, "Green Dragon" bronze lettering. Gear and bed—black enamel. Wheels—red, yellow stripes. Each in carton, K. d., 40 lbs. **$7.25 EACH**

"TEENIE WEENIE" COASTER WAGONS

Every Little Tot Wants One

There are large sizes to be had on these sturdy little wagons. Well selected clean lumber, varnished and nicely finished throughout, double disc steel wheels with rubber tires.

Well selected varnished hardwood bodies, red trim top and side rails and base boards, ⅞ in. hard maple bolsters, wood handle with "D" grip and heavy iron fixtures, red enamel double disc wheels ½ in. rubber tires, ball caps.

1F65—Body 9½x20 in., 5 in. wheels attached to bolsters with screws. 2 in carton, 14 lbs. Each **$1.90**

1F66—Body 10½x24 in., 6 in. wheels attached with cotter pins, ⅝ in. iron axles. 2 in carton, 19 lbs. Each **$2.50**

1F68—Body 12x30 in., 6 in. wheels attached with cotter pins, ⅝ in. iron axle. 2 in carton, 20 lbs. Each **$2.85**

Bikes and Wagons

The Biggest Values on the Market—Stronger Construction, Better Appearance—Lower Prices

Special Values

"DANDY" BIKES and "KIDOBIKES"

Manufactured by the Keystone Lantern Co. Very best material, excellent workmanship, constructed to withstand hard play and sold at prices far below the market—and lower than these goods, or similar qualities, have EVER BEEN OFFERED! Excellent merchandise for special sale day purposes; big profit makers for regular stock. Each vehicle trademarked.

Lower Prices

"Dandy" Bike—Steel Frame and Front Fork

25 in. long, 18 in. high, 9 in. and 7 in. wire spoke wheels, red enameled shaped wood seat, black enameled steel frame and front fork, shaped handle bars, wood grips, ½ in. rubber tires.

1F255—(Mfrs. 5) 8 in crate, 26 lbs. 3 or more, Each **$1.50**
6 or more, Each **$1.35**

"Kidobike"—Balloon Cushion Tires

23 in. long, 17 in. high, 9 in. and 7 in. wheels, cream enameled shaped wood seat with "Kidobike" trademark in colors, steel frame and fork light blue enameled striped with yellow, nickel plated hub caps, shaped handle bars, wood grips, ⅜ in. rubber tires.

1F257 (Mfrs. 3) 3 in carton, 36 lbs. 3 or more, Each
6 or more, Each
Temp. Out

"Kidobikes"—Steel Frame and Fork

Strong steel frame and fork enameled light blue and striped with yellow, substantially braced, cream enameled hardwood seat with "Kidobike" trademark in colors, nickel plated hub caps

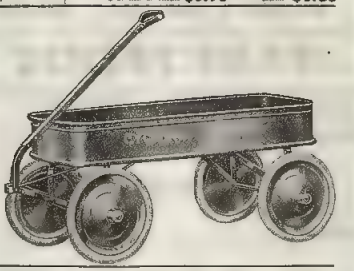
1F256—(Mfrs 1, 23 in. long, 17 in. high, 9 in and 7 in. wheels, 10x7 in. seat, ¾ in. rubber tires. 3 in carton, 27 lbs. 3 or more, Each **$1.75** 6 or more, Each **$1.65**

1F258 (Mfrs 2) 27 in. long, 20 in. high, 11 in. and 8 in. wheels, 12x8 in. seat, ⅞ in. rubber tires. 3 in carton, 36 lbs. 3 or more, Each **$1.95** 6 or more, Each **$1.85**

"CYCLONE JUNIOR"

Steel and Wood Coaster Wagon

One of the best values in the market in a low priced wagon. Only strong, high grade materials used with fine workmanship. All over red enameled body and wheels, black enameled steel gear



1F116—32x16 in. steel side body, securely clamped wood bottom boards, extra strong black enameled steel gearing, heavy braced 8 in. double disc red enameled wheels, nickel plated hub caps, contained roller bearings, ⅝ in. corrugated rubber tires, varnished maple wood handle D grips. 1 in carton 50 lbs.

EACH **$3.75** 6 or more EACH **$3.60**

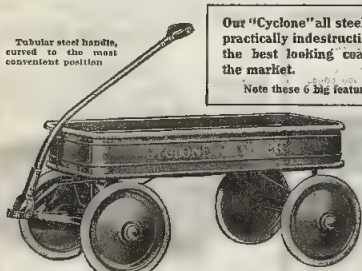
"CYCLONE" ALL STEEL FLYER

Tubular steel handle, curved to the most convenient position

Our "Cyclone" all steel flyer is practically indestructible, and the best looking coaster on the market.

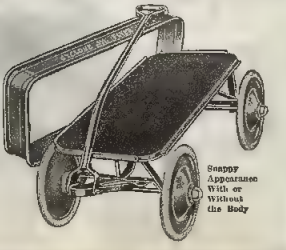
Note these 6 big features

1 All steel body with large roll on top and bottom, further reinforced with two bands on sides.
2 One piece steel platform. Body is quickly and easily detached from platform
3 Riveted construction, with heavy rivets—all nuts eliminated can't work loose
4 Heavy duty double disc steel wheels, with contained roller bearings.
5 Balloon type cushion rubber tires, 1 in. in diameter, corrugated tread
6 Baked enamel finish, Indian red body and wheels, black running gear



EACH **$6.00**

12 or more, EACH **$5.75**



Snappy Appearance With or Without the Body

1F118—33½x14½ in. extra deep body, Indian red enameled. One piece steel platform, black enameled. Pitch wheel gear riveted to platform and black enameled. Strong steel braces with riveted non rattling construction throughout. Heavy duty double disc steel wheels 9¼ in. diameter, with self-contained roller bearings and each with hole for oiling. Balloon type 1 in. rubber tires. Curved handle. Each in extra heavy carton, 45 lbs. 40 lbs.

FLOOD LIGHTS

OSTRANDER

NOS. 900 AND 901

Equipped with universal bracket. Allows adjustment to wall, ceiling or floor Furnished with one clear glass and five colored screens—red, blue, green, yellow and amber.

No.	Size	Std. pkg.	Wt. std. pkg.	Each
900	8 in.	8	40 lbs.	$ 8.50
901	10 in.	8	50 lbs.	12.50

COLOR CAPS

Made of natural colored glass in ruby, green, amber, blue, purple and opal—they snap on the lamp. Colors may be assorted in making up standard package.

Style "A"

Specify—With every order: Size of bulb and style "A" or "B".
S-14 fits 1¾-inch diameter bulb, 2½, 5, 7½ and 10-watt (sign type).
S-17 fits 2⅛-inch diameter bulb, 15 and 25-watt lamps.
S-19 fits 2⅝-inch diameter bulb, 40 and 50-watt lamps.
S-30 fits 200-watt nitrogen bulb. Made only in Style A, Opal.

	Style "A"				Style "B"		
Nos	AS 14	AS 17	AS 19	AS 30	BS 14	BS 17	BS 19
Each ...	$0.19	$0.43	$0.46	$0.48	$0.20	$0.47	$0.50

Style "B"

How to Use Color Caps

Style "A" Caps are usually preferable for large roof signs; permanent displays and channel letters, as they produce the color effect by reflection without "killing" the light. The S-30 is for light diffusion.

Style "A" Color face of letter or design same color as the caps to be used. Use gloss paint.

Style "B" These can be used like colored lamps on any background They are especially adaptable for frequent color changes or where a deep color is required We also recommend them for street decorating, window display, fire exits, elevator signals, stage lighting effects, etc.

DE LUXE

For lighting store windows in color, flood lights and spotlights.

Fits all standard reflectors such as X-ray, Holophane and Pittsburgh. Five colors—Flaming Ruby, Royal Blue, Tree Green, Golden Amber and True Daylight in sizes from 50-watt B to 300-watt C Mazda and P-19 lamp.

Type	Fits following lamps	Std pkg	Each
OS-1	P-19	5	$1.85
S-1	50-150 watt	5	2.00
S-2	200-300-watt	5	2.50
S-3	200-300-watt spot-flood	5	2.50

A COMPLETE LINE OF HIGH GRADE KITCHEN CABINETS WONDER COMBINATIONS OF STRENGTH AND BEAUTY

1 Genuine INDIANA oak—Northern built.

2 All joints mortised and tenoned—will not sag or pull apart.

3 Every door and drawer finished inside; dust lip construction.

4 High grade refrigerator style hardware with mirror finish polish.

5 Three-ply panel backs—strong and dust tight, do not check or warp.

6 Full rounded corners and edges entirely free from faulty workmanship.

"Our Leader"

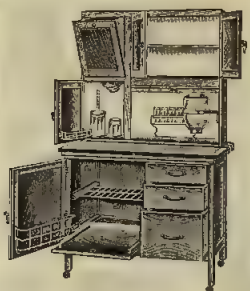
MATERIAL—Solid Indiana oak.

SIZE—68 in. high, base 25x42 in.

FEATURES—Stationary nickeloid top, one drawer, metal cake and bread box with ventilated sliding top, sliding flour bin with sifter.

EQUIPMENT—Small shelf for spice jars, etc.

P2670—Golden gloss finish. Crated, 375 lbs.
Each **$17.75**



"Puritan"

MATERIAL—Solid Indiana oak.

SIZE—70 in. high, base 25x42 in.

FEATURES—Genuine porcelain sliding top, tilting metal flour bin with sifter, two drawers, metal cake and bread box with ventilated sliding top, drop roll curtain front, sliding tray and sliding wire shelf, pan rack.

EQUIPMENT—Complete set of 5 spice jars, 1 tea and 1 coffee jar, crystal glass sugar jar on swinging steel hanger.

P2673—Golden gloss finish, white enameled upper inside. Crated, 250 lbs.
Each **$27.25**

"Liberty"

MATERIAL—Solid Indiana oak.

SIZE—70 in. high, base 25x42 in.

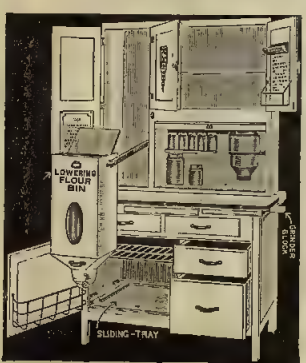
FEATURES—Genuine porcelain sliding top, tilting metal flour bin with sifter, two drawers, metal cake and bread box with ventilated sliding top, double roll curtain front.

EQUIPMENT—Complete set of 5 spice jars, 1 tea and 1 coffee container, crystal glass sugar jar on stationary metal stand.

P2671—Golden gloss finish, white enameled upper inside. Crated, 300 lbs.
Each **$25.75**

P2672—White enameled inside and outside. Crated, 300 lbs.
Each **$27.75**

"DE LUXE"



The Wonder Cabinet at a Popular Price

Note the remarkably large number of time and labor saving features offered at this price! Is it any wonder women recommend the "De Luxe" so highly to neighbors, sending customer after customer to the store where she purchased her "De Luxe"?

A big hit everywhere!

MATERIAL—Selected Indiana oak.

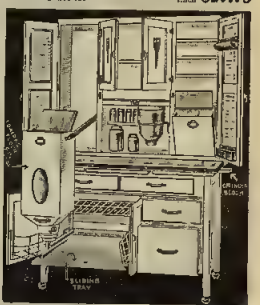
SIZE—72 in. high base 30x42 in.

FEATURES—Genuine porcelain sliding top, lowering flour bin, with sifter, two extension sliding drawers under top and one other drawer, metal cake and bread box with ventilated slotted top, drop roll curtain front, sliding tray and sliding wire shelf, pan rack and spice block.

EQUIPMENT—Complete set of 6 spice jars, 1 tea and 1 coffee container, crystal glass sugar jar, on swinging steel hanger.

P2675—Golden gloss finish, white enameled upper inside. Crated, 375 lbs. Each **$35.00**

P2676—White enameled inside and outside. Crated, 375 lbs.
Each **$37.25**



"Amazon"

MATERIAL—Selected Indiana oak.

SIZE—72 in. high, base 27x48 in.

FEATURES—Genuine porcelain sliding top, lowering flour bin, with sifter, cooling compartment with 2 shelves, drop roll curtain front, sliding wire shelf, 2 pan racks, easy to reach 1 other drawer, metal cake and bread box with ventilated sliding top, grinder block.

EQUIPMENT—Complete set of 5 spice jars, 1 tea and 1 coffee container crystal glass sugar jar on swinging steel hanger, large bread board.

P2677—Golden gloss finish, white enameled upper inside. Crated, 515 lbs.
Each **$44.00**

P2678—White enameled inside and outside. Crated, 515 lbs.
Each **$49.00**

"Utility"

MATERIAL—Solid Indiana oak.

SIZE—40 in. high, base 30x22 in.

FEATURES—Genuine porcelain sliding top, metal cake and bread box, white ventilated sliding top, sliding wire shelf, pan rack, 3 large drawers, grinder block, one large bread board.

EQUIPMENT—Complete set of 5 spice jars, 1 tea and 1 coffee container, crystal glass sugar jar, on stationary metal stand.

P2679—White enameled inside and outside. Crated, 175 lbs.
Each **$24.75**

WOOD TOP KITCHEN TABLES

97x42 in. white wood top, stained legs and apron drawer.
P2505—2 in crate, 87 lbs.
Each **$3.25**
Lots of 6 Each **$3.00**

Drop Leaf—38x20 closed 38x1, open, strong hinges, braced and bolted construction. 1 in crate, 50 lbs.
P2507—Golden
Each **$5.85**

PORCELAIN TOP KITCHEN TABLE

[illegible] 1 [illegible] 1 [illegible] 1 [

STIMULATORS

Boys' 2 Pocket Work Shirt

Best color blue chambray—big roomy [illegible]—EXTRAORDINARY VALUE

Sizes 12 to 14

Faced Sleeves

8D2980—[illegible] blue chambray [illegible] pockets [illegible] Sizes 12 to 14. **$6.00**

Men's Accordion Knit Four-In-Hand Ties

Asstd Patterns

First time accordion ties have been offered at a price which will allow you to sell profitably at 10c each. 36 different combinations, no two ties alike.

Accordion Knit

7D1001—[illegible] on built, 1⅝ in wide 44 [illegible] apron" and cotton [illegible] [illegible] stripes, silver flannen and [illegible] dozen ties. Doz **$2.25**

Cassimere Trousers

For Men or Young Men

Excellent fabric in a fancy [illegible] pattern—[illegible] cut and style. Offered at a price that makes these one of the most [illegible] specials.

17 In. Cuff Bottoms

1A7100—[illegible] Belt loops. STATE SIZES. **$2.50**

Indian Play Suit

Every dry goods store, variety store and department store can sell Indian suits—here's a great DOLLAR LEADER for your dollar day sales

Sizes 4 to 10 Yrs.

"Indian Chief"

1A7560—Khaki [illegible] red and white [illegible] Sizes 4 to 10 yrs. STATE SIZES. Doz **$8.50**

220 Wt. White Back Blue Denim

OVERALLS and OVERALL COATS

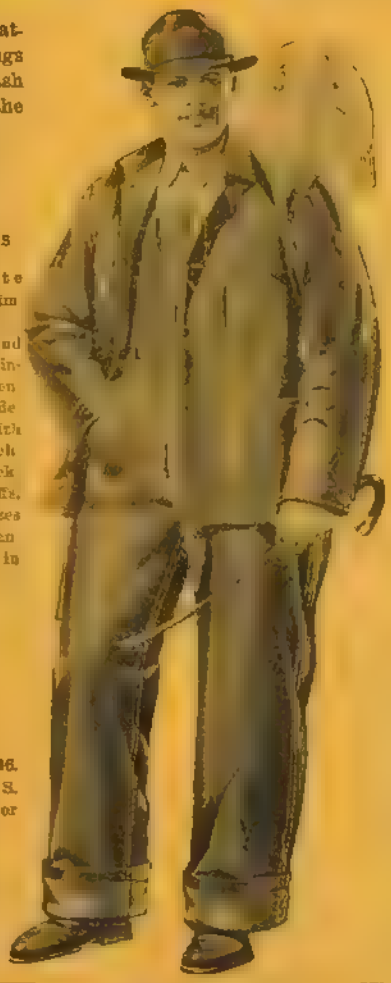
Actually one of the greatest overall bargain offerings in our history! A huge cash purchase accounts for the value.

UNDER MARKET

Suspender Back Overalls

8D4114—220 wt. white back blue denim 2-seam legs, 6 pockets (2 swing, 2 hip, 1 rule, 1 watch and pencil), sewed on apron, reinforced band, faced side openings, 3-button stayed fly, detachable suspender back with elastic inserts. Double stitched felled seams, red bar tacked, 2-button brass cuffs, brass buttons and loops. Sizes 32 to 42 in. waist, 32 and 34 in leg. STATE SIZES. Sold in any quantity.

$11.95



Coat to Match

8D4059—Sizes 36 to 46. STATE SIZES. Asstd. sizes 1 doz. in bundle or solid sizes in any quantity.

DOZ **$11.95**

"GOLDEN RULE" Chambray Work Shirts

Your old customers know the "Golden Rule" quality, and these shirts are made unusually well throughout. Read the specifications—then figure your saving!

Continuous Sleeve Facing

8D3564—"Golden Rule" blue chambray. Pocket full yoke, double stitched throughout, [illegible] cuffs facing and pocket. Continuous sleeve [illegible] Extra [illegible] pieces. Finished 44, 46 and 48 in wide 34 in long. Assorted [illegible] 14½ to 17. 1 doz in bundle. Doz **$6.87½**

Men's 6 Oz. Canton Flannel Glove

Leather Faced

Regular $3.00 value! Priced so you can use it as a window leader

7D7065—6 oz. white canton flannel, inside nap, leather faced palm and ¾ thumb, 3 seam back, 2½ in blue knit wrist. 1 doz. in bdl. Doz **$2.75**

STIMULATORS

BARGAIN LEADER

For Your Boys' Department

Jersey Oliver Twist Suit

In our judgement one of the biggest values in a juvenile suit we have offered you in years. Sturdy workmanship — made to give extra wear. And this attractive style is always one of the biggest sellers. Would regularly wholesale for $18.00 doz.

Sizes 4 to 8 Yrs.

1A1[illegible] — [illegible] Suit [illegible] Sizes 4 to 8 yrs. Each [illegible] $13.50

Boys' Junior Overcoat

A positive super-bargain! Well made popular brown mixture—price we're sure you can't duplicate!

Sizes 5 to 10 Yrs.

1A7726—Good weight [illegible] cloth [illegible] Sizes 5 to 10 yrs. STATE SIZES [illegible] $5.00

"Service" Work Pants

An EXTRAORDINARY work trousers bargain! Full cut and extra well made in every detail. Fully bar tacked. A heavy weight fabric that outwears any other at anywhere near its cost!

"Trojan" Cotton Worsted

1A2353—Heavy [illegible] oz. dark brown fancy stripe "Trojan" cotton worsted. Pearl [illegible] [illegible] [illegible]

Overland TRUNKS

"Vacation Time Is Trunk Selling Time"

Full Size, Dark Blue Fiber Wardrobe

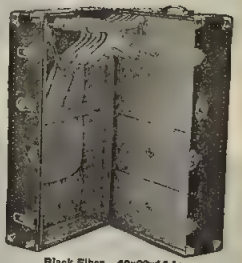
SPECIAL!

42x22x21 In.

9 Hangers, 5 Drawers, Shoe Box, Laundry Bag

5A230—Dark blue heavy vulcanized fiber, fiber bound round edges, velvet lined open dome top. Equipped with 9 veneer hangers on nickel plated extension rack. Nickel plated locking device locks all 5 drawers in one operation. Bottom drawer is hat box style. Shoe box and laundry bag also included. This is a favorite model of good capacity and offered at a price to get the big vacation business. Weight about 85 lbs. EACH **$30.00**

Steamer Wardrobe



Black Fiber—40x22x14 In.

5A245—The most convenient small trunk made. Holds coats, suits, dresses and skirts, traveling th ms all in perfect order. Black vulcanized fiber and fi w ll edges evenly nailed on rack with 6 veneer garment hangers, flipped drop top drawer with removable partitions, two lower full drawers. Weight about 70 lbs. Each **$20.00**

Popular Priced Wardrobe

Navy Blue Fiber
12 Veneer Hangers

42x24x22½ In.

5A256—Navy blue vulcanized fiber, fiber bound round edges, velvet lined open dome top. Equipped with extension rack with 12 hangers, 5 drawers with nickel plated steel reinforcements and locking device locking all drawers in one operation, also laundry bag and shoe box. Weighs about 95 lbs. Each **$35.00**

Built for Strength

Study this diagram! It shows how "Overland" trunks are built to last through many seasons of service.

Boxes are of selected, thoroughly seasoned basswood and veneer—all first quality stock—and are covered with hard, heavy, tested fiber. We never use soft fiber or substitutes.

"Overland" wardrobe trunks are hand riveted and fitted with snap lock and lever bolts. Heavy brass plated hardware throughout; tastefully lined with fancy cretonne cloth.

All trunks listed here are shipped from factory, F. O. B. New York City.

Large Wardrobe

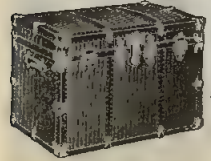
Heavy Black Fiber
12 Veneer Hangers

45x24x22½ In.

5A260—Black heavy vulcanized fiber, steel reinforced sides, fiber bound round edges, closely nailed, reinforced open dome top. Equipped with nickel plated double sliding wardrobe rack with 12 hangers, 5 drawers with nickel plated steel reinforcements and locking device for all drawers in use operation, also laundry bag, shoe box and dust curtains. Weight about 100 lbs. Each **$42.50**

BLACK VULCANIZED FIBER DRESS TRUNKS

Good grade fiber cemented on boxes made of well seasoned lumber. Every detail constructed with the greatest care.



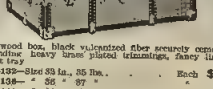
Black vulcanized fiber on basswood and veneer box, fiber binding and 2 center bands, steel roll protected bottom, heavy brass plated lock and corner bumpers, fancy lining, deep compartment tray.

5A21034—Size 34 in., 65 lbs.	Each	$12.00
5A21036— " 36 " 70 "	"	12.75
5A21040— " 40 " 80 "	"	14.00

Heavy black vulcanized fiber on selected basswood and veneer box, heavy fiber binding and center bands, heavy brass plated snap lock, corners, dowels, and lever bolts, full hand riveted, linen lining, deep compartment tray.

5A21534—Size 34 in., 65 lbs.	Each	$16.50
5A21536— " 36 " 70 "	"	17.00
5A21540— " 40 " 80 "	"	18.00

STEAMER TRUNKS



Heavy basswood box, black vulcanized fiber securely cemented on, fiber binding, heavy brass plated trimmings, fancy lined compartment tray.

5A32132—Size 32 in., 85 lbs.	Each	$10.50
5A32136— " 36 " 87 "	"	11.50
5A32140— " 40 " 90 "	"	12.50

TRUNKS—BAGS—SUIT CASES

Overland

"OVERLAND" luggage is made to wear inside and out. There are many hidden reinforcements and improvements in construction that it is impossible to show in plain type. Each bag and suit case in individual shipping carton unless specified.

DRESS TRUNKS

Good grade fiber cemented on boxes made of well-seasoned lumber, every detail constructed with the greatest care.

Dark Blue Fiber

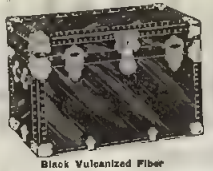
Strong box, bound with japanned iron, metal bottom, Excelsior lock; good brassed hardware. Fancy lining. Inside compartment tray

			Each
5A20025—Size 28 in.	42 lbs.		$4.70
5A20032— " 32 "	53 "		5.40

Dark Blue Fiber

Special 3 ply construction box, metal covered bottom, Excelsior lock, steel bound corners, brass plated hardware, fancy lining, compartment tray.

			Each
5A20637 —Size 32 in.	45 lbs.		$7.00
5A20638— " 36 "	51 "		6.25
5A20639— " 38 "	58 "		6.25



Black Vulcanized Fiber

Heavy hardwood box top edges rounded, heavy fiber bound edges, hardwood chestnut slat bottom brass plated snap lock corners and catches, fancy lining, deep covered tray

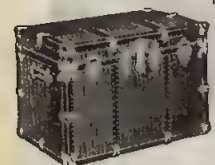
			Each
5A32034—Size 34 in.	50 lbs.		$10.00
5A32036— " 36 "	65 "		10.50
5A32038— " 38 "	68 "		11.00

Black Vulcanized Fiber

Basswood and veneer box, fiber binding and 2 center bands, steel rail protected bottom, heavy brass plated lock and corner bumpers, fancy lining, deep compartment tray

			Each
➡5A21034—Size 34 in.	65 lbs.		$12.00
➡5A21036— " 36 "	70 "		12.75
➡5A21040— " 40 "	80 "		14.00

Items marked (➡) shipped from factory F. O. B. New York City

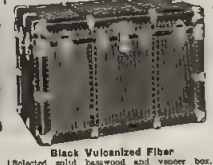


Black Vulcanized Fiber

Full size wardrobe, basswood and veneer box, heavy fiber binding and corner bands, heavy brass plated snap lock, corners, dowels and lever bolts, full hand riveted steel lining, deep compartment tray

			Each
➡5A21534—Size 34 in.	65 lbs.		$19.50
➡5A21536— " 36 "	70 "		17.00
➡5A21540— " 40 "	80 "		18.00

Items marked (➡) shipped from factory F. O. B. New York City

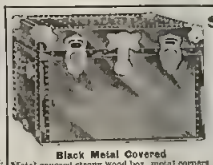


Black Vulcanized Fiber

Selected solid basswood and veneer box, all edges rounded, heavy fiber binding and corner bands, heavy brass plated lock, corners, dowels and lever bolts, full hand riveted steel lining, fancy covered tray with hat protector retrs dress tray.

			Each
➡5A20637—Size 32 in.	65 lbs.		$18.50
➡5A20638— " 36 "	75 "		19.50
➡5A20640— " 40 "	85 "		20.50

Items marked (➡) shipped from factory F. O. B. New York City.



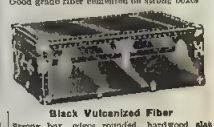
Black Metal Covered

Metal covered strong wood box, metal corners 3 slat metal covered bottom reinforced steel rail top, brassed snap lock catches and corners, brassed nails, fancy floral lining, inside partitioned tray.

			Each
5A20124—Size 24 in.			$3.25
5A20132 " 32 "			4.00
5A20136 " 36 "			4.50

STEAMER TRUNKS

Good grade fiber cemented on strong boxes



Black Vulcanized Fiber

Strong box, edges rounded, hardwood slat bottom, brass plated lock, corners and catches fancy lining, deep covered tray.

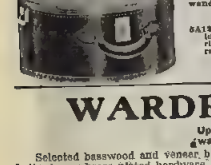
			Each
5A22132—Size 32 in.			$7.25
5A22134— " 34 "			8.25
5A22136— " 36 "			8.75

ARMY LOCKER

A small size steamer trunk that is in big demand today for campers, small enough to be carried on running boards of most cars

Olive Vulcanized Fiber

5A2205—21 in. long 12 in. deep, 12 in. high, 3 ply construction box, hand fiber covering, steel bound with heavy hoop steel brass plated hardware and good lock, fancy lining compartment tray. Wt., about 31 lbs. . . . Each $3.65



Black Vulcanized Fiber

Heavy hardwood box, fiber binding, heavy brass plated triangles, fancy lined compartment tray.

			Each
➡5A2132—Size 32 in.	85 lbs.		$10.80
➡5A2136 " 36 "	87 "		11.50
➡5A21340 " 40 "	90 "		12.60

Items marked (➡) shipped from factory F. O. B. New York City

HAT BOX

It would be hard to find a better value for the money in a serviceable and good looking hat box than this. Read the description—then you'll wonder how we can sell it for this price.

5A134—9x18 in., black enamel cloth, black imitation leather binding, brassed lock and catches, leather ring handles, fancy flowered lining, shirred pockets, removable hat carrier in body and top. Each, 4.25

Black Vulcanized Fiber

Heavy hardwood box, fiber binding, heavy brass plated triangles, fancy lined compartment tray.

			Each
➡5A2132—Size 32 in.	85 lbs.		$10.80
➡5A2136 " 36 "	87 "		11.50
➡5A21340 " 40 "	90 "		12.60

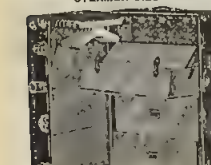
Items marked (➡) shipped from factory F. O. B. New York City

WARDROBE TRUNKS THAT SELL

Up-to-date models constructed to give maximum service. The latest improvements in wardrobe convenience—hanging devices so arranged to allow free and ready access.

Selected basswood and veneer boxes, well seasoned lumber and only selected first quality stock used, hand riveted, wardrobe snap locks and lever bolts, heavy brass plated hardware throughout, all fancy cretonne cloth linings. These wardrobes are all made from heavy vulcanized fiber that has passed rigid inspection. We do not use any soft fiber or fiber substitutes

STEAMER SIZE



Black Vulcanized Fiber

Fiber bound, closely tacked with round head brassed nails, crutipped with nickel plated folding rack, 6 veneer hangers, hinged drop top drawer with removable partitions, 2 lower pull drawers, approx. wt. 70 lbs.

➡5A245—Steamer size, outside dimensions, 40x22x44 . . . . . Each $24.00

Items marked (➡) shipped from factory F. O. B. New York City

FULL SIZE

Dark Blue Vulcanized Fiber

Velvet lined open dome top, fiber bound round edges, 6 veneer hangers, 5 drawers, bottom drawer combination hat box, laundry bag, shoe box, nickel plated locking device, locks all drawers in 1 operation. Approx wt. 85 lbs.

➡5A250—Full size, outside dimensions, 45x23x61 . . . . . Each $30.00

Items marked (➡) shipped from factory F. O. B. New York City

FULL SIZE

Navy Blue Vulcanized Fiber

Velvet lined open dome top, [illegible] round edges, 6 veneer hangers, 5 drawers, bottom drawer combination hat box, laundry bag, shoe box, nickel plated locking device, locks all drawers in 1 operation. Approx wt. 85 lbs.

➡5A250—Full size, outside dimensions 42x24x62½ . . . . . Each $32.00

Items marked (➡) shipped from factory F. O. B. New York City

FULL SIZE

Black Vulcanized Fiber

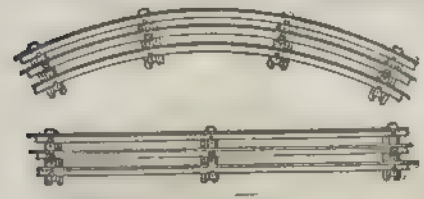
Velvet lined open dome top, [illegible] round edges, 6 veneer hangers, 5 drawers, bottom drawer combination hat box, laundry bag, shoe box, nickel plated locking device, locks all drawers in 1 operation. Approx wt. 85 lbs.

➡5A250—Full size, outside dimensions 42x24x62½ . . . . . Each $42.50

Items marked (➡) shipped from factory F. O. B. New York City

EXTRA PARTS FOR ELECTRIC AND MECHANICAL TRAINS

ELECTRIC



TRACK "O" GAUGE

T3326 OS, straight track, 10¼ ins. long. Section 10

T3327—OC, curved track. 10¼ ins. long. Section 10

SWITCHES WITHOUT ELECTRIC LIGHTS

T3329 — "O" gauge; post lever which throws and sets track; insulated plate; length 11 in., 9 in. wide; one pair in box, right and left. Pair 2.00

WITH ELECTRIC LIGHTS

T3330—Same, but equipped with electric signal light. Pair . . 2.50

CROSS OVER

T3328—"O" gauge, 45 degree cross-over; used in conjunction with switches, for making figure "8" and figure "8" loops; length 11 ins., 5½ ins. wide. Dozen . . . 7.50 Each 65

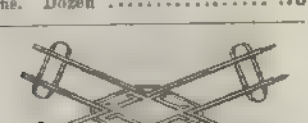
EXTRAORDINARY VALUES

MECHANICAL

TRACK

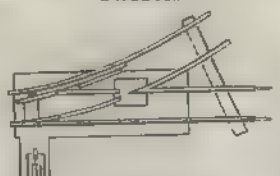
T3241—Straight track units with pins on one end only; length 10¼ ins. Dozen 75

T3242—Curved track units with pins on one end only; length 10¼ ins. Dozen 75



T3243—Cross-over, with pins on two ends only.
Dozen . . 4.25 Each . . .38

SWITCH



T3244—Switch; right and left, with lever throw, pins on one end only.
Pair 79

WARNING SIGNAL

T3415—Cast iron 2¼ x2¼ in. base, with upright and diamond shaped signal, finished in black and white enamel, black lettering on white, height 7 ins.; 1 dozen in box. Dozen 3.75

WARNING SIGNAL With Bell

T3420 Metal base 3¼x3¼ ins., supporting crossing post, warning signals and nickeled key wind bell, attaches to track; when train passes over trip, bell rings, height 7½ ins.; each in box.
Each 78

RAIL ROAD CROSSING

T3414—Black enameled, 2¼x2¼ in cast iron base, with square white enameled post, and two cross arms marked "Railroad Crossing;" reading from both sides, height 7¼ ins.; 1 dozen in box.
Dozen . . 3.75

TELEGRAPH POLES

T3411—All iron; 1¾ in. round base, ¼ x 6 in. pole, two 1¾ in. cross arms, with 4 insulators, nicely finished in colors, height 8½ ins.; 1 dozen in box.
Each 35

T3412—Same, 10 in. pole, two 2½ in. cross arms with 8 insulators; height 10¼ ins.; 1 dozen in box. Each. .87

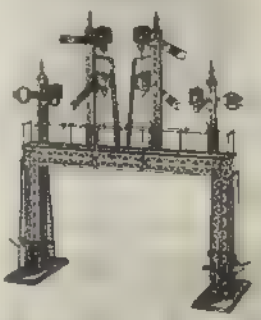
SEMIPHORES

T3424—Round 3 in. black base; 9 inch round white pole; semaphore operated by lever; height 9¾ ins.; 1 dozen in box.
Dozen . . 1.95

SEMIPHORES OIL BURNING

T3251—Oil burning, stamped tin steel; 3 in. round base; lattice upright, with double semaphore arms, operated by rods and weights, brass founts for holding oil, height 13¾ ins.; 1/3 dozen in box.
Dozen 4.50

ELECTRIC



T3422—Two 2¾ x4¼ in. bases, latticed frame supporting bridge and one single arm and one double arm semiphores; electric wired, each arm operating by lever independent; side ladder; nicely finished in black, white and red enamels, width 11¼ ins., height 16 ins.; each in box. Each . 3.00

T3423 Same as T3422 but with 3 single semiphores with lights and one double arm semaphore, without lights; width 16 ins., height 16 ins.; each in box. Each 4.50

ELECTRIC STREET LAMPS

T3396—All metal, black enameled steel, 2 inch round base, clear globe; height 7½ ins.; complete without bulbs; 1 dozen in box. Each . . 70

T3397 all metal 2 inch base, height 6¼ ins.; each in box without bulb. Each . 72

ELECTRIC ARC LAMPS

T3402—All metal 3x3 in base fancy cast column, supporting single 2x3½ in. frosted globe; height 14 ins.; each in box, without bulb. Each 1.25

T3403—Same as T3402 but with double arc lamps, height 14 ins., each in box, without bulb. Each . . 1.50

BUNGALOW

T3488 — Buff stucco finished all metal house, green trim, red roof, electric wired, size 3½x4½ ins., 6 ins. high; each in box. Each 72

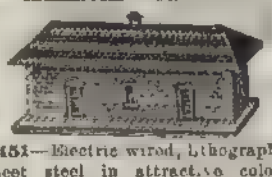
TUNNELS

T3442 Embossed metal base in rock formation, plaster covered and decorated to represent real tunnel; size 10x6 ins.; 7½ ins. high; 1 in box.
Each 72

T3443 — Extra fine wood frame, plaster covered, and an excellent reproduction of a mountain railway tunnel; 10x12 ins., 10 ins. high; each in box. Each 1.25

T3444 Same as T3443, larger; 11x15 ins., 13 ins. high; each in box. Each 2.75

RAILROAD STATIONS



T3451—Electric wired, lithographed sheet steel in attractive colors; with waiting rooms, ticket office, etc.; removable top, all edges turned; 5½x10½ in. 5 in. high; each in box, without bulb.
Each 1.15

T3452 Same as T3451, larger; divided into 3 rooms, with telegraph office; colored glass windows; 6½x14½ in., 7 in. high; each in box, without bulbs. Each . . 2.75

T3453—Same as T3452, larger, 9x20 ins., 8½ in. high; each in box, without bulbs. Each 5.00

WATER TANK

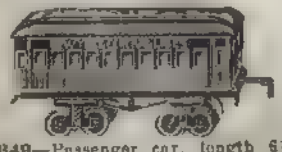
T3440 — Red enameled tank 3x3x3½ ins., mounted on gray enameled angle irons, braced and with ladder; spout; height 8 ins.; each in box.
Dozen 6.50

EXTRA CARS FOR "O" GAUGE TRAINS

SINGLE TRUCKS PASSENGER CAR

T3341 Passenger car, length 6½ ins.; ¼ dozen in box. Dozen 3.75

DOUBLE TRUCKS PASSENGER CAR



T3349—Passenger car, length 6½ ins.; ¼ dozen in box. Dozen 5.50

EXTRA CARS FOR "O" GAUGE TRAINS

OBSERVATION CAR

T3350—Observation car, length 6½ ins.; ¼ dozen in box. Dozen 5.50

BAGGAGE CAR

T3352—Baggage car, length 6½ ins.; ¼ dozen in box. Dozen 5.50

T3352½—Combination baggage car and day coach; length 6½ ins.; ¼ dozen in box. Dozen.....5.50

GONDOLA CAR

T3356—Gondola car; length 6¾ ins.; ¼ dozen in box. Dozen 5.50

COMBINATION CAR

T3330—Combination baggage and day coach; length 8 ins.; each in box. Dozen 8.00

ASSORTED CARS

SINGLE TRUCK

T3342—Assorted 6 kinds.
A—Santa Fe
B—Illinois Central
C—Erie
D—Dutch Cleanser
E—Swift
F—Pennsylvania
length 5¾ ins.; ½ dozen in box, assorted. Dozen 3.75

DOUBLE TRUCK

T3353—Assorted 4 kinds
A—Swift
B—Dutch Cleanser
C—B & O
D—Santa Fe
length 6½ ins.; 1/2 dozen assorted in box. Dozen 5.50

TRANSFORMERS

That embody all the latest improvements; they are designed to be connected to the alternating light circuit for reducing the current to operate all classes of electrical toys. Complete line of Lionel Transformers, page 20.

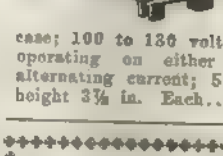
T3462—"Little Jeff"; capacity 50 watts, 100 to 120 volts, 50 to 133 cycles; equipped with regulating switch delivering secondary voltage 5½ to 10½ volts, in one volt steps; black enameled and complete with cord and plug; size 4x3x2¾ ins.; each in carton. Each 1.95

T3465—Capacity 150 watts, 100 to 120 volts, 50 to 133 cycles; regulating switch delivering secondary voltage of 1.2 to 30 volts in 1.2 volt steps; permanent voltages 6, 12, 18 and 24 volts; black enameled; cord and plug; will also operate tree outfits up to thirty-two 14-volt lamps; size 5¾x5½x4¼ ins.; each in carton Each 4.95

T3463—"Midget"; capacity 75 watts, 100 to 120 volts, 50 to 133 cycles; regulating switch delivering secondary voltages 5½ to 22½ volts in one-volt steps; black enameled; cord and plug; size 3¾x3¾x3 ins.; each in carton. Each 2.50

T3464—Capacity 100 to 120 volts, 50 to 133 cycles; regulating switch, delivering secondary voltages 5½ to 23 volts in ¾ volt steps; permanent voltages from 4½, 9 and 13½ volts; black enameled; cord and plug; will also operate tree outfits up to sixteen 14 volt lamps; size 4½x4½x3½ ins.; each in carton. Each 3.85

ELECTRIC MOTORS



T3487—Heavy cast black enameled iron base, 3¾x4 in. full nickel polished case; 100 to 130 volts, 60 cycle, operating on either direct or alternating current; 5 foot cord; height 3¾ in. Each.....3.68

We are offering you this season the best selling Holiday items in all lines and at rock bottom prices — values you can not obtain anywhere else in this country.

WEEDEN STEAM ENGINES

Exact models of the big engines; all the best selling up-to-date numbers; every one guaranteed to be mechanically perfect and to operate.

T4168 — Weeden upright steam engine, blued steel boiler; iron fire box; metal base and engine frame handsomely finished in colors; 2 inch nickel plated balance wheel; good whistle; diameter base 4 ins.; 9½ ins. high. Each in box. Dozen 6.00

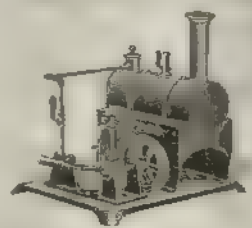
T4170 — Weeden upright steam engine, blued steel boiler; iron fire box; metal base and engine frame finished in colors; large cylinder; 2½ inch nickel plated; turned face balance wheel; whistle; diameter base 4½ ins.; 11¼ ins. high. Each in box. Each... .75

T4172—Weeden upright steam engine; blue steel boiler, iron fire box, metal base red enameled; 2½ in. nickel plated balance wheel; brass finished cylinder; with whistle and water gauge showing the actual amount of water in the boiler; diameter base 4½ in., height 11¾ ins.; each in box. Each 1.00

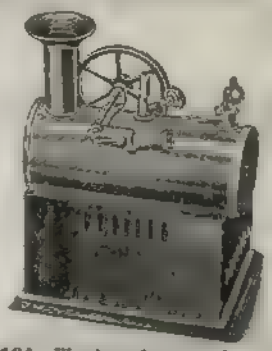
T4183 — Upright engine; polished brass boiler; blue steel fire box; 5 in. red base, 3 in. polished nickel fly wheel with pulley; water gauge and whistle; height 12½ ins.; each in box. Each 1.89

With Coal Oil Burner

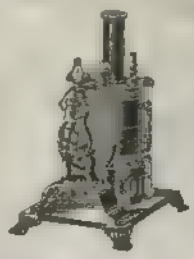
T4181 — Weeden upright steam engine; boiler polished brass, base and running parts finished in colors; special lamp and draft being adapted for burning coal oil, fitted with water gauge; large, turned face balance wheel, a very attractive model; height 11 inches; each in box. Each 2.15



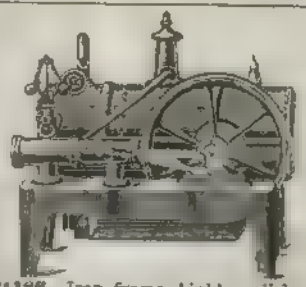
T4173—Horizontal; polished brass boiler; red enameled fire box; gray base; 2½ in. nickeled fly wheel with shaft and pulley; whistle and governor; size base, 4x8 ins., 10½ in. high; each in box. Each 1.50



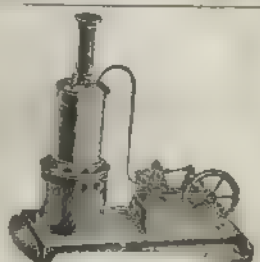
T4184—Weeden horizontal steam engine; polished brass boiler, iron fire box, mounted on strong base, finished in colors; safety valve, whistle, 2 in. diam., turned face balance wheel; size base 5¾x4½ ins.; 9 in. high; each in box. Each 1.75



T4182 Weeden Reversible Engine; highly polished brass boiler; whistle securely locked to the boiler and made steam tight; oscillating cylinder with short stroke, which makes it run at a very high speed, being equipped with a reverse lever by which it can be run forward and backward; this makes it desirable for running small launches or boats; fully equipped with water glass, whistle, filler and governor and smokestack; each in a box. Each 2.89



T4186—Iron frame, highly polished brass boiler, with steam dome, whistle, safety valve, and water gauge; cylinder, steam chest and slide rest are cast in one piece; balance wheel polished steel face; rapid and easy running; size of base 6x6½ ins., 7¼ ins. high. Each 3.95



T4180—Brass boiler, gun metal finish; nickeled trim., 2½ in. nickeled balance wheel, whistle, throttle valve, and rotating governor; maroon enameled iron base; blue steel fire box; size base 6½x9 ins., 8¾ in. high; each in box. Each 4.25

STONEWARE

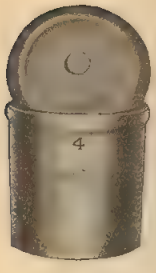
A package charge of 10%, with a minimum charge of $1.00, will apply to all shipments.

Glazed stoneware manufactured by the Pacific Clay Products Co., Los Angeles, Calif.

Shipments made direct from factory. No stock carried in San Francisco.

BUTTER JARS

REGULAR PATTERN



LOW PATTERN

REGULAR PATTERN

Capacity	Per 100, with covers	Per 100, without covers
¼ gal	$ 20.00	$ 10.00
½ gal.	25.00	15.00
1 gal.	30.00	20.00
2 gal.	60.00	40.00
3 gal.	80.00	60.00
4 gal.	100.00	80.00
5 gal.	130.00	100.00
6 gal.	150.00	120.00
8 gal.	250.00	200.00
10 gal.	300.00	250.00
12 gal.	350.00	300.00
15 gal.	600.00	450.00

REGULAR PATTERN

Capacity	Per 100, with covers	Per 100, without covers
20 gal.	$ 750.00	$ 600.00
25 gal.	960.00	800.00
30 gal.	1185.00	960.00
40 gal.	2000.00	1700.00
50 gal.	2700.00	2400.00
60 gal	3200.00	2900.00

LOW PATTERN

Capacity	Per 100, with covers	Per 100, without covers
¼ gal.	$20.00	$10.00
½ gal.	25.00	15.00
1 gal.	40.00	20.00
1½ gal	50.00	30.00
2 gal	60.00	40.00

CHURNS

Churns and covers only. Dashers extra.

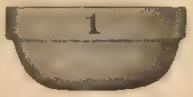
Capacity	Per 100
1 gal.	$ 33.00
2 gal.	66.00
3 gal.	88.00
4 gal.	110.00
5 gal.	132.00
6 gal.	154.00
Dashers, net per 100.	54.00

CUSPIDORS

Red glazed.

Size	Per 100
6 in.	$25.00
8 in.	35.00

MILK PANS



Capacity	Per 100
½ gal.	$ 8.00
¾ gal.	10.00
¼ gal.	11.00
½ gal.	16.00
1 gal.	22.00
1½ gal	33.00

CIDER COOLERS

Can be used for all acid drinks. Ice chamber filled with ice, keeps liquid cool without dilution.

Capacity	Per 100
5 gal.	$245.00
6 gal.	265.00

Package charge of 10% with a minimum package charge of $1.00.

STONEWARE

Glazed stoneware manufactured by the Pacific Clay Products Co., Los Angeles, Calif.

Shipments made direct from factory. No stock carried in San Francisco.

WATER COOLERS

White glazed.

Capacity	Per 100
3 gal.	$600.00
5 gal.	800.00

COMBINETS

Size	Capacity	Per 100
9½x9½ in.	2 gal.	$100.00

YELLOW BOWLS

No.	Diameter	Capacity	Per 100
42	4⅞ in.	⅛ gal	$ 6.65
36	5¼ in.	⅛ gal	2.35
30	6 in.	⅛ gal	10.00
24	7 in.	¼ gal	15.00
18	8¼ in.	½ gal	20.85
12	9½ in.	¾ gal	33.33
9	10½ in.	1 gal	41.67
6	11½ in.	1¼ gals	58.33
4	12½ in.	1½ gals	66.67
3	13½ in.	2 gals	91.67
2	14¾ in.	2⅞ gals	125.00
1	16¼ in.	3½ gals	183.33

Loose.

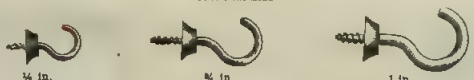
SAN FRANCISCO STOCK IN FULL CARTONS ONLY.

Prices include package charge.

No.	Carton quantity	Per carton
6	12	$13.50
9	18	14.50
12	24	15.30
18	24	9.90
24	24	7.00
30	24	4.80

BRASS CUP HOOKS

Cuts Full Size



½ in. ⅝ in 1 in

No. 81—Brass Wire, Polished

Size, inches	½	⅝	¾	1
Weight per gross, lbs.	⅜	½	⅝	1¼
Per gross	$3.75	3.85	4.00	5 25

One Gross in a Box

BRASS SHOULDERED SCREW HOOKS

Cuts Full Size

⅝ in ¾ in 1 in 1¼ in

No. 412—Brass Wire, Polished

Size, inches	⅝	¾	1	1¼	1½
Weight per gross, lbs.	¾	⅛	1	1½	2
Per gross	$3.85	4.00	5.25	9 00	11 00

One Gross in a Box

DUMB WAITER FIXTURES

PARAGON

Paragon Automatic Dumb-Waiter Fixtures Only

Constructed so that it will hold the car stationary at any point without the use of a brake or rope clamp. Works easily and with perfect safety for the moment the operator ceases pulling the hand rope, either raising or lowering, the automatic clutch will hold the car in its place. Illustration shows the machine which goes at the top of well and which is arranged to have the weight at the right. Furnished regularly with babbitt bearings.

Showing Dumb Waiter with Fixtures

Fixtures Only

No.	Capacity Lbs.	Well In.	Wheel In.	Shaft	Single Face Each	Double Face Each
P1	50	20x20	16	16	$38.00	$49.00
P2	100	27x27	20 or 24	19	46.00	58.00

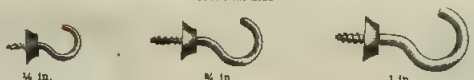
Weight per Set about 75 Pounds

The Nos. P1 and P2 are sheave machines and are arranged for the weight to come at the right unless otherwise ordered. If it is desired to have the weight at the left, place the hoist wheel on the back end of the shaft. The pulley wheels should be placed from 3 to 6 inches below the weight rope wheel. The pulley at left in such position that the groove of the wheel will be directly over the center of the car. The other pulley shown in the illustration is to guide the weight rope over the center of the weight box. With the fixtures only a third pulley is furnished, for weight at back. This, however, should not be done unless absolutely necessary. Use ⅜-inch diameter Manila rope for the center and one foot for each foot of well in height. Use ⅝-inch diameter Manila or Hemp rope for the hand rope, and two feet for each foot of well in height, plus 10 feet.

Not Carried in Stock, Shipped Direct from Factory.

BRASS CUP HOOKS

Cuts Full Size



½ in. ⅝ in 1 in

No. 81—Brass Wire, Polished

Size, inches	½	⅝	¾	1
Weight per gross, lbs.	⅜	½	⅝	1¼
Per gross	$3.75	3.85	4.00	5 25

One Gross in a Box

BRASS SHOULDERED SCREW HOOKS

Cuts Full Size

⅝ in ¾ in 1 in 1¼ in

No. 412—Brass Wire, Polished

Size, inches	⅝	¾	1	1¼	1½
Weight per gross, lbs.	¾	⅛	1	1½	2
Per gross	$3.85	4.00	5.25	9 00	11 00

One Gross in a Box

DUMB WAITER FIXTURES

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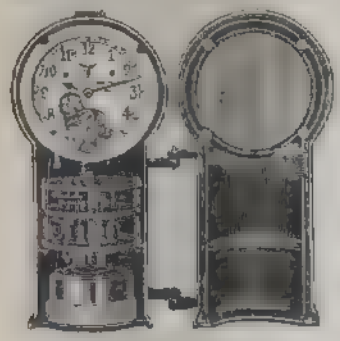
Not Carried in Stock, Shipped Direct from Factory.

TIME SWITCHES

PARAGON

Cast iron case, black japanned; equipped with corbin lock and felt gaskets, furnishing complete protection from dust and weather. Will automatically turn on and off lights or other electric circuits up to four operations a day on one weekly winding. Equipped with high grade eight day jewel bearing marine clock movement. Switch operated by a powerful motor which is independent of the movement, allowing it to function solely as a clock and keep accurate time.



For Indoor Use.
Glass Face. Double Pole.

	Each
No. 1—Capacity 30 amperes; 250 volts; 45 amperes; 110 volts; height 14½ ins, width 6½ ins	✦$112 80

Crated; wt each 20 lbs

For Indoor Use.
Glass Face. Double Pole.

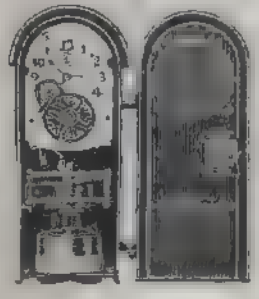
	Each
No. 3—Capacity 10 amperes; 250 volts; 15 amperes 110 volts; height 11¾ ins; width 4½ ins	✦$96 00

Crated; wt each 15 lbs.

For Outdoor Use.
Closed Face. Double Pole.

	Each
No. 2—Capacity 30 amperes; 250 volts; 45 amperes; 110 volts; height 13¾ ins; width 5½ ins	✦$112 80

Crated; wt each 20 lbs



For Outdoor Use.
Closed Face. Double Pole.

	Each
No. 4—Capacity 10 ampere, 250 volts; 15 amperes; 110 volts height 11¾ ins; width 4½ ins	✦$96 00

Crated; wt each 15 lbs.

SPECIAL ATTACHMENTS

	Each
No. SA—Sunday shut-off attachment	✦$12 00
No. EA—Attachment for turning on earlier by hand	✦12 00
No. SO—Attachment for special operations	✦9 60
No. ET—Attachment for two extra trips	✦4 80

Thermostat and Heat Coils.

With this attachment outdoor clocks are made immune from climatic changes by a small automatic heat coil and thermostat.

	Each
No. 2HCT—For No. 2	✦10 20 $4 00
No. HCT—For No. 4	✦10 20 4 00

One in carton; wt each 2½ lbs

✦F. O. B. Illinois Factory Only.

TIME SWITCHES

AMERICAN

Cast iron case, black japanned; equipped with lock and felt gaskets, making it absolutely dust, dirt and waterproof. The air is automatically conditioned by a secret process that requires no attention. It maintains regularity in the timing and switching movements and entirely prevents congealing of oil and slowness in action during cold weather. Will automatically turn on and off lights, control burglar and fire alarm systems, or other electric circuits on one weekly winding.

Composed of two individual mechanisms, a clock and a switch motor, each individually wound, but directly connected by intermeshing gears, together functioning as a single mechanism.

Equipped with high grade sapphire jewel bearings. A rotary type H & H switch is directly connected on the main spindle of the powerful motor, assuring instantaneous functioning and positive on and off connections. An ingenious brake and lock device eliminates all stress or shock from the entire clock at the time the quick acting switch functions.

GLASS FACE

For Indoor or Outdoor Use.

Height 10 inches; width 6 inches; depth 4 inches. White dial diameter 4 inches; black hands and numerals.

REGULAR TYPE FOR SINGLE CIRCUITS

	Each
No. 10—Capacity 10 amperes; 250 volts; double or single pole, A. C. or D. C.	✦75 93 *$80 00*
No. 20—Capacity 20 amperes; 250 volts; double or single pole; A. C. or D. C.	✦75 93 *86 00*
No. 30 Capacity 30 amperes, 250 volts; double or single pole, A. C. or D. C.	✦75 93 *86 00*
No. 50 Capacity 50 amperes; 250 volts; double or single pole, A. C. or D. C.	✦81 00 *40 00*

Crated; wt each 15 lbs

SPECIAL TYPE FOR TWO CIRCUITS

Type	1st Turn	2nd Turn	3d Turn	4th Turn	Each
A	Circuit 1 on	Circuit 2 on	Circuits 1 and 2 off		✦75 93 *$86 00*
B	Circuits 1 and 2 on	Circuit 1 off	Circuit 2 off		✦75 93 *86 00*
C	Circuit 1 on	Circuit 2 on	Circuit 1 off	Circuit 2 off	✦75 93 *86 00*
D	Circuit 1 on	Circuit 1 off and 2 on	Circuit 2 off		✦75 93 *86 00*
E	Circuit 1 on	Circuit 1 off	Circuit 2 on	Circuit 2 off	✦75 93 *86 00*
F	Circuit 1 on	Circuit 2 on	Circuit 2 off	Circuit 1 off	✦75 93 *86 00*

✦F. O. B. Ohio Factory Only.

DISTRIBUTING TRANSFORMERS

ALLIS-CHALMERS

60 Cycles—Single Phase, 2300 (4000Y) Volts—Primary. 115 to 230 Volts Secondary Out Door Service—Maximum Rated.

The coils in these transformers are form wound and impregnated by the vacuum process, with insulating compound of the highest dielectric and mechanical strength obtainable. Special protection against injury is provided by extra reinforcement of insulation where required. The laminated cores, are of the best grade silicon steel, each lamination being well insulated with special core plate varnish.

After complete assembly of the core and coils, same are mounted in a rectangular case. The cases are all of sheet steel, electrically welded and are free from oil leakage frequently encountered in the old cast iron cases which are apt to be cracked or injured by rough usage.

The complete transformer is submerged in oil and the cover of the case forms an effective seal against entrance of moisture or dust by means of oil-proof gasket. Prices and weights are for transformers boxed for domestic shipment. Transformers will have the oil shipped in cans if the amount per transformer does not exceed 280 lbs. (40 gallons); for an amount exceeding 280 lbs. per transformer, oil will be shipped in steel drums having a capacity of 350 lbs., (50 gallons) each. Oil drums will be billed to the purchaser and credited upon their return by purchaser to original point of shipment free of transportation charges.

Secondary Voltages—Transformers are arranged for series, multiple of three wire service by connection of leads outside the case. Transformers will carry the rated KVA load continuously with a temperature rise not exceeding 55° C.

For light and power service, single phase 60 cycles they are designed for the following:

Normal 2300 Volts H V to 230/115 L V.
Can be used 2200 Volts H V to 220/110 L V.
Can be used 2400 Volts H V to 240/120 L V.

By changing connections inside of covers same transformers can be used as follows:

Normal 2300 Volts H V to 460/230 L V.
Can be used 2200 Volts H V to 440/220 L V.
Can be used 2400 Volts H V to 480/220 L V.

Note—Prices include oil for all sizes and cutouts for 50 KVA and smaller.

ALLIS-CHALMERS

Nos.	1½-KVA	3-KVA
Capacity, K. W	1½	3
Lbs of oil	29	46
Wt each, lbs	205	260
Each	111 15	153 90
	$65 00	*90 00*

Nos.	5-KVA	7½-KVA
Capacity, K. W	5	7½
Lbs of oil	41	75
Wt each, lbs	290	390
Each	201 78	265 05
	$118 00	*155 00*

DISTRIBUTING TRANSFORMERS

ALLIS-CHALMERS

Nos.	10-KVA	15-KVA	25-KVA
Capacity, K. W	10	15	25
Lbs of oil	70	86	165
Wt each, lbs	425	515	850
Each	321 60	+429 30	+624 15
	$188 00	*251 00*	*365 00*

Nos.	37½-KVA	50-KVA
Capacity, K. W	37½	50
Lbs of oil	220	250
Wt each, lbs	1275	1925
Each	+837 90	+1026 00
	$490 00	*600 00*

Nos.	75-KVA	100-KVA
Capacity, K. W	75	100
Lbs of oil	280	325
Wt each, lbs	2100	2400
Each	+1282 50	+1539 00
	$750 00	*900 00*

WAGNER W. S. TYPE

60 Cycle—Single Phase, 2300 Volts—Primary—110 to 220 Volts Secondary, Complete.

Transformers enclosed in rugged cast iron case that will not leak oil. Cases so shaped as to be easy to handle in line construction. Special design lead bushings are inserted from the inside of case and so shaped that large end is inside of case making it impossible to bump the bushings by moving transformer.

A special arrangement by which the copper lead is stripped of all its insulation when it is under the surface of oil prevents siphoning oil out of case, various layers of high voltage coils are separated by bakelite tubes sufficient to withstand a higher voltage than actually exists between these parts.

The coils in these transformers are wound with double cotton covered copper strips with each turn insulated separately. End turns of coils which connect to out going leads are extra heavily insulated to prevent damage due to surges or other abnormal line voltages.

The coils are finished with a layer of linen tape treated with a non-hydroscopic compound which effectually removes all moisture and produces a winding practically impervious to moisture.

Nos.	WS-1½KVA	WS-3KVA	WS-5KVA	WS-7½KVA
Capacity, KW	1½	3	5	7½
Qts of oil	14	16	18	24
Wt each, lbs	150	263	280	360
Each	92 70	139 05	182 10	249 75
List Price, Each	*$36 00*	*54 00*	*72 00*	*97 00*

Nos.	WS-10KVA	WS-15KVA
Capacity, KW	10	15
Qts of oil	32	30
Wt each, lbs	396	441
Each	+298 05	+396 45
List Price, Each	*$118 00*	*167 00*

+F. O. B. Ohio Factory Only.

SHOT GUNS

DOUBLE BARREL, HAMMERLESS

PARKER

CH Grade, Breech Loading.

Contains many of the desirable features found in higher grade guns, and fulfils the demand for a medium priced, artistic, hard shooting and trade gun.

Barrels—Finest Bernard steel, very evenly figured; fine Damascus steel, finely figured or Acme steel of high grade (without figure); cylinder, modified or full choke bored.

Stock—Fine imported walnut; straight, half or pistol grip; silver shield; fine checkering and engraving of neat design; rubber cap; skeleton butt plate.

Weights—10 gauge, 7¾ to 10 lbs.; 12 gauge, 7 to 9 lbs.; 16 gauge, 6 to 8 lbs.; 20 gauge, 5¾ to 7½ lbs.

With Automatic Ejector.	Each
No. CHE10—10 ga., 28, 30 or 32 in. barrels	✦$591 00
No. CHE12—12 ga., 26, 28, 30 or 32 in. barrels	✦ 591 00
No. CHE16—16 ga., 26, 28, 30 or 32 in. barrels	✦ 591 00
No. CHE20—20 ga., 26, 28, 30 or 32 in. barrels	✦ 591 00

One in cardboard box, ten in wood case.

BH Grade, Breech Loading.

Barrels—Extra fine Damascus steel, cylinder, modified or full choke bored.

Stock—Fine imported walnut, with straight, half or pistol grip; rubber cap; gold shield, extra fine checkering and engraving of handsome design and artistic workmanship, skeleton butt plate.

Weights—10 gauge, 7¾ to 10 lbs.; 12 gauge, 7 to 9 lbs.; 16 gauge, 6 to 8 lbs.; 20 gauge, 5¾ to 7½ lbs.

With Automatic Ejector.	Each
No. BHE10—10 ga., 28, 30 or 32 in. barrels	✦$807 00
No. BHE12—12 ga., 26, 28, 30 or 32 in. barrels	✦ 807 00
No. BHE16—16 ga., 26, 28, 30 or 32 in. barrels	✦ 807 00
No. BHE20—20 ga., 26, 28, 30 or 32 in. barrels	✦ 807 00

One in cardboard box, ten in wood case.

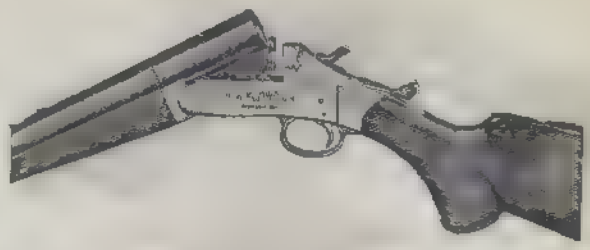
Note—From factory can furnish higher priced Parker guns. Write for catalog and prices.

✦F. O. B. Connecticut Factory Only.

SHOT GUNS

SINGLE BARREL, HAMMER

—NITRO HUNTER—



Breech Loading.

This gun has the distinction of being a design different from any offered and is copyrighted; heavy ball breech frame, metal lined fore-end; full pistol grip with rubber cap and coil spring. The stock of this gun has the same appearance as high grade hammerless guns.

The barrel is fitted into a solid forging which forms the major portions of the barrel at the breech, also the lug and water shed. Fine walnut stock with extra rubber butt plate.

Average weight 7 lbs.

WITHOUT AUTOMATIC EJECTOR

Nickel Plated Frame.

	Each
No. NH12—12 gauge, 30 or 32 in. barrel, full choke	$34 50
No. NH12-34—12 gauge, 34 in. barrel	35 25
No. NH12-36—12 gauge, 36 in. barrel	36 00
No. NH16—16 gauge, 30 or 32 in. barrel	34 50
No. NH20-28—20 gauge; 28 in. barrel	34 50

Case Hardened Frame.

	Each
No. NH012—12 gauge, 30 or 32 in. barrel	$34 50
No. NH016—16 gauge, 30 or 32 in. barrel	34 50

WITH AUTOMATIC EJECTOR

Nickel Plated Frame.

	Each
No. NH12E—12 gauge, 30 or 32 in. barrel	$35 25
No. NH16E—16 gauge, 30 or 32 in. barrel	35 25
No. NH20E—20 gauge; 28 in. barrel	35 25

One in cardboard box, ten in wood case.

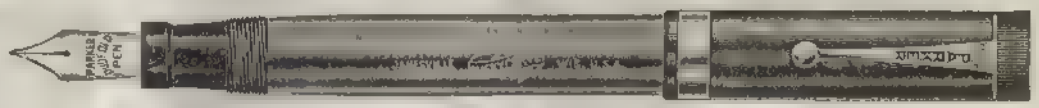
PARKER PENS and PENCILS

PARKER SAFETY-SEALED FOUNTAIN PENS

One of the most widely advertised and extensively used lines of fountain pens and automatic pencils. For many years the name "Parker" has stood for quality and now their new improvements have put them far ahead of all others in up-to-dateness.

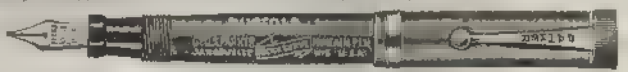
Self-Filling — "DUOFOLD" PENS—Safety Sealed

1 The pressure bar, capped inside the barrel and out of harm's way
2 Simple filling action press the button, release and repeat 10
3 Inner sleeve in cap forms ink-tight seal so the pen cannot leak
4 Gold band reinforcement on "Duofold" pen caps.



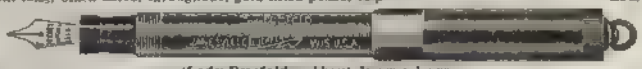
Actual size cut of "Duofold"

J5027—Full size "Duofold" 5¼ in. long, red Chinese lacquer effect barrel, black ends, gold filled pocket clip
J5060—Full size "Duofold," 5¼ in. long, black barrel throughout, gold filled pocket clip
1 in box, Each **$5.25**
Lots of 4 or more, Each **4.67**



"Duofold Jr." About ⅔ actual size

J5028—"Duofold Jr." 4⅛ in. long, red Chinese lacquer effect barrel, black ends, gold filled pocket clip
J5060—"Duofold Jr." 4⅛ in. long, black barrel throughout, gold filled pocket clip
1 in box, Each **$3.75**
Lots of 4 or more, Each **3.34**



"Lady Duofold" About ⅔ actual size

J5029—"Lady Duofold," 4⅛ in. long, red Chinese lacquer effect barrel, black ends, ring attachment
J5061—"Lady Duofold," 4⅛ in. long, black barrel throughout, ring attachment
1 in box, Each **$3.75**
Lots of 4 or more, Each **3.34**

"LUCKY CURVE" PENS

Safety self filler non-leakable, 14k gold pen, hard iridium point. Guaranteed by manufacturer for 1 year

J5024—No. 2 pen, gold filled ring attachment. Each **$2.10**

"DUOFOLD" PEN AND PENCIL SETS

Red Chinese lacquer barrel, gold filled bands, 14k gold pen, iridium point. Duofold "Jr." non-clog pencil to match

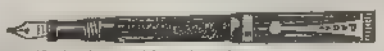
J5077—Full size "Duofold," 5¼ in. pen, gold filled pocket clip, 4½ in. pencil to match. Each set in gold tooled plush lined leather box. SET (2 pcs) **$7.85**

J5076—"Lady Duofold," 4⅛ in. pen gold filled band and ring attachment, 4½ in. pencil to match. Each set in gold tooled plush lined leather box. SET (2 pcs) **$6.38**

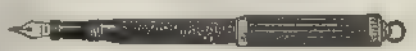
QUANTITY PRICES ON PARKER PENS and PENCILS APPLY ON ONE STYLE or ASSORTED

"D. Q." STUDENT'S PENS

Screw cap with white gold filled band, 14k gold pen, hard iridium point, black chased barrel



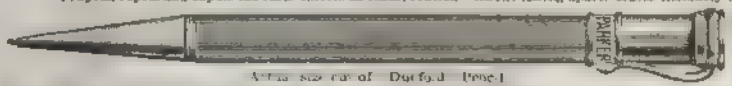
J5092—5¼ in. long, with pocket clip
J5093—4⅛ in. long, with pocket clip
1 in box, Each **$2.25**
Lots of 4 or more, Each **2.00**
Lots of 12 or more, Each **1.80**



J5094—4⅛ in. long, ring attachment.
1 in box, Each **$2.25**
Lots of 4 or more, Each **2.00**
Lots of 12 or more, Each **1.80**

"DUOFOLD" NON-CLOG PENCILS

Propels, repels and expels the lead, carries 12 leads, refilled without taking apart, eraser instantly accessible



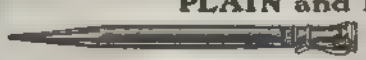
Actual size cut of Duofold Pencil

Lever or Ring End Style

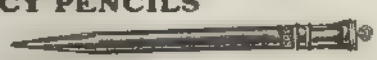
RED Chinese lacquer effect holders, gold filled ends
J5108—4⅛ in. long, with pocket clip
J5109—4½ in. long, with ring top
1 in box, Each **$2.63**
Lots of 4 or more, Each **2.33**
Lots of 12 or more, Each **2.10**

BLACK holders, gold filled ends.
J5110—4⅛ in. long, with pocket clip
J5111—4½ in. long, with ring top
1 in box, Each **$2.63**
Lots of 4 or more, Each **2.33**
Lots of 12 or more, Each **2.10**

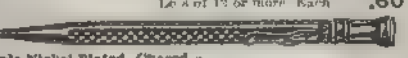
PLAIN and FANCY PENCILS



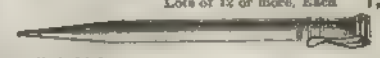
Nickel Plated, Plain
J5100—4⅛ in. long, with pocket clip.
J5101—4½ in. long, with ring attachment
1 in box, Each **$0.75**
Lots of 4 or more, Each **.67**
Lots of 12 or more, Each **.60**



Sterling Silver, Plain
J5104—4⅛ in. long, with pocket clip
J5105—4½ in. long, with ring attachment.
1 in box, Each **$1.88**
Lots of 4 or more, Each **1.67**
Lots of 12 or more, Each **1.50**



Triple Nickel Plated, Chased—
J5102—5¼ in. long, with pocket clip.
J5103—4½ in. long, with ring attachment
1 in box, Each **$1.13**
Lots of 4 or more, Each **1.00**
Lots of 12 or more, Each **.90**



Gold Filled, Plain—
J5106—4½ in. long, pocket clip.
J5107—4½ in. long, with ring attachment,
1 in box, Each **$2.25**
Lots of 4 or more, Each **2.00**
Lots of 12 or more, Each **1.80**

LEAD REFILLS

J5112—12 leads in wood tube. 1 doz. tubes in cardboard box
Lots of 12 doz. tubes
Doz tubes **80c**
Doz tubes **72c**

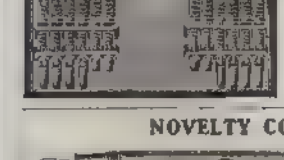
GOLD BAND FOUNTAIN PENS

Self-Filling Pens—On Display Cards

Highly polished black chased barrels, 14k gold pens with iridium points, gold filled bands and levers, safety screw caps.

J5031—Full length, 5¾ in., with gold filled pocket clip
1 doz. on display card. Doz **$8.95**

J5032—Short length, 4⅛ in. with ring attachment.
1 doz. on display card. Doz **$8.95**

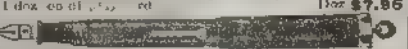


J5030—Assorted ½ doz. full length and ½ doz. short length styles on display card
Doz **$8.95**

"RAINBO TOP" FOUNTAIN PENS

Self-Filling Pens—On Display Cards

Highly polished jade barrel assorted coral, blue, purple, white or red tops on end of pen, large size 14k gold pen with iridium point, safety screw cap, guaranteed



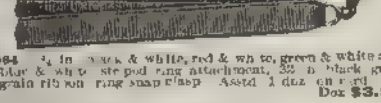
J5034—Full length, 5¾ in., with pocket clip
1 doz. on display card. Doz **$7.95**

J5035—Short length, 4⅛ in., with pocket clip
1 doz. on display card. Doz **$7.95**

J5033—Assorted ½ doz. each of long and short styles on display card. Doz **$7.50**

STRIPED PROPELLING PENCILS

With Black Grosgrain Ribbon

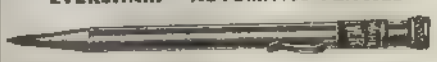


J5084—¼ in. black & white, red & white, green & white and blue & white striped ring attachment, 25 in. black grosgrain ribbon ring snap clasp. Asstd 1 doz. on card
Doz **$3.95**

"EVER-RITE" GOLD AND NICKEL PLATED PENCIL ASST.

J5043—8 styles, 8 full length, 5 in. gold and nickel plated, 4 short length, 4 in. gold plated with ring attachment, magazine with reserve leads. Asstd 1 doz. on easel display card.
Doz **$3.95**

"EVERSHARP" AUTOMATIC PENCILS



Silver Plated, Plain Finish—
J5000—Full length, 5¼ in., pocket clip.....
J5001—Short length, 4 in. ring top
Each **60c**
Lots of 12, Each **50c**

"EVERSHARPS" TO SELL AT 75c

Assorted Finishes

J5018—5¼ in. long pencil of composition material, clip and eraser in hexagon circle and of round assorted colors. Complete with extra leads for all. Asstd 1 doz. on display card. Doz **$6.00**

LEAD REFILLS

J5013—12 leads in wood tube. 1 doz. tubes in cardboard box
Doz tubes **79c**
Lots of 12 doz. tubes. Doz tubes **72c**

NOVELTY COMBINATION FOUNTAIN PEN AND PENCIL

J5085—8 in. long, black chased barrel nickeled pocket clip. On one end lever self-filler fountain pen with 14k solid gold iridium tipped pen on the other end a pencil that propels, repels and expels, metal tube with eraser end and 12 reserve leads each in box. 1 doz. on easel display card
Doz **$12.00**

POPULAR PRICED WATCHES

Famous "Despatch" Watch

Established in a class by itself by virtue of remarkable SALES, which are based on high grade timekeeping ability at a popular price.

14 size, open face, polished nickel plated case, hand carved effect bezel and back, moon hands, antique crown and bow, beveled crystal. Guaranteed high grade American movement. 1 in box.

J7300—White dial.
Lots of 6 Each **$.95**

J7302—Radium dial. Each **$1.75**

"UNCLE SAM" WATCH

J9653—"Uncle Sam," 14 size, open face, nickel plated unbreakable crystal, [illegible] movement. Uncle Sam in [illegible] 1 in box
Each **85c**
Lots of 50, Each **82c**

"TIP TOP" WATCHES

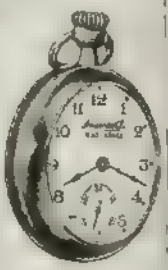
18 size [illegible] plain polished [illegible]
J7255—White dial Each **$1.15**
J7256—[illegible] radium hands and numerals
Each **$1.80**

"INGERSOLL" WATCHES

Open face, nickel finish or solid nickel case
Each to individual box

		Each
J7252—	"Yankee," 16 size	$1.17
J7253	"Yankee," radiolite, 16 size	1.83
J7254	Junior, 12 size	2.33
J7255—	Midget, 6 size	2.33

J7252
Famous Yankee
Each $1.17



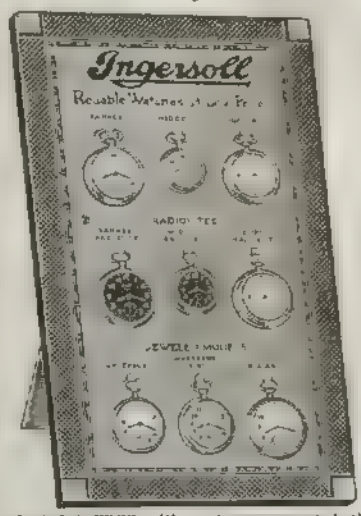
J7286—Radiolite wrist watch, 6 size, black dial, radium figures, leather strap
1 in box
Each **$3.00**

J7284—"Waterbury," 12 size, solid nickel case, 5 jewel with "Waterbury" jewel balance
Each **$3.67**

J7285—"Reliance," 12 size, solid nickel case, with Ingersoll Reliance 7 jewel bridge model movement, Guaranteed.
Each **$5.00**

"INGERSOLL" ASSORTMENT

With Display Fixture



Included FREE with each assortment is the above metal fixture that shows and sells the goods.

J7250—Each watch in box. Assortment complete with 10x16 in. metal display stand. Assorted 18 watches as follows,

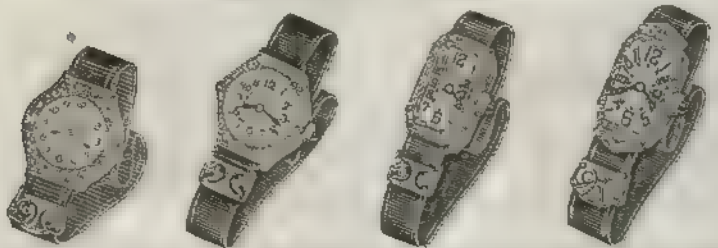
Your Cost	Suggested Retail
8 only Yankee	$ 9.36	$1.25
4 " Yankee Radiolite	7.32	2.45
1 " Eclipse	2.00	3.00
1 " Junior	2.33	3.50
1 " Midget Radiolite	2.67	4.25
1 " Waterbury	4.67	6.75
1 " Waterbury Radiolite	4.83	6.50
1 " Reliance	5.00	7.50

Retail $55.25
Your Profit 18.41
Assortment 18 Watches $36.84

WRIST WATCHES

WOMEN'S GOLD WRIST WATCHES

Imported High Grade Movements

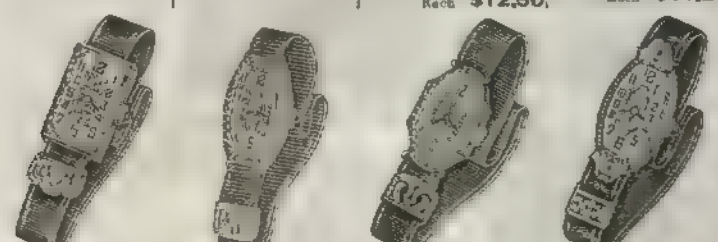


25 Yr. White Gold Filled Case—10½ ligne, beveled shape, engraved back and bezel, fancy silver dial, black silk ribbon with adjustable clasp. 1 in box.
J7576—6 jewel, nickel lever movement.
Each **$5.95**

25 Yr. White Gold Filled Case—10½ ligne, Marquise shape, engraved fancy silver dial, black silk ribbon with adjustable clasp. 1 in box.
J7581—16 jewel, lever movement.
Each **$7.75**

Rectangular shape, 6½ ligne, engraved sides, back and bezel, 6 jewel lever movement, fancy silver dial. 1 in box.
J7582 25 yr. white gold filled case
Each **$9.50**
J7583—14k solid white gold case
Each **$12.50**

18k White Gold Filled Case—Rectangular shape engraved sides, back and bezel, fancy silver dial, black silk ribbon with adjustable clasp. 1 in box.
J7584—6 jewel lever movement
Each **$11.25**



14k Solid White Gold Case—Reliable quality, 6½ ligne rectangular shape, engraved sides and bezel, fancy silver dial, black silk ribbon with 14k white gold clasp. 1 in box
J7585—16 jewel, lever movement.
Each **$19.50**

14k Solid White Gold Case—Marquise shape, engraved sides and bezel, [illegible] ribbon with 14k white gold clasp fancy silver dial. 1 in box
J7600—15 jewel, lever movement.
Each **$25.00**

18k Solid White Gold Case—6½ ligne oval shape, engraved fancy engraved dial, black ribbon bracelet with clasp. Each in display box
J7572—16 jewel adjustment lever movement
Each **$27.50**

18k Solid White Gold Case—Reliable quality 6½ ligne oval shape, engraved sides, back and bezel, [illegible] fancy silver dial, black silk ribbon with 18k white gold clasp. 1 in box
J7608—16 jewel lever movement
Each **$32.50**

WOMEN'S BRACELET WATCHES

Elgin—25 yr. white gold filled case, 6-0 size tonneau shape, engraved sides, back and bezel, black silk ribbon with adjustable white gold filled clasp
J7510—[illegible] jewel movement
Each **$19.50**

Elgin—25 yr. white gold filled case, 6-0 size, decagon shape, engraved sides, back and bezel, black silk ribbon with adjustable white gold filled clasp. 1 in box
J7511—[illegible] jewel movement
Each **$21.50**

Elgin—14k solid white gold case, 6-0 platinoid shape, engraved back and bezel, silver dial, black silk ribbon with white gold clasp. 1 in box
J7588—7 jewel movement
Each **$27.50**

Elgin 14k solid white gold case, 6-0 size, oval shape, engraved sides and bezel, silver dial, black silk ribbon, adjustable white gold clasp. 1 in box
J7597—7 jewel movement.
Each **$30.00**

Waltham—14k solid white gold case, 6-0 [illegible] shape, engraved sides, back and bezel, [illegible] silver dial, black silk ribbon with white gold clasp. 1 in box
J7598—7 jewel movement
Each **$36.00**

WOMEN'S WRIST WATCH

In Velvet Lined Gift Box

25 Yr. White Gold Filled Case—6½ ligne, rectangular shape engraved bezel, fancy silver dial, black silk ribbon with adjustable clasp
J7514—16 jewel lever movement
Each **$15.50**

Our Terms: 2% 10 Days 1% 30 Days Net 60 Days

GLASS LAMP STANDS

Solid one piece pressed lamps, patent collar with brass threads.

	Per Dozen
No. 9950B—With No. 2 collar, capacity 20 oz., 9½ in. high, weight per dozen 46 lbs.	$10 50

2½ Dozen in a Barrel.

KITCHEN LAMP FOUNTS

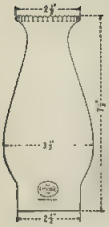
Glass, with patent glass collars.

	Per Dozen
No. 2—With No. 2 collar, capacity 14 oz., 3¼ in. high, weight per dozen 14 lbs	$4 00

Eight Dozen in a Barrel

LAMP CHIMNEYS

EMPIRE CRIMP TOP



Lumite glass, does not become milky nor does it discolor in use, each chimney packed in tube.

Nos.	11 E	31 E	61 E
Height, in.	7½	7½	7½
Diam. base, in.	2½	2½	2½
Dozen in case	1	3	6
Weight case, lbs.	6	12	22
Per case	$		

Nos.	12 E	32 E	62 E
Height, in.	8½	8½	8½
Diam. base, in.	3	3	3
Dozen in case	1	3	6
Weight case, lbs.	8	16	31
Per case	$2.50	7.50	14.00

LAMP CHIMNEYS

LA BASTIE NU TYPE

Case hardened by a process invented by M. de la Bastie, will withstand the most severe mechanical shock as well as sudden change in temperature.

Nos.	12LB	32LB
Height, in.	8½	8½
Diam. bottom, in.	3	3
Diam. top, in.	2	2
Diam. bulb, in.	4	4
Dozen in case	1	3
Weight case, lbs.	6	17
Per case	$6.50	18.00

EMPIRE, NU TYPE

Nos.	12 ENT	32 ENT
Dozen in case	1	3
Weight case, lbs.	6	16
Per case	$	

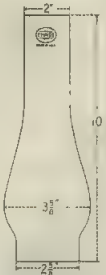
RAYO EMPIRE, PLAIN TOP

Fits No. 2 Rochester.

Nos.	12RE	32RE
Height, in.	10	10
Diam bottom, in.	2⅝	2⅝
Diam top, in.	2	2
Diam. bulb, in	3⅝	3⅝
Dozen in case	1	3
Weight case, lbs.	6	16
Per case	$5.00	14.00

Note—The heal of the Rayo chimney is ⅛ in. longer than on the No. 2 Rochester and the chimney is slightly different in shape.

EMPIRE ROCHESTER



Lumite glass, does not become milky nor does it discolor in use. Each chimney packed in tube.

Nos.	12 R	32 R
Height, in.	10	10
Diam. bottom, in.	2⅝	2⅝
Diam. top, in.	2	2
Diam. bulb, in.	3⅝	3⅝
Dozen in case	1	3
Weight case, lbs.	6	16
Per case	$14 00	22 00

Nos.	13 R	33 R
Height, in.	12	12
Diam. bottom, in.	4	4
Diam. top, in.	2⅞	2⅞
Diam bulb, in.	5⅛	5⅛
Dozen in case	1	2
Weight case, lbs.	12	34
Per case	$6 50	12 00

LANTERNS

PAULL'S REGAL

Tubular, inside lifting device swings globe away from operator, wire guard and bail, tin fount, No. 1 burner, ⅝ in. wick.

Per Dozen

No. 140—With plain globe, height 13½ in., weight per dozen 24 lbs. $19.00

One-half Dozen in a Box

PAULL'S LEADER, COLD BLAST

Bright tin, dome shaped fount, reinforced tube, with lift guard, wire bail and guard, No. 2 burner, 1 in. wick, regular cold blast globe.

Per Dozen

No. 180—With plain globe, height 14⅝ in., weight per dozen 28 lbs. $28.00

One-half Dozen in a Box

PAULL'S EZY-LIT, SHORT GLOBE

Bright tin, dome shaped fount, braced lift guide and reinforced tubes, fitted with short globe, No. 2 burner, 1 in. wick.

Per Dozen

No. 220—With plain globe, height 13¼ in., weight per dozen 30 lbs. $28 00

One-half Dozen in a Box

RAILROAD LANTERNS

ADLAKE KERO

Perfect ventilation, encased oil pot, outside wick raiser, removable bail lock, removable top globe holder, heavy bright tin case and top, heavy gauge wire guard, Adlake Kero globe.

Per Dozen

No. 250—Height 11 in., weight per dozen 36 lbs. $48.00

Extra Globes—For above 9 00

One Dozen in a Case

LAMPS

RAYO

Nickel plated brass body and base, embossed, center draft, 10 inch opal dome shade, nickel plated steel tripod, No. 2 Rochester chimney, No. 2 center draft burner, No. 2 Rochester wick, oil capacity 1¾ pints, height 18 inches.

Each

No. 1070—White shade .. $7.00

Weight per Dozen 70 Pounds.

Open Stock

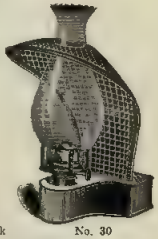
Each

No. 1070S—Dome shade only .$1.50

Open Stock

KITCHEN LAMPS

CLIMAX



Green japanned frame and fount, corrugated tin reflector.

Per Dozen

No. 30—Japanned tin fount, bright tin reflector, No. 2 Sun burner, chimney and wick complete $14 00

No. 20—Japanned tin fount, bright tin reflector and No. 2 burner, without wick and chimney 10.80

No. 10—Japanned tin fount, and reflector 8 50

Weight per Dozen Complete 28 Lbs.

Open Stock

No. 30

BRACKET LAMPS

JAXON'S

Extra heavy steel frame, tinned, 7½ in. corrugated tin reflector, complete with fount, No. 2 burner and wick, and No. 2 chimney, glass fount, plaster collar and outside filler.

Per Dozen

No. 320C—Projection 6 inches, height 13 inches, weight per dozen 35 lbs. $9.00

Open Stock

Per Dozen

No. 320—Bracket and reflector only $3.00

Open Stock.

"PENNANT" FIELDERS' GLOVES

Leather Lined

Selected olive glove leather, palm and fingers genuine leather lined leather back of unique extra diamond web. Nearly full size. 1 in box

1K490—For right hand player
1K500—For left hand player.
Doz **$8.75**

Buck Finish Horsehide

Professional model. leather welted seams all over workmanship. genuine soft oil tanned buck finish horsehide, has a water welted palm, full pad with deep roll, palm leather lined throughout. 1 doz in box.

1K507—For right hand player
1K508—For left hand player
Doz **$10.00**

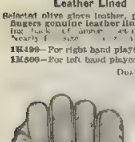
Leather Lined and Laced

1K568—Professional model, extra large top full wool selected smooth pebble grain leather lined throughout and extra leather binding laced full pads. leather lined throughout. English grain leather laced.
½ doz. in box ..... Doz **$16.75**

Rawhide Laced

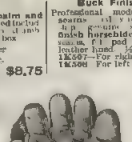
Leather lined and laced professional model, a fortunate purchase of a very large lot enables us to offer this price. Extra heavy shaped pattern, full leather lined with genuine leather thumb and fingers, leather welted seams, rawhide laced roll binding, felt pad with deep natural pocket, BLACK color. 1 in box

1K502—For right hand player
1K503—For left hand player.
Each **$1.33**



Hand Made Felt Pad

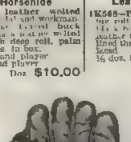
1K363 Black dyed pearl horsehide leather, full lined, full lacing back of fingers, tan lace welted and hand laced leather laced web. 1 in box Each **$1.60**



Black Roll Binding

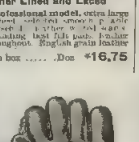
Selected tan horsehide leather, for professional model, has leather welted seams full lined, hand laced laced web, felt pad with deep roll, pocket. 1 in box.

1K555—For right hand player.
1K556—For left hand player. Each **$1.65**



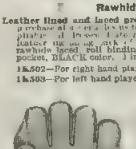
Full Leather Lined

1K523 Professional model finest cutside grain leather welted seams full lined, hand laced web, felt pad with deep roll, pocket. 1 in box. . Each **$2.10**



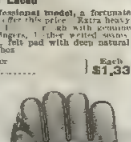
Adjustable Laced Thumb

1K551 "Bull dog" model, pebble grain horsehide, special welted seams, full lined, genuine shell cordovan leather lined web, laced web, felt pad with deep roll, welted seams, full lining. 1 in box.
Each **$3.25**



Hand Made Felt Pad

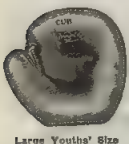
1K324 Professional model, genuine soft oil tanned horsehide leather lined, welted seams, hand laced web, felt pad with deep roll, pocket. 1 in box
Each **$4.00**



Adjustable Laced Thumb

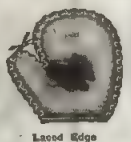
1K5[illegible] "Pro Professional," genuine soft oil tanned horsehide leather lined, full horsehide lined, deep roll, welted seams, full lining, hand laced web, felt pad, adjustable laced thumb. 1 in box
Each **$5.00**

"PENNANT" FIRST BASEMEN'S MITTS



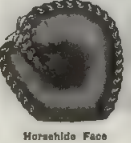
Large Youths' Size

1K328 — "Dollar Wonder" chrome tan leather, full lined, full lacing back, full length fingers, strap and button wrist, seamless sides. ½ doz. in box. Doz **$8.00**



Laced Edge

1K570—Cadet, large youths' tan leather throughout. 4 doz in box
Doz **$10.50**



Horsehide Face

1K572 — "Winner," large youths' tan leather back and fingers, laced sides. ½ doz in box
Doz **$12.60**

Hand Made Pad

"Semi pro," full pro's size, professional model, black leather, full lined, hand laced web, felt pad. 1 in box

1K571 Fabric laced. Each **$1.30**
1K575—Leather laced. Each **$1.35**

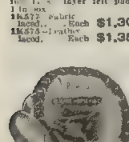
Layer Felt Pad

1K571 Professional model, heavy selected tan leather, heavy web lace, full length fingers, strap and button wrist, deep pocket. 1 in box Each **$2.00**

"Lefty" Grimm Model

Heavy brown calfskin, autographed, leather binding, leather welted layer felt pad.

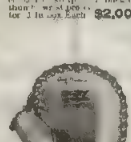
1K581 For right hand player
1K582—For left hand player Each **$2.35**



Asbestos Felt Pad

"Grabber" model, heavy soft tan horsehide, soft cushion web, padded thumb, full length lined hand, full length felt pad, full lining, soft roll web. Hay Grimm.

1K578—For right hand player
1K579—For left hand player
Each **$2.85**



"Ray Grimes" Model

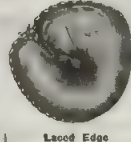
1K583 Dark brown dressed calf soft roll web, heavy lining lined hand laced web, layer felt pad, full lining. soft roll web. Ray Grimes.
1 in box Each **$5.00**

"PENNANT" CATCHERS' MITTS

Large Youths' Size

"Dollar Wonder", tan leather, full lined, full lacing back and fingers, laced web, felt pad, deep pocket, formed pad.

1K627—Tan leather
Doz **$7.75**
1K628—Black or white
Doz **$8.00**

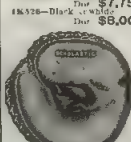


Laced Edge

1K627—Cadet, large youths' tan leather back and fingers, ½ doz in box
Doz **$10.50**

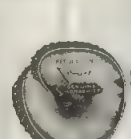
Black Horsehide Face

1K632 — "Winner," large youths' tan leather back and fingers laced edge. 4 doz in box
Doz **$12.60**



Full Size

1K525—"Scholastic" heavy brown calfskin, full lined, genuine leather lined, full length fingers, strap and button wrist, deep roll, deep pocket, formed pad, deep pocket. 1 in box
Each **$1.35**



All Leather

1K530 "Regulation" full size, heavy black, cowhide face, sewn leather back and fingers, leather faced, hand formed pad. 1 in box
Each **$1.40**

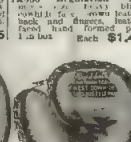
Hair Felt Layer Pad

1K531 — "Major League," brown heavy calfskin, full length fingers, leather laced strap and buckle back with wrist protector. 1 in box
Each **$2.60**

Hand Built Pad

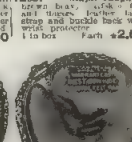
Professional" scoop heavy brown calfskin, full leather lined, full length fingers, hand laced web, felt pad, deep pocket, soft leather wrist protector.

1K539—For right hand player
1K540—For left hand player
Each **$3.95**



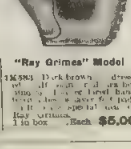
"Ray Schalk" Model

1K535 Brown selected dressed calf, leather lined soft flexible hand built web, felt pad, duplicate of the model used by Ray Schalk
1 in box. Each **$6.00**



"Hank Gowdy" Model

1K536—Autographed, selected black cowhide leather lined, welted seams, full back, full length fingers, hand formed pad, duplicate of the model worn by Hank Gowdy
1 in box. Each **$6.75**



OUR TERMS

2%

10 DAYS

1% 30 Days
Net 60 Days

BASEBALL GOODS

An all star aggregation—ball, bat, glove or mask, you are sure of a quick sale, a quick turn and repeat orders throughout the season—if you buy from these pages

"PENNANT" BASEBALLS

You Can Sell for 10c

Pennant "Boys' Favorite"

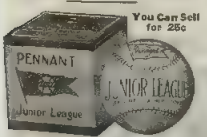
1K621—8½ in. extra heavy glazed imitation leather cover, close hand stitched with green thread, yarn wrapped core. 1 doz in box ..... Doz **79c**

You Can Sell for 25c

Pennant "Amateur League"

1K627—9 in., approx. 5 oz. genuine horsehide cover, hand stitched with 2-color thread, yarn wrapped core, each in carton. 1 doz in box ..... Doz **$2.00**

You Can Sell for 25c



Pennant "Junior League"

1K626—8 in., approx. 4½ oz., tan tanned selected genuine leather cover close hand stitched with 2 color thread, rubber cover yarn wrapped core, each in carton. 1 doz. in box

Doz **$2,00**

You Can Sell for 50c

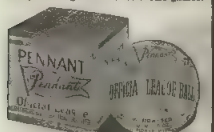
Pennant "Special League"

1K630—9 in., 5 oz., selected genuine horsehide cover, rubber center wrapped with wool mixture, stitched by skilled workmen with red and green waxed threads, each in carton.
½ doz. in box ..... Doz **$4,00**

IMPROVED "OFFICIAL LEAGUE"

Guaranteed 18 Innings

Think of it! A "dollar" retailer that you can guarantee for 8 full games.



You Can Sell for $1.00

1K637—"Pennant," 9 in., 5 oz., pure gum center, wound with wool yarn, genuine horsehide cover hand stitched by experts with red and green waxed thread, cover cemented to core, standard league ball construction, foil and tissue wrapped, sealed, one in each in carton. ½ doz. in box ..... Doz **$7.75**

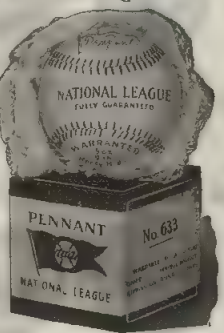
"PENNANT" League Baseballs

Guaranteed for 27 Innings

Think of it! We guarantee these league balls to last 8 full games or 27 innings. Moreover, in every respect, they meet the standard requirements of both professional leagues. How they will sell at $1.50 apiece!

9 in., 5 oz., 1 oz. center, wound with Eaton Rapids Government standard wool yarn, covered with Young's A1 alum tanned horsehide, double stitched in 2 colors with waxed thread by the highest skilled workmen. Subjected to rigid inspection and any ball not meeting League standard is rejected.

National League



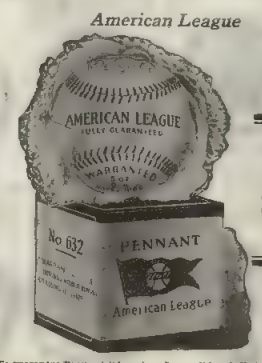
1K633 DOZ **$11.00**

We guarantee Pennant "National League" baseballs to last 8 full games or 27 innings.

"National League," red and black thread, finest pure Para gum center, each in sealed carton, foil and tissue wrapped

1K633—½ doz. in box ..... Doz **$11.00**

American League



1K632 DOZ **$11.00**

We guarantee Pennant "American League" baseballs to last 8 full games or 27 innings

"American League," red and green thread, cork and Para rubber center, each in sealed carton, foil and tissue wrapped.

1K632—½ doz. in box ..... Doz **$11.00**

PLAYGROUND BALLS Soft Filled

8¼ In. "Play Ball"

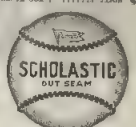
1K642—Imitation leather covered, closely stitched. 1 doz. in box. Doz **80c**

11 In. "Playground"

1K640—"Pennant," white stem tanned selected heavy leather cover, close stitched, 9 per filled, yarn wrapped. 1 doz. in box Doz **$2,00**

12 In. "Playground"

1K642—"Pennant," chrome tanned heavy grain horsehide cover, close stitched yarn wrapped fiber center.
½ doz. in box ..... Doz **$4,00**



12 In. "Scholastic"

1K653—"Pennant," 12 in., chrome tanned heavy grain horsehide cover closely stitched with strong waxed thread, fiber centers finely wound with yarn, each in carton. ½ doz. in box . . Doz **$7.20**

14 In. "Scholastic"

1K653—"Pennant," 14 in., chrome tanned heavy grain horsehide covered, closely stitched with strong waxed thread, fiber centers finely wound with yarn each in carton. ½ doz. box

Doz **$8,00**

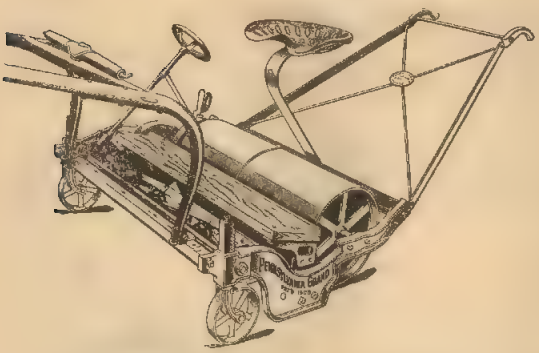
MORE PROFIT!

You will make more profit by pushing the "Pennant" line —and give your customers greater value.

Compare "Pennant" quality and prices

LAWN MOWERS

PENNSYLVANIA GRAND HORSE



The wheel at right of driver's seat regulates height of cut from ⅜ to 2⅞ inches. Height of cut can be instantly changed without leaving the seat. All wear of either revolving or stationary knives is taken up by a pair of set screws on top of cylinder journal boxes. The cylinder journals run in phospor bronze boxes, which are split so that all wear may be taken up by a set screw. Crucible steel, self-sharpening stationary knife. Cylinder 7½ inches in diameter, rollers 15 inches in diameter. Complete, with seat, shaft, etc., as illustrated.

30-inch cut.

No.			Each
111	4 Knives	Weight 635 lbs.	$240.00
112	6 Knives	Weight 645 lbs.	265.00

38-inch cut.

No.			Each
114	4 Knives	Weight 720 lbs.	$300.00
115	6 Knives	Weight 750 lbs.	325.00

EXTRA PARTS FOR LAWN MOWERS

SUNSET

No.	Wt. each	Each
C. H. H. Left side plate	3 lbs.	$1.50
C. S. S. Right side plate	3 lbs.	1.50
Drive wheel	4 lbs.	1.50
L. H. pinion	4 ozs.	.25
R. H. pinion	4 ozs.	.25
Pawl	½ oz	.05
Bottom knife complete, 12 in.	2¾ lbs.	2.00
Bottom knife complete, 14 in.	3¼ lbs.	2.50
Bottom knife complete, 16 in.	3¾ lbs.	3.00
Bottom knife complete, 18 in.	4¼ lbs.	3.50
Cylinder complete, 12 in.	5 lbs.	5.75
Cylinder complete, 14 in.	5¾ lbs.	6.00
Cylinder complete, 16 in.	6¼ lbs.	6.25
Cylinder complete, 18 in.	7 lbs.	6.50
Handle	2½ lbs.	1.50
Wood rollers, 12 in	¾ lb.	.45
Wood rollers, 14 in.	⅞ lb.	.50
Wood rollers, 16 in.	1 lb.	.55
Wood rollers, 18 in.	1⅛ lbs.	.60

TROJAN

No.	Wt. each	Each
H. H. Left side plate	2½ lbs.	$1.50
S. S. Right side plate	2½ lbs.	1.50
Drive wheel	4 lbs.	1.50
L. H. pinion	4 ozs.	.25
R. H. pinion	4 ozs.	.25
Pawl	½ oz.	.05
Bottom knife complete, 10 in.	2¾ lbs.	1.00
Bottom knife complete, 12 in.	3¼ lbs.	1.10
Bottom knife complete, 14 in.	3¾ lbs.	1.20
Bottom knife complete, 16 in.	4¼ lbs.	1.30
Cylinder complete, 10 in.	5 lbs.	3.25
Cylinder complete, 12 in.	5¾ lbs.	3.50
Cylinder complete, 14 in.	6¼ lbs.	3.75
Cylinder complete, 16 in.	7 lbs.	4.00
Handle	2½ lbs.	1.50
Wood rollers, 12 in.	¾ lb.	.45
Wood rollers, 14 in.	⅞ lb.	.50
Wood rollers, 16 in.	1 lb.	.55
Wood rollers, 18 in.	1⅛ lbs.	.60

LAWN MOWER SHARPENERS

BERGHMAN

The abrasive stone in the Berghman is made of alundum, and is the finest grinding element which long experiment and careful trial could produce. The body of the sharpener is stamped from heavy 18 gauge steel and is nickel plated. The wing nut and bolt are of forged steel, and the springs are of the high quality oil tempered wire.

	Wt. each	Each
Berghman	1¼ lbs	$1.25

One in a carton; twelve in a display box.

LAWN ROLLERS

DUNHAM

WATER-WEIGHT

NOS. 5 AND 7

A light roller for soft, wet lawns. A heavy roller for hard, dry lawns. A heavier roller for walks, drives, tennis courts, etc.

12 gauge high carbon steel drum, acetylene welded, guaranteed water tight. Threaded bronze plug on each end of roller for filling with water or sand. Steel handle with hard maple hand grip. Patent face plate scraper. Body painted green, handle red.

Roller Bearings.

No.	Width	Diameter	Wt. empty	Wt. filled with water	Wt. filled with sand	Each
5	24 in.	18 in.	85 lbs.	265 lbs.	490 lbs.	$30.00
7	24 in.	24 in.	110 lbs.	420 lbs.	630 lbs	35.00

Loose.

NOS. 2 AND 4

Plain Bearings.

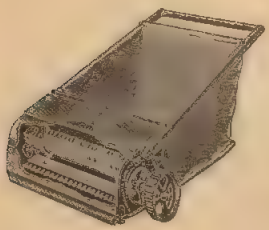
No.	Width	Diameter	Wt. empty	Wt. filled with water	Wt. filled with sand	Each
2	24 in.	14 in.	68 lbs.	175 lbs.	265 lbs.	$20.00
4	24 in.	18 in.	82 lbs.	265 lbs.	400 lbs.	25.00

Loose.

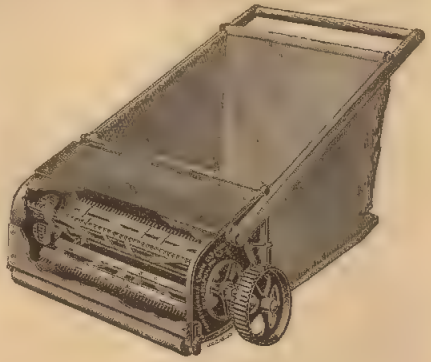
LAWN CLEANERS

PENNSYLVANIA

Removes all cut grass, leaves, etc., leaving the grass standing upright. The action of the three revolving brushes or rakes is beneficial to the turf. The suction created by the rapidly revolving brushes or rakes cleans the lawn on the same principle as a vacuum cleaner operates on a carpet. The brushes are recommended for removing worm casts from putting greens, tennis courts and other close cut lawns where a smooth surface is essential. Adjustable to take up the wear of brushes or rakes until entirely worn out.



NOS. 24-B AND 36-B



NOS. 24-R AND 36-R

With Brushes.

No.	Width	Wt. each	Each
24-B	24 in.	100 lbs.	$45.00
36-B	36 in.	125 lbs.	60.00

With Rakes.

No.	Width	Wt. each	Each
24-R	24 in.	100 lbs.	$45.00
36-R	36 in.	125 lbs.	60.00

One in a case.

SAUSAGE STUFFERS

PERRY'S

Japanned 2 piece cast iron cylinder, riveted together; japanned cast iron hinged lever handle 22¼ in. long, with plunger plate 3⅜ in. diameter, and arm 7⅝ in. long two hinge pins ½x1¾ ins; three legs, with slots for screwing to table; tin stuffer attachment 5½ ins long. Height 7½ ins; cylinder 4 ins diam; 9½ ins long; length over all 28 ins.

	Per Doz
No. 1—Family size	$63 00

Half doz in wood box; wt per doz 96 lbs.

PRESSES

ENTERPRISE

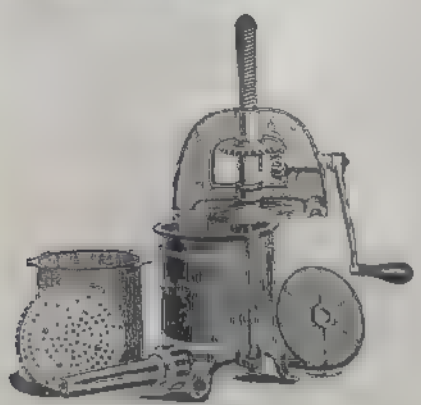
The cylinders of Enterprise lard presses are made of cast iron, bored perfectly true. The tin cylinder inside the cast cylinder has lips to enable the operator to remove the hot cracklings with little or no inconvenience. No hot cylinder to handle when pressing lard. The patent latch prevents breakage of plate. New patented corrugated spout prevents air entering the casing, thus assuring the preservation of sausage.

Rack Movement.

Combined Sausage Stuffer, Lard and Jelly Presses.

	Each
No. 5—Japanned, capacity 2 qts; height to top of arch 14 ins; diam of cylinder 5¼ ins	18 00
	$8 00

Half doz in crate; wt each 18 lbs.



Screw Movement.

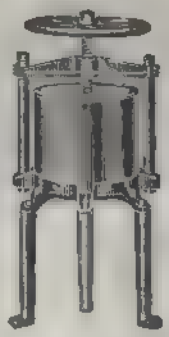
Combined Sausage Stuffer, Lard and Jelly Presses.

	Japanned.			
Nos.	15	25	31	35
Capacity, qts.	2	4	6	8
Height to top of arch, ins.	14	17½	18	20
Diam of cylinder, ins.	5¼	6¾	8⅛	8⅛
Wt each, lbs.	32	46	57	60
Each	20 25	24 00	27 00	28 80
	$9 00	*10 50*	*11 50*	*12 50*

No. 15 three, Nos. 25 to 35 one in crate.

PRESSES

ENTERPRISE



For Fruit, Wine, Jelly and Lard.

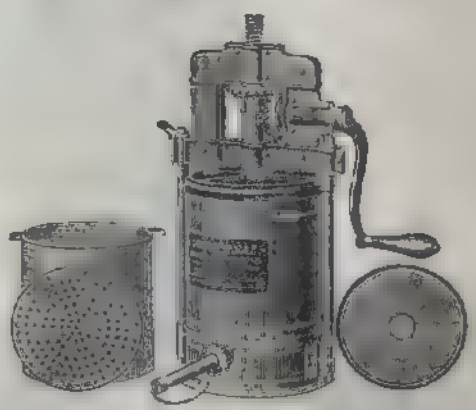
23 gauge high grade tin plate cylinders with heavy bottom and top rims. All parts coming in contact with the fruit acids are covered with pure block tin. Equipped with swing top to admit of cylinder being readily filled with fruits and emptied of pulp. Plunger plate attached to end of feed screw which withdrew from cylinder when screw is raised. Bottom of cylinder fitted with a strainer plate to prevent the pulp from flowing out with the juice.

Black japanned wheel and legs; swing top and base heavily tinned.

	Each
No. 6—Without legs—Capacity 6 qts; inside cylinder 8x7 ins; outside cylinder 8¾x7½ ins; height over all 16 ins; wt each 51 lbs	19 95
	$9 00
No. 12—With legs—Capacity 12 qts, inside cylinder 10x9 ins; outside cylinder, 10½x9½ ins, height over all 30 ins; wt each 87 lbs	27 00
	12 50

One in crate.

UNIVERSAL



Combined Sausage Stuffer, Lard and Jelly Presses.

Japanned, with beveled gear and screw movement, swinging top arch, removable steel side bolts. Bowl is made of a single piece of sheet steel drawn up in dies insuring uniformity of size and permitting a closer fit between the plunger plate and cylinder than in the cast iron machine.

Complete with perforated lipped tin strainer or cylinder, perforated strainer plate and one each large and small cast ribbed plunger plate.

Nos.	44	66	88
Capacity, qts.	4	6	8
Height to top of arch, ins.	18	19	20½
Diam cylinder, ins.	6¼	8	9¼
Wt each, lbs.	40	50	60
Each	24 00	25 50	27 75
	$10 50	*11 50*	*12 50*

One in crate.

B 6

PRESSES

I. X. L. PATTERN

For Fruit, Wine and Lard.

Bowls are made of high grade tin plate with heavy top and bottom rims. Cast iron one piece base; detachable steel legs. Press easily taken apart and cleaned. Course pitch steel screw giving quick action. Black enameled handle.

	Each
No. 28—Height over all 30 ins; height inner cylinder 8 ins; diam inner cylinder 10½ ins	$12 60

One in carton, K. D.; wt each 35 lbs.

JUICY FRUIT

For Fruit, Wine and Lard.

24 gauge high grade tin plate bowls with heavy top and bottom rims. Inside bowl riveted and has a lock seam making it doubly strong. Base and feet cast as one piece. Press can be quickly taken apart and easily cleaned. The steel screw has a course pitch, giving very quick action to handle, no nuts or adjustments to get out of order. Black japanned one-piece handle. All parts coming in contact with fruit juices are tinned with pure block tin.

Nos.	JF3	JF6
Capacity, qts	3	6
Diam inside bowl, ins	5¾	7½
Diam outside bowl, ins	7¼	8½
Depth bowl, ins	6¼	8
Height over all, ins	14	18
Wt each, lbs	14	18
Each	$11 25	13 50

One in carton; wt each 18 lbs.

For Fruit, Wine and Lard.

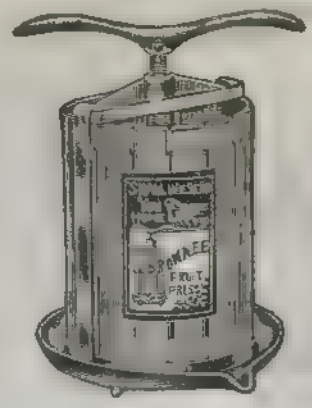
24 gauge high grade tin plate bowls with heavy top and bottom rims. Inside bowl riveted and has lock seam making it doubly strong. Base cast as one piece; detachable steel legs. Press can be quickly taken apart and easily cleaned. The steel screw has a course pitch, giving very quick action to handle no nuts or adjustments to get out of order. Black japanned handle and legs. All parts coming in contact with fruit juices are tinned with pure block tin.

No.	JF12
Capacity, qts	12
Diam inside bowl, ins	10½
Diam outside bowl, ins	12¼
Depth bowl, ins	8
Height over all, ins	28
Each	$18 60

One in carton; wt each 35 lbs.

PRESSES

JUICY FRUIT



BROWNEE, FRUIT

Oak staves; base and all other parts coming in contact with the fruit juices are made of acid-resisting aluminum, which will not rust or discolor the juice. Easy to take apart, easy to clean and the operation of pressing fruit thoroughly can be performed with very little effort and absolutely no waste.

	Each
No. HB8—Capacity 8 qts; height over all 15 ins; base 9½x9½ ins	$12 60

One in carton; wt each 11¼ lbs.

LANDERS FRARY AND CLARK MEAT JUICE

Japanned cast iron base and arch in one-piece with japanned T-handled deep threaded screw rod. Removable cast iron tinned bowl with lip and convex ribbed bottom; removable cast iron tinned pressing plate with handle and concave ribbed lower surface to match bottom of bowl.

	Each
No. 1—Diam bowl 2⅞ ins; height over all 7¼ ins; capacity bowl 1 gill	$3 60

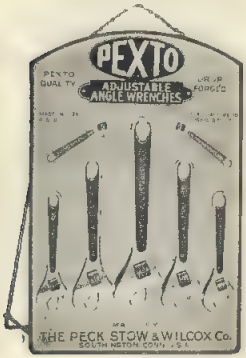
One in carton; wt each 3½ lbs.

The possibilities of larger volume and greater sales are nowhere as pronounced as in the Household Goods Department of a Hardware Store.

Make this your big department. Display your goods properly and many sales will just naturally happen.

ADJUSTABLE WRENCH DISPLAYS

PEXTO—ANGLE HEAD



These wrenches are forged from solid steel and are correctly designed to give the greatest possible strength. For the automobilist, engineer, mechanic and for general use about the home or farm.

Attractive four color display fixture equipped with easel and chain; holding seven wrenches that can be removed, assortment contains 14 wrenches assorted as follows:

Quantity	Length Inches	Opens Inches	Weight Per Dozen, Lbs.
4	4	⅞	2
4	6	¾	4
4	8	1	8
2	10	1⅜	13½

Per Assortment

No. **10**—14 Full Polished Adjustable Angle Wrenches and Display Fixture; Size Fixture 10¾ x 16½ Inches, Weight Complete **20** Lbs. **$16.00**

No. **010**—14 Semi-Finished Adjustable Angle Wrenches and Display Fixture; Size Fixture 10¾ x 16½ Inches; Weight complete 20 Lbs. **$14.00**

Each Assortment in a Wood Box

Prices on Application

AGRICULTURAL WRENCHES

Has forged steel head, bar and shank, machine cut steel adjusting screw, with knurled head; one piece polished hardwood handle. All metal parts are smoothly finished in dull black.

Length, Inches	Jaws Open, Inches	Weight, Per Dozen, Lbs.	Per Dozen
6	⅞	10	**$10.00**
8	1¼	16⅔	**12.00**
10	1¾	14½	**14.00**
12	2⅛	15-5/12	**18.00**
15	2⅜	15-5/12	**24.00**

One-half Dozen in a Package

SCREW WRENCHES

COES

KNIFE HANDLE

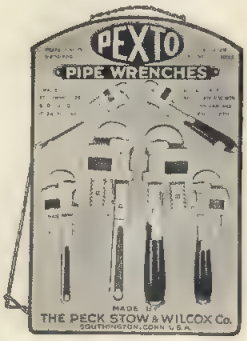
Forged from tool steel; case hardened jaws; shank extends through to end of handle; polished malleable iron ferrules, steel adjusting screw; varnished hardwood grips riveted to handle with heavy iron rivet, the handle is internally supported and retained by cross riveting and by extension of bar through handle. The 12 to 21 inches have ball bearing screws and extended screw support. Both types take following list

Length Inches	Jaws Open, Inches	Weight, Per Dozen, Lbs.	Per Dozen
6	⅞	9	**$15.00**
8	1¼	16⅔	**18.00**
10	1¾	26½	**22.00**
12	2¼	43⅜	**28.00**

6, 8, 10 and 12 Inches, One-half Dozen; 15, 18, and 21 Inches, One-third Dozen in Package

PIPE WRENCH ASSORTMENTS

STILLSON PATTERN



Twelve pipe wrenches and metal display fixture, lithographed in four colors, equipped with wire easel and chain. Cups for holding wrenches. Assortment as follows:

Quantity	Length, Inches	Style Handle	Takes Pipe, Inches	Weight Each Lbs.
2	6	Wood	⅛ to ⅓	¼
2	8	Wood	⅛ to ¾	⅓
2	10	Wood	⅛ to 1	1¼
2	6	Steel	⅛ to ⅓	¼
2	18	Steel	⅛ to ¾	⅓
2	10	Steel	⅛ to 1	1¼

Per Assortment

No. **7**—12 Wrenches and Display Fixture; Size Fixture, 10¾x16½ Inches; Weight complete, 20 Lbs **$18.00**

Each Assortment in a Wood Box

PIPE WRENCHES

STILLSON

Wood Handle

Steel Handle

Drop-forged tool steel; polished shank, frame and hardened jaws; on wood handle type, shank extends through ferrule and handle, and screws in cap at end.

Ebony finish hardwood handles, sizes 6 to 18 inches, steel grip handles, 14 to 24 inches; also plain tapered handles on sizes 18 to 48 inches; single spring; polished steel ferrule and cap.

L'gth. Ins	Pipe Cap., Ins.	Wgt. Ea., Lbs.	Each	Length, Ins.	Pipe Cap., Ins.	Wgt. Ea., Lbs.	Each
6	⅛ to ⅜	¼	**$2.00**	18	¼ to 2	4⅞	**$5.00**
8	⅛ to ¾	½	**2.25**	24	¼ to 2½	8	**7.25**
10	⅛ to 1	1⅛	**2.50**	36	¼ to 3½	15	**13.50**
14	¼ to 1½	2¾	**3.50**	48	1 to 5	25	**20.00**

Unless otherwise specified on orders for sizes 6 to 14 inches, wood handles will be sent.

Auto—Narrow Jaw

Designed for automobile use. Made generally thinner for work in close quarters and will hold from ⅛-inch wire up to their rated capacity.

Length, Inches	Pipe Cap., Inches	Weight Each, Lbs.	Each
6	½	⅜	**$2.00**
8	¾	⅝	**2.25**
10	1	1¼	**2.50**

PARTS FOR ABOVE WRENCHES

Jaw

Frame

Adj. Nut

End Nut

Length, Inches	Jaws	Frames	Adjusting Nuts	Bars for Wood Handle	Bars with Steel Handle
	Each				
6	**$0.75**	**$0.38**	**$0.12**	**$0.95**	**$0.95**
8	**.80**	**.42**	**.15**	**1.00**	**1.00**
10	**.85**	**.50**	**.20**	**1.10**	**1.10**
14	**1.15**	**.60**	**.30**	**1.50**	**1.50**
18	**1.75**	**.75**	**.35**	.....	**2.25**
24	**2.25**	**.95**	**.55**	.....	**3.50**
36	**4.35**	**1.70**	**1.10**	.....	**7.00**
48	**7.50**	**2.20**	**1.50**	.....	**10.50**

Length, Inches	Wood Handle	Frame Pin	Springs	Spring Rivets	End Nuts
	Each				
6	**$0.16**	**$0.03**	**$0.10**	**$0.01**	**$0.15**
8	**.16**	**.03**	**.10**	**.01**	**.15**
10	**.18**	**.04**	**.10**	**.02**	**.20**
14	**.25**	**.04**	**.10**	**.02**	**.20**
18	.....	**.04**	**.10**	**.02**	.....
24	.....	**.04**	**.11**	**.02**	.....
36	.....	**.05**	**.13**	**.02**	.....
48	.....	**.05**	**.13**	**.02**	.....

TINNERS' SNIPS

NEVERBREAK

Cast from semi-steel gives strength, holds cutting edge. Black japanned handles, polished blades.

	Per Dozen
No. NB8—Length over all, 12 Inches; Length Blade Cut 3 Inches, Weight per Dozen, 15 Lbs. . .	**$8.00**

COMPTON

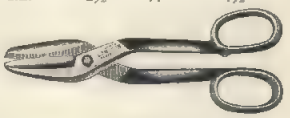
Drop forged steel, bar tool steel laid blades, polished, blue finish handles.

Nos.	Length Cut, Inches	Length Over All, Inches	Weight Each, Lbs.	Each
6½	4½	15½	3¾	**$3.00**
7	4	14	3	**2.50**
8	3½	13	2¾	**2.00**
9	3	12	2	**1.75**
10	2½	11	1½	**1.60**
11	2¼	9	¾	**1.20**
12	2	8	½	**1.00**

CIRCULAR BLADE

Drop forged steel, bar tool steel laid blades, polished, blue finish handles.

Nos.	Length Cut, Inches	Length Over All, Inches	Weight Each, Lbs.	Each
6½ C.B.	4½	15½	3¾	**$4.00**
7 C.B.	4	14	3	**3.50**
8 C.B.	3½	13	2¾	**3.00**
9 C.B.	3	12	2	**2.75**
10 C.B.	2½	11	1½	**2.50**



COMBINATION

Drop forged steel, bar tool steel laid blades, polished, blue finish handles. Can be used for cutting curves and irregular shapes as well as for straight work, thus combining both circular and straight snip in one tool.

Nos.	Length Cut, Inches	Length Over All, Inches	Weight Each, Lbs.	Each
17	4	14	2¾	**$3.00**
18	3½	13	2½	**2.50**
19	3	12	1¾	**2.25**
110	2½	11	1½	**2.00**

All Above, One-half Dozen in a Box

PHILADELPHIA KEY CUTTING MACHINE

Duplicates All Pin Tumbler Keys

Automatic Hand Feed Keys Adjusted From Top Shoulder

Duplicates Accurately Keys for All Makes of Pin Tumbler Locks. Keys are Adjusted Automatically from Top Shoulder. Jaws Made in One Casting Insure Perfect Alignment for Cutting and Spring Tension Feed Gives Even Pressure While Cutting. A Simple Screw Adjustment Takes up Wear in Cutter. Easy to Operate.

Place Master Key and Blank in the Two Jaws with Top Shoulders Against End and Tighten. Place Guide on Front Shoulder of Master Key and Bring Key Blank Against Cutter. By Turning Drive Wheel and Feed Wheel Perfect Duplication will be Obtained.

Size Over All 8 x 12 x 5 Inches

Each

No. **31523**..... **$18.00**

Extra Cabinets

No. EC—For No 31523 Key Duplicating Machine **$3.50**

One in a Box; Weight Each About 12 Lbs

NEW ASSORTMENT OF TRUNK KEYS

An Assortment of One-Quarter Gross Trunk Keys, Assorted Quarter Dozen Each All Keys Illustrated Below.

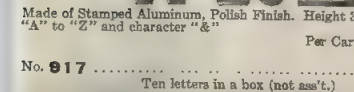
Retail Readily at 25 cts. Each

No. T3—Will Pass Nos. AA and A51 Change.
No. ST1—Will pass No. BB Change.
No. ST2—Will Pass Nos. CC, T1 and A53 Change.
No. 5216—Will Pass Nos. 178, 412, 714, 7ST and T80 Change.

Per Assortment

No. **300**—Assortment of ¼ Gross Keys **$3.00**
One Assortment in a Box.

ALUMINUM LETTERS



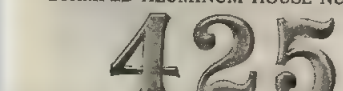
Made of Stamped Aluminum, Polish Finish. Height 3 Inches. Letters "A" to "Z" and character "&"

Per Carton of 10 Letters (Not Ass't.)

No. **917** . . . . . **$ .25**

Ten letters in a box (not ass't.)

STAMPED ALUMINUM HOUSE NUMBERS



Stamped Aluminum, Polish Finish. Characters 0, 1, 2, 3, 4, 5, 6, 7 8 and 9.

3 Inches High

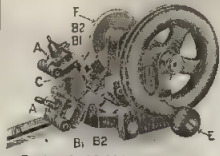
Per 100

No. **85A** . . . . . **$ 1.50**

Ten of a character in a box, with brads.

RUSSWIN KEY CUTTING MACHINE

The Best All-around High-grade Key Cutting Machine We Have Come Across. A Big Money Maker.



Equipped with Milling Cutter for Cutting Pin Tumbler Keys.

Equipped with Cutting Saw for Cutting All Keys Except Pin Tumbler.

The Russwin Key Cutting Machine Will Cut Duplicates of all Makes of Pin Tumbler Keys, all Flat Keys, Double Bit Keys and Solid and Hollow Barrel or Stem Keys, by changing the Cutter and Gauge. No Complicated Changes or Adjustments. Equipped with Two Types of Cutters, Milling Cutter (F) for Cutting Pin Tumbler Keys and Cutting Saw (G) for Cutting all other Kinds of Keys. (A,A) Hinged Vises Hold Original Key and Blank Rigidly in Position. (B1) Top Shoulder Stop. (B2) Setting Stop. (C) Two Gauges, One for Cylinder and One for Other Keys. (D) Adjusting Lever. (E) Hand or Power Operated Drive Wheel.

Each

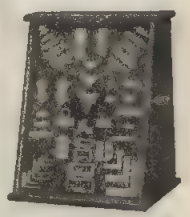
No. **50** **$25.00**

One in a Box; Weight About 12 lbs

If You Sell Hardware—GET THIS!

MISCELLANEOUS HARDWARE ASSORTMENT

Corbin



An Assortment of Corbin Hardware with a Stock Cabinet Made of Selected Hardwood, Richly Finished, and Fitted with Brass Trimmings. Shelves are Arranged Inside of Cabinet to Accommodate All of the Hardware Furnished with Assortment with Room for More.

Size of Cabinet, 19 Inches High, 16 Inches Wide, 11¼ Inches Deep. Weight of Case and Contents, 58 Lbs.

Assortment Includes 47 different Articles —in All 43-11/12 Dozen, as Follows, One of Each Article Being Mounted on the Face of the Cabinet—

3 Doz. No. 1764 Shelf Rests	.$.30 Doz.	$.90
5 Only No. 01820 Friction Catches	.25 Ea.	1.50
11 Only No. 1829½ Suit Case Catches	.10 Ea.	1.10
12 Only No. 1901 Card Holders	.10 Ea	1 20
12 Only No 1903 Card Holders	.15 Ea.	1 80
24 Only No. 1909½ Box Pulls	.06 Ea.	1 44
12 Only No 1910½ Box Pulls	.05 Ea	60
12 Only No 1932 Card Holders	.08 Ea	96
12 Only No 1935 Card Holders	.10 Ea.	1 20
8 Only No 6,943½ Box Pulls	.16 Ea	90
6¼ Pr No 02106½ Box Hinges	.35 Pr	2.27½
6½ Pr No 2109 Box Hinges	.18 Ea.	1 17
6½ Pr No 02111½ Box Hinges	.15 Pr	.97½
6½ Pr No 02112½ Box Hinges	.20 Pr	1.30
6½ Pr No 02113½ Box Hinges	.20 Pr	1.30
6½ Pr No 02114½ Box Hinges	.18 Pr	1 17
6½ Pr No 02115½ Box Hinges	.20 Pr.	1.30
6½ Pr No 02116½ Box Hinges	.25 Pr.	1.62½
6½ Pr No 2120 Box Hinges	.25 Pr.	1.62½
6 Only No 2606 Escutcheons	.05 Ea.	.30
6 Only No 2607 Escutcheons	.05 Ea	.30
6 Only No. 2618 Escutcheons	.10 Ea	.60
6 Only No 03000½ Hinge Hasps	.10 Ea	.60
6 Only No 03002½ Hinge Hasps	.12 Ea.	.72
12 Only No 03004½ Hinge Hasps	.15 Ea	1.80
6 Only No 3013 Hinge Hasps	.25 Ea	1 50
6 Only No 03015½ Hinge Hasps	.30 Ea.	1.80
6 Only No 03017½ Hinge Hasps	.30 Ea.	1.80
3 Only No 03306½ Hinge Hasps	.75 Ea.	2.25
6 Only No 3330½ Padlock Eyes	.10 Ea.	.60
6 Only No 3331½ Padlock Eyes	.15 Ea.	.90
12 Only No 3502½ Mending Straps	.04 Ea.	.48
12 Only No 3503½ Mending Straps	.05 Ea.	.60
12 Only No 3504½ Mending Straps	.06 Ea	.72
12 Only No 3600 Brackets	.08 Ea.	.96
12 Only No 3602 Brackets	.05 Ea.	.60
12 Only No 3603½ Brackets	.06 Ea.	.72
12 Only No 3604½ Brackets	.08 Ea	96
12 Only No 1805½ Brackets	.10 Ea	1.20
12 Only No 3614½ Corner Plates	.08 Ea	96
12 Only No 3615½ Corner Plates	.10 Ea.	1.20
12 Only No 3620½ Corner Plates	.10 Ea.	1.20
12 Only No 3631½ Corner Plates	.15 Ea.	1.80
12 Only No 03703½ Box Corners	.10 Ea.	1.20
12 Only No 3713½ Box Corners	.20 Ea.	2.40
12 Only No 03716½ Box Corners	.10 Ea.	1.20
	.15 Ea.	1.80

Per Assortment

No. **3400** **$23.52**

KEY BLANKS
(Cuts Half Size)

Pin Tumbler

Liberty Slim Buffed Finish. 6 tumblers. Three dozen in a box.
Per Gross
No. 852B . . . $9.20

For nearly all Y & T Locks and Latchets using Paracentric Keys. Fifty in a box.
Per Hundred
8P . . . $4.33

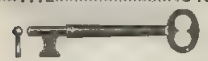
For Cabinet Locks with small nose.
Per Hundred
No. 10P. . . . $4.33

Malleable Iron Door Blanks
Nickel Plated

Per Gross
No. 7642 . . . $3.10

Per Gross
No. 7724 . . . $3.17

Per Gross
No. 7772 . . . $3.10

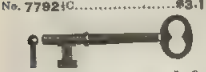


Per Gross
No. 8138 . . . $3.10

Per Gross
No. 7790 . . . $3.10

Per Gross
No. 7792 . . . $3.10

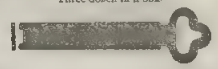
Per Gross
No. 7792½C . . . $3.10



Per Gross
No. 7792½A . . . $3.10

Per Gross
No. 7792½ . . . $3.10

Per Gross
No. 8154 . . . $3.48
Three dozen in a box



Per Gross
No. 8428 . . . $1.92

Per Gross
No. 8476 . . . $1.92

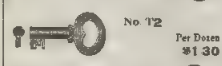
Per Gross
No. 8488 . . . $1.92
Three dozen in a box.

Corbin Trunk Keys
Malleable, Bright Finish

No. 5216
Per Dozen
$ .46

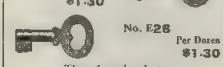
STEEL, NICKEL PLATED

No. G24
Per Dozen
$ .74



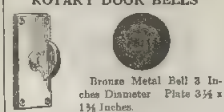
No. T2
Per Dozen
$1.30

No. ST2
Per Dozen
$1.30



No. E28
Per Dozen
$1.30
Three dozen in a box

ROTARY DOOR BELLS

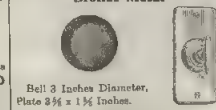


Bronze Metal Bell 3 Inches Diameter Plate 3½ x 1¾ Inches.

Nos.	Finish Bell and Plate	Per Dozen
R-7213-11	Natural	$10.30
R-7213-7½	Old Copper	10.30
R-7213-9	Dull Brass	10.30

One Set in a Box, Complete.

Bronze Metal



Bell 3 Inches Diameter, Plate 3⅝ x 1⅝ Inches.

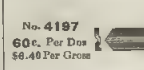
Nos.	Finish Bell and Plate	Per Dozen
R-7213 11	Natural	$10.30
R-7213-7½	Old Copper	10.30
R-7213-9	Dull Brass	10.30

CYLINDER KEY BLANKS

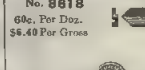
German Silver, For Pin Tumbler Locks, *Cuts Half Size*

No. 8601B
60c. Per Dos.
$6.40 Per Gross

No. 8639
60c. Per Dos.
$6.40 Per Gross



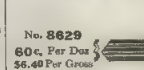
No. 4197
60c. Per Doz
$6.40 Per Gross



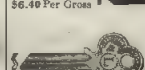
No. 8618
60c. Per Doz.
$6.40 Per Gross

No. 4199
60c. Per Dos.
$6.40 Per Gross

No. 8624L
60c. Per Dos.
$6.40 Per Gross

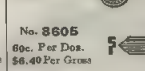


No. 8629
60c. Per Doz
$6.40 Per Gross



No. 8624
60c. Per Dos.
$6.40 Per Gross

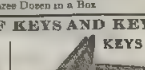
No. 8635
60c. Per Dos.
$6.40 Per Gross



No. 8621A
60c. Per Dos
$6.40 Per Gross

No. 8637
60c. Per Dos.
$6.40
Per Gross

No. 8605
60c. Per Dos.
$6.40 Per Gross



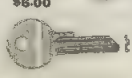
German Silver. For Pin Tumbler Locks
Per Gross
No. K816 . . . $6.00

All Packed Three Dozen in a Box

AUTO SWITCH KEY BLANKS
(Half Actual Size)

For Eagle Switch and Transmission Locks.

No. 1100
No. 1100
Per Gross
$6.00



No. 1101

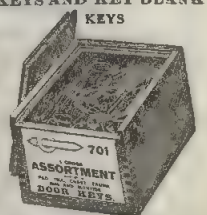
For Y & T Transmission Locks.
No. 1101
Per Gross
$6.00

GOOD ASSORTMENTS OF KEYS AND KEY BLANKS

Contents—144 Blanks in All. An Assortment of One Gross Pin Tumbler Key Blanks, that will Fit the Leading Numbers of Cylinder, Night Latches and Locks.

Dozen	No.	Dozen	No.
2	8601B	2	8639
1	4197	1	8618
1	4199	½	8624L
1	8629	½	8624
1	8625	½	8621A
1	8637	½	8605

One Assortment in a Box. Weight Per Assortment About 8 Lbs.
Per Assortment
No. 901—Assortment as Described $6.00



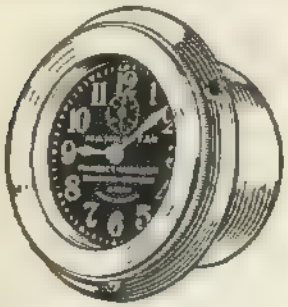
One Gross Assorted Till, Chest, Trunk, Pod, Rim, and Mortise Tinned Malleable Iron Keys, in a Wooden Box 5½x24¼x3¾ Inches Deep.
Per Assortment
No. 701—Assortment of One Gross . . . $4.00
One Assortment in a Wooden Box, Weight per Assortment 8¾ Lbs.

KEYS AND BLANKS

One Gross, Assorted Till, Trunk, Pod and Door Tinned Malleable Iron Keys and Blanks, in Wooden Cabinet 15x10 x1⅝ Inches, Divided into 24 Compartments. Cabinet has Hinged Top and Catch on Front. Fine Display
Per Assortment
No. 801—Assortment of One Gross . . . $4.50
One Cabinet in a Cardboard Box; Weight per Assortment 6 Lbs.

PHINNEY-WALKER CLOCKS, DISPLAY STAND AND HOLE CUTTER

PHINNEY-WALKER CLOCKS

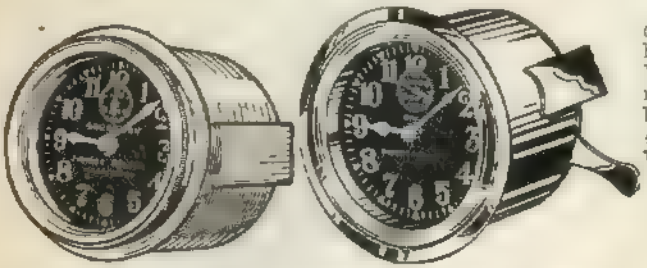


Manhattan Model. Rim wind and rim set. The new style rim giving an excellent grip that makes winding and setting particularly easy. Twelve-day movement; silver or plain black dial, 2¾ inches in diameter. Made in two finishes, black with nickel trimmings or all nickel.

Manhattan Model Clock.....each $15 00
Luminous Dial .....extra 2 00

Broadway Model

Erie Model



Broadway Model. Clock is held firmly in place by means of a spec[illegible] strap at the rear entirely out of sight. Finished in full nickel. Has a 2½-inch dial, finished black. Rim wind, rim set, twelve-day movement. Furnished with two clamps.

Broadway Model Clock.....each $12 50
Luminous Dial .....extra 2 00

Erie Model. The new dependable Phinney-Walker Clock with a lever wind; twelve-day; all nickel. Furnished with two clamps for either wood or metal instrument boards. Attached without visible screws. Size of hole required, 2⅜ inches; space required for installation, 3⅛ inches.

Erie Model Clock.....each $8 50
Luminous Dial .....extra 2 00

Boulevard Overhead Model. All nickel finish. Eight day movement, rim wind, rim set. White dial with black numerals. Has a regulator on back of clock. Attached with screws above the windshield or any other convenient location. Diameter, 2½ inches. Weight, 8 ounces.

Boulevard Overhead Model.
Each $17 50

Boulevard Dash Model. Same as Overhead Model, except installation feature, in that you drill two ⅝-inch holes corresponding to posts on back. Insert clock, screw post and tighten nuts behind the dash.

Boulevard Dash Model.....each $17 50

PHINNEY-WALKER CLOCKS

Tacoma Model. Stem wind and stem set. It is nickel plated and has a white dial with black numerals, or can be furnished with luminous dial. Has a regulator on back of clock. It is easily and quickly installed—simply drill ⅞-inch hole and insert post on back of clock. Length of stem, 1⅜ inches. Space required on instrument board, 1⅞ inches.

Tacoma Model Clock.....each $2 50
Luminous Dial .....extra 1 00

Willys-Knight Model. Same in appearance as the Tacoma model, except that the case is round instead of hexagon. All nickel finish. Stem wind and stem set. White dial with black numerals. To install remove W-K monogram located at bottom of panel, insert clock, replace bar and tighten screws. Eight-day movement. Weight, 4 ounces.

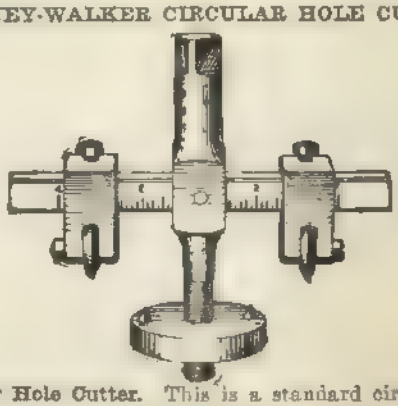
Willys-Knight Model .....each $17 50

PHINNEY-WALKER DISPLAY STAND

Phinney-Walker 2-Clock Display Stand. A five-color metal display stand mounted with one Broadway and one Erie clock

Phinney-Walker 2-Clock Display Stand..complete $21 00

PHINNEY-WALKER CIRCULAR HOLE CUTTER



Circular Hole Cutter. This is a standard circular hole cutter. Cuts a clean, perfect circular hole in metal instrument boards for any model Phinney-Walker Clock. The low cost is quickly made up in the first few clocks installed.

Circular Hole Cutter.....complete $5 00

AUTOMOBILE CLOCKS

PHINNEY WALKER

MANHATTAN

A handsome twelve-day rim wind and rim set sturdy auto clock. Finished in all black with nickel bezel. Size of hole required, 2⅛ inches. Occupies 3⅝ inches space on instrument board.

ERIE

A moderate priced, 12-day, ratchet lever wind and knob set. Excellent time keeper. Sets flush with the instrument board. Finish, all nickel only. Black dial with white numerals. Size of hole required, 2⅝ inches. Space on instrument board, 3⅛ inches.

TACOMA

A stem wind and stem set timepiece. Easily and quickly installed by drilling ⅞-inch hole in instrument board and fastening by bolt in back. Finished in all nickel; White dial with black numerals.

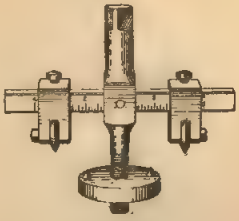
BROADWAY

An excellent timepiece and extremely good looking. Has the appearance of original equipment when installed. Finish all nickel. Black face, white numerals. Size of hole required, 2⅝ inches. Space required on instrument board, 3⅝ inches.

DETROIT

The same clock as the Manhattan, only slightly smaller. Absolutely accurate and reliable and will stand vibration on the automobile. Nickel finish. Black dial, white numerals.

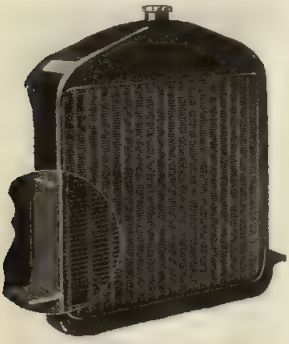
HOLE CUTTERS



An adjustable hole cutter for speedy, accurate installation of clocks. Cuts a clean, smooth hole in less than 10 minutes.

	Dial	Each
Manhattan	Black and white	$15.00
Manhattan	Luminous	17.00
Broadway	Black and white	12.50
Broadway	Luminous	14.50
Erie	Black and white	8.50
Erie	Luminous	10.50
Detroit	Black and white	11.50
Detroit	Luminous	13.50
Tacoma	Black and white	2.50
Tacoma	Luminous	3.50
Hole Cutters		4.00

One in a carton.



McCord Radiators for Fords

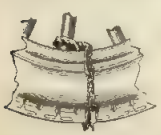
McCord Radiator & Mfg. Co.
Detroit, Mich

MADE in two types, the Type T which is a tubular radiator and the Type S which is of combined tubular and cellular construction both have the feature of a triple riveted side bracket, shown in the illustration, made of spring steel. These are said to protect the core by absorbing road shock and vibration thus augmenting the life of the radiator. They are made to fit the 1917-23 as well as the 1924-25 models of Fords

Drednaut Balloon Tire Jack

Auto Specialties Mfg Co.
St. Joseph, Mich.

THE Drednaut No. 24 has been designed for use on any car including those equipped with balloon tires. This Jack weighs approximately 13 lb and has a capacity of 2,000 lb. Has an adjustable side step which allows a minimum height of 4 in. and adjustable up to a stand height of 10 in. with a 7 in. lift. Is equipped with ball bearings and is operated by a 48 in. auger type folding handle, which affords maximum ease in placement and operation. This Jack lists for $5.75



St. Pierre Super Grip Emergency Chain

St. Pierre Chain Corp.
Worcester, Mass.

ESPECIALLY designed to be used in an emergency where the car is stuck or is liable to become stuck in bad going these chains may be attached directly to the wheel by placing the raised tread member around the tire and fastening it directly to the wheel or spoke. A ⅞ in. drilled hole is required for use with disk wheels. List prices per pair are from $2 for the 2½ in. size to $3 for the 5 in. size.

Duck Foot Universal Puller

Manufacturers Machine Products Co., Mfr
Tripp Secord & Co., Dis
642 Beaubien St
Detroit, Mich

CONSISTING of two parts, a three-fingered puller unit and a set of plates or nuts to fit different sizes of wheels, this puller is claimed to offer the following advantages: 1 It is unbreakable on account of having no bell shaped housing. 2. Reversibility of the pulling plates gives them twice the life and enables them to be trim in case of stripping. 3. The puller can be used on any wheel for which the plate is furnished thus reducing the cost of puller equipment. The wheel pulling plate is not shown in the illustration as it is here shown being applied to pulling a gear. The puller set consisting of a chrome nickel steel puller unit and six steel wheel puller nuts suitable for popular makes of cars sells for $17.00 f.o.b. Detroit.

Elgin Tire Valve Tool

Pacific Rim Tool Co.
16606 Waterloo Rd., Cleveland, Ohio

FIVE distinct tire valve servicing operations are possible with this tool. It may be used to remove valve cores, rethreading the inside of the valve stem, remove the valve core when the tangs are broken, rethread the outside of the valve stem, and remove the wire and spring after the core nut has been taken out. The tool is such a size that it may be carried in the vest pocket. List price, $1.25.

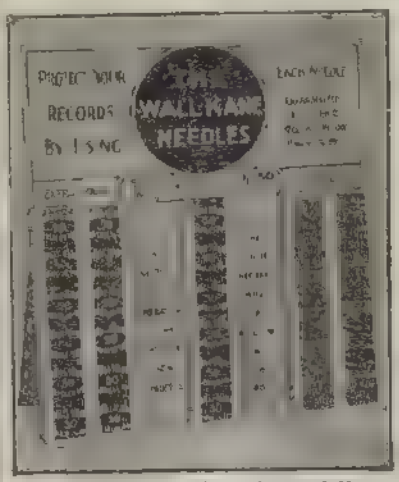
Broadway Model Clock

Phinney-Walker Co.
250 W. 57th St., New York, N. Y.

EASE of winding and setting are the outstanding features of this clock which may be mounted to either a wood or steel dash by means of a suitable U clamping device—there being no screws visible with this mounting. The rim of the clock is used to wind and set. Price, $11.50.

Phonograph Needles and Record Repeater

Phonograph Needles



Wall-Kane Needles. A specially tempered steel needle, coated with a chemical solution gold finish. Each needle guaranteed to play ten records. Last one will be played as clear and distinct as the first. Packed 50 needles in a package. Over 2,000,000 pleased users. Big profit handling Wall-Kane needles.

A metal display stand like illustration contains 60 packages of needles as follows: 24 extra loud, 24 loud and 12 medium tone. Sold only this way.

No. 12A41. Costs you..... 3.50
Retails for..... 9.00

MADE IN ONE TONE ONLY SPECIAL EXTRA LOUD ESPECIALLY FOR JAZZ AND DANCE MUSIC

Jazz Phonograph Needles. Retails for 10 cents a package. A special extra loud needle made of the highest grade American Carbon Steel. The only one of its kind in the world. These needles are packed 100 needles in an envelope and 50 envelopes in an attractive display box as illustrated. No less sold.

No. 12A44.

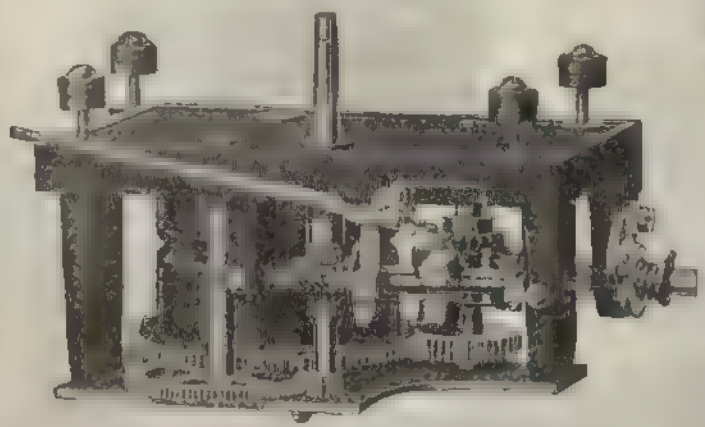
Per carton of 50 packages 2.50

Record Repeater

The Gold Seal record repeater gives new zest, pleasure and comfort to you when playing your phonograph for dancing, playing or parties. The Gold Seal Repeater does it for you automatically. Changes instantly. Does not injure record, will last for years, nothing to get out of order. No adjustments. Retails for 1.00

No. 12A50. Each.. .69

Heineman Motor No. 77



Heineman Motor. Two springs of carefully selected stock even tempered completely enclosed and operating in lubricant. One full winding plays five ten-inch records through. Silent gears of special form cut by the hobbing method. Worm gear of most approved construction and highly finished steel worm of special design. Speed regulator operated from tabulator on motor board. Adjustment convenient and accurate. Frame is of grey iron casting. Equipped with crank and 12 inch turntable. A motor good enough for the best cabinet built. Each in [illegible] box

No. 12A77. Each complete..... 10.00

Blood Record Tone Arm

Improved Model. Blood Regular Tone Arms with all the late improvements, insulating of the movable joint or throw back, makes it the best on the market. A piece of felt is inserted in this joint in such a way that it prevents all rattling. This arm measures 8½ in. long and can be installed into any machine. All our large machines are equipped with this new model tone arm. Each in a box

No. 12A37. Each..... 6.00

Musical Photograph Albums

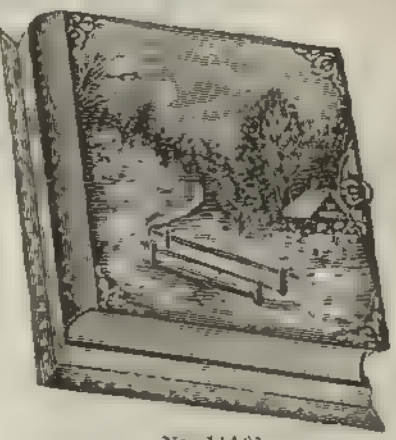
No. 14A20

Photograph Album, full celluloid picture top, design of figure with flag, sides covered with floral paper, ten gilt edge leaves, music attachment which plays two airs. Size 9¼x11½x3¼ inches.

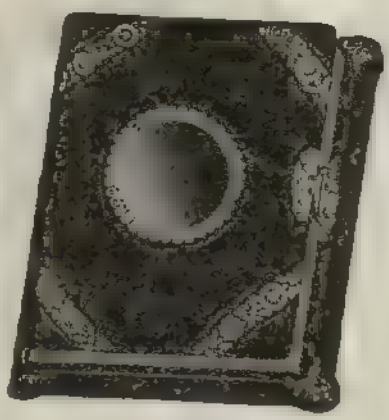
No. 14A20. Each **4.50**

Musical Album, celluloid top, landscape scene in colors, base covered with fancy paper, gilt extension clasp, ten leaves, music attachment which plays two airs. Size 9¼x11½x3¼ inches.

No. 14A21. Each **4.60**



No 14A21



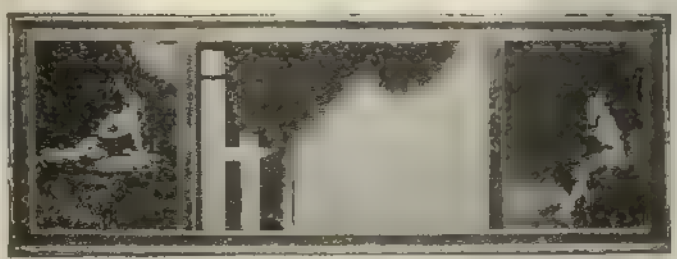
Album, is bound in velour, heart shape mirror on top in gilt metal frame, eight decorative ornaments, extension clasp, ten gilt edge leaves, music attachment which plays two airs. Size 9¼x11½x3¼ in.

No. 14A22. Each **4.85**

Stand Album, with drop front, celluloid picture in colors, bound with velour, mirror in back, two metal ornaments, gilt extension clasp, ten tinted gilt edge leaves, receptacle for holding extra photos; height 12¾ inches.

No. 14A24. Each **3.50**

Colonial Style Wall Mirror



No. 14A26. Colonial Mirror. Fancy beaded wooden frame, Roman gold finish divided in three sections, heavy mirror in center 11¾x8 inches. Each end section contains a beautiful picture of an Indian maid in colors; size 8x5¾. Size over all is 26x9½. A very handsome and serviceable article that can be used in many places to excellent advantage. Each in corrugated box.

Per dozen.... **15.00** | Each..... **1.35**

PERSONAL SCALES

HEALTH-O-METER

A convenient and useful scale in the bathroom; the cork mat inlaid in platform acts as an insulator for bare feet

The finish is pure white baked enamel, very durable.

Figures prominently shown on large dial which is protected by glass in a nickel plated sash

The scale has hardened steel bearings. Platform 7x11 inches, height 8 inches; shipping weight 29 pounds.

No. 100—Capacity 250 lbs. by 1 lb. .....Each **$36.00**

One in a case

*SCHOOL SCALES

Constructed so that it can be operated from front or back, both the beam and measuring rod.

The measuring rod 39 to 78 inches by ¼ inches in double figures each inch, fitted with flat tipped head piece.

Adapted to weigh large numbers of pupils in a short time with least work. Can easily be moved from room to room on strong casters. Finished in olive green. Platform 10½ x14 inches Floor space 11x22 inches. Height over all 50 inches. Shipping weight 94 pounds.

***No. 225**—Capacity 300 lbs. .....Each **$96.00**

One in a case.

BATHROOM

This scale is suitable for use in private homes, especially in bathrooms.

It is constructed of iron and brass throughout, with a tall pillar, which places the beam on a level with the eyes.

It is finished in white enamel, the beams and poises are brass, nickel plated.

Platform 10x13¾ inches.

No. 832 is equipped with a measuring rod.

Weight boxed 100 lbs.

No. 830—Capacity 300 lbs. by ¼ lbs... ....Each **$36.00**
No. 832—Capacity 300 lbs. by ¼ lbs... ....Each **48.00**

One in a case

*Not carried in stock; will ship from factory.

PORTABLE PLATFORM SCALES

FAIRBANKS

This type of portable platform is one of the most efficient for general use.

It is equipped with heavy cast iron wheels, and arrow tip single beam having a sliding poise with set screw; beam and poise and set screw are all of brass.

Durable and attractively finished in blue with bronze stripe and varnished.

No.	Capacity, lbs.	Platform, in.	Weight, lbs.	Each
1124	1000x½	18x27	178	**$43.00**
1126	500x½	16x25	170	**33.00**

One in a case.

BUFFALO

With exposed wheels supported on steel axles that run clear through under scale frame; main frame made of best gray iron, finished in black japan; wood parts of choice select stock, equipped with self aligning bearings, V shaped and retain their positions on their pivots, oscillation allowing full length contact between the two; single solid brass beam, sliding poise, highly polished; with sealed U. S. weights.

No.	**1202**	**1206**	***1210**	***1212**	***1214**
Capacity, lbs.	500	1000	1500	2000	2500
Beam graduated, lbs.	50x¼	100x¼	100x½	100x½	100x½
Platform, in.	16x25	17x26	21x30	24x33	24x33
Weight, lbs.	160	200	345	480	490
Each	$33.00	43.00	60.00	80.00	90.00

One in a case.

*Not carried in stock, will ship from factory.

FAMILY SCALES

COLUMBIA

Slanting Dial

Black enameled steel case with 5½ inch square steel platform and 6 inch white enameled slanting dial, graduated by ounces up to 24 pounds.

Capacity 24 pounds

No. 6021 No. 16021

No. 6021—Weight 4 lbs. . . . . Each $4.05
No. 16021 With scoop, 4½ lbs. . . . . Each 4.80

One in a carton.

COLUMBIA

Vertical Dial

Black enameled steel case with 7 inch square steel platform and 8 inch white enameled dial graduated by 2 ounces.

Capacity 60 pounds.

No. 1621—Weight 10 lbs. . . . . Each $11 25
No. 11621 With tin scoop, weight 10½ lbs. . . . . Each 15.00

One in a carton.

HOUSEHOLD

Vertical Dial

Black enameled steel case with 5½ inch square steel platform and 7 inch white vertical dial graduated by ½ ounces.

Glass sash protects dial.

Capacity 4 pounds.

No. 2401—Weight 5 lbs. . . . . Each $5 55

One in a carton.

AMERICAN

Black enameled steel case with 6½ inch square steel platform and 6½ inch white enameled slanting dial graduated by ounces.

Capacity 25 pounds

No. 5000—Weight 4½ lbs. . . . . Each $7 50
No. 5075—With scoop. . . . . Each 8 25

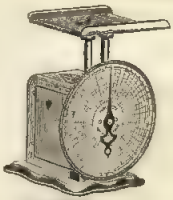
One in a carton

NURSERY

White enameled steel case; double posts, enameled dial; imported willow basket 20x12½ inches Capacity 25 pounds by ounces

No. 50 . . Each $18.00

SCALES



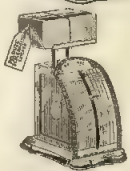
PARCEL POST

Indicate instantly in cents the cost of postage on parcels to any point in the United States, according to zones.

Attractive in design and finish; strong in construction and durable in service. Large dial in two colors. Capacity 50 pounds.

No. 5—Weight 6 lbs. . . . . Each $14.25

One in a carton.



NATIONAL POSTAL SCALES

Indicate the exact cost of postage in cents on letters, books, newspapers and merchandise, also on parcel post packages by zones.

Grey enameled finish. Capacity 4 pounds.

National—Weight 1 lb. Each $12.00

One in a carton.

CANDY SCALES

Shows cost in cents of candy from 20 cents to $1.00 per pound, also gives accurate weight by half ounces up to 2 pounds, adjustable beam turns to any angle; nickel plated scoop and mountings.

No. 25 — Weight 5¼ lbs Each $27.00

One in a box.

EVEN BALANCE SCALES

Side Beam

Two iron plates, bright vermillion finish, complete with weights and side beam.

No.	591	595½	603
Capacity, lbs.	2	6	10
Weight, lbs.	20	30	40
Each	$11 00	12.50	15.00

One in a box

With Scoop

Trip scale with side beam and tin scoop; frame of scale finished bright vermillion.

Complete with weights.

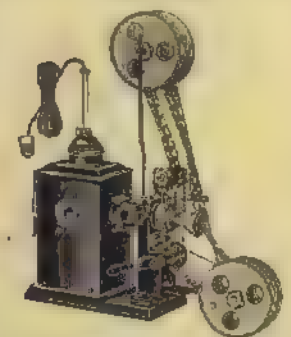
No.	579	582	583	584
Capacity, lbs.	2	6	10	18
Weight, lbs	17	30	40	65
Each	$12.00	15.00	18.00	22.00

GOODS AND PRICES THAT PULL THE BUSINESS

GRIZZLY BEAR
Natural fur; good growl voice

T2324 — Brown, natural fur woolly bear; glass eyes, leatherette ears, leatherette muzzle; on wheels; length 11 ins., 7½ ins. high.
Each 1.15
Regular Price See Page 15

PICTURE MACHINE
Large enough for school or church entertainments



T3915—Black enameled Russian steel housing, hinged rear door, polished brass focusing lens tube, thumb screw adjustment adjustable film holder with automatic rewind, coil spring belt and pulleys, automatic film tracker, which prevents film from tearing, flicker shutter, side crank complete with lamp socket, 6 ft. cord plug and tube lamp attachment, 3 films and 1 dozen lantern slides, size base 5½x10 ins., 18 ins. high, each in box
Each 9.75
Regular Price See Page 25

DRESSED DOLL

T2013 — Unbreakable shoulder head, arms and limbs, fine mohair curly wig sleeping eyes; cloth stuffed body; shoulder and hip jointed; figured lawn dresses, lace trim bonnet to match; undergarments; removable slippers and socks, natural baby voice, height 16½ ins.; each in box.
Each 3.25

FRICTION AUTO

T3527 Sedan, finished in bright red enamel; length 9¾ ins., width 3¾ ins., 5 ins. high, each in carton
Dozen 7.50

CAN YOU HANG IT

A NEW TOY—JUST OUT
The big novelty of the 1925 Toy Season; include these in your order

T2514—Consists of red enameled block with tube; two wire protecting frames and cork figure head with wire hook; the object is to hang the figure over the wire; looks easy until you try it; packed 1 in printed carton, 1 gross cartons in shipping container. Gross..9.50 Dozen .85

DRUMMER BOY
A 50 cent number as a 25 cent special

T3106—Red, white and blue enameled soldier boy, with drum; jointed arms; when wound up plays tune, height 7½ ins.; each in carton.
Dozen 2.25
Regular Price See Page 28

REAL CHRISTMAS MOSS
Used to giving grass effect around trees, lining baskets, etc

T6215 Green moss for Christmas trees; highly compressed; put up in bundles 3x3x6 ins., used for Xmas decorations, lining baskets, etc.; 1 dozen bundles in cage.
Gross 8.00
Regular Price See Page 77

MERRY-GO-ROUND
Three horse, good action and music

T3088—Grill metal base 3¾ ins. in diameter; revolving platform with 3 horses and riders, canopy top with flag, and music box, diameter 5¼ ins., height 10 ins.; finished in bright colors; each in box.
Dozen 6.50
Regular Price See Page 30

GARDNER
A fine walking toy; finished in bright colors

T3102 — Brightly colored woman, with sprinkling can and rake; when wound up walks; height 7½ ins.; each in box
Dozen 8.75
Regular Price See Page 28

FULL JOINTED DOLL
Moving eyes, mohair wig, a big 1.00 value

GT349 — Bisque turning head, moving eyes, open mouth showing teeth, side parted wig, ribbon bow; composition body, wood arms and limbs; shoulder, elbow, wrist, hip and knee joints, wire spring strung, white lace trim chemise, length 17¾ ins., each in box.
Dozen 8.00
Regular Price See Page 7

POINTER DOG
A dandy 1.00 animal toy number

T2174—Assorted pointer dogs, flannel covered, paper mache, wood legs, on wheels, collar and leash; average length 12 ins., 9 ins. high; 1/6 dozen in box.
Dozen 7.50
Regular Price See Page 14

SCISSORS GRINDER

T3062 — Cut out jointed lithographed man, grinding scissors; metal frame, with foot pedal and large drive wheel; when wound, sparks fly from grind stone; size 6½x4x4½ ins. high, each in box
Dozen 4.50
Regular Price See Page 28

BAGATELLE BOARD
DOUBLE RUNWAYS

T4014 — Ebony finished frame; polished hard wood green finished playing surface; double runway; complete with playing implements, 1½ inch legs, size wrapped.
Each 1.85
Regular Price See Page 69

FINE ANGORA GOAT
Skin covered; well modeled, good voice; on platform

T2254 — Papier mache body, natural skin covered, wood legs, and horns, glass eyes; shaped skin ears ribbon collar; length 12 ins., 11½ ins. high on stained platform, 4½x13 ins., 1 in box. Each 2.00
Regular Price See Page 15

WARBLING BIRD
Good singer, well made in real natural affect

T3064 — Red and gilt finished metal cage, with spreading wing bird, mounted on tree branch, nice purple and green decorations; good spring, when wound bird moves and whistles, size 4½x5½ ins. round base, 7½ ins. high, each in carton.
Dozen 3.00
Regular Price See Page 29

NECK CHAIN
Bright color round beads; 50 ins. long, knotted

J642 — Assorted round beads, uniform size, in amber, crystal, blue, green, etc.; knotted; length 50 ins., 1 dozen in package, assorted.
Dozen 3.50

SIGHT SEEING BUS
A real Peoples Auto Bus, note price

T3113 — Metropolitan sight seeing bus; finished in green and brown enamel; green wheels; with winding stair and seats on top; length 7½ ins., width 3 ins., height 4½ ins.; each in carton. Dozen....4.25
Regular Price See Page 31

ALL IRON AUTO
A good 50 cent seller; sport model

T3681—Sport model; gray enameled body, gilt trim; 1¾ in. enameled wheels; length 7½ ins., width 2½ ins., 3¾ ins. high; each in box. Dozen....3.85
Regular Price See Page 34

MOTHER'S LITTLE HELPER KITCHEN UTENSILS

T3812 - Two piece set, 5½ in. egg beater and 2¼x2¾ in. crockery mixing bowl; each set in built-up, lithographed box.
Dozen sets 2.15

THE CHOICEST VALUES IN TODAY'S MARKETS

TINSEL CORD AND RIBBON ASSORTMENT

An excellent variety, extensively used for tying up gift packages

F411—Cabinet contains 36 spools, 18 each ribbonzene and tinsel ribbon in Christmas colors.
Cabinet 1.60

Regular Price See Page 84

DECORATED RUBBER BALLS

Guaranteed fast color; a good buy

B581 — 3 inches diam.; assorted fancy designs and colors; 1 dozen assorted in box
Dozen . . 1.68

B582—4 in. diam.; ½ dozen in box.
Dozen 3.25

Regular Prices See Page 54

DANCING BEAR

A real shimmying bear; all metal; well made

T3083—Nicely modeled brown enameled metal bear; when wound up dances (vibrating motion); 8¼ ins. high; each in box.
Dozen 8.00

Regular Price See Page 29

U. S. MAIL BOX BANK

A big favorite, that always sells

T3727— Finished green, gold lettering; 3⅜ in. high, 2¾ inches wide, 1¾ in deep; ½ dozen in box.
Dozen 1.79

Regular Price See Page 36

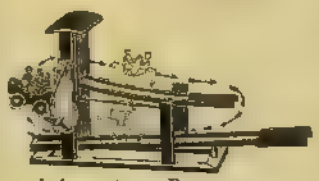
NODDING HEAD ELEPHANT

Large size for the money, good 50 cent number

T2159 —Gray finished composition, nicely modeled; shaking head; length 10 ins., 5½ ins. high; on wheels; ½ dozen in box.
Dozen 3.75

Regular Price See Page 15

"HY AND LO" CARNIVAL CAR



T3086 — Metal construction; finished in bright, attractive colors; the wire form grips the car, carries it to "Hy," then it coasts along upper track, drops to "Lo" and glides down to the end, to be repeated over and over again; length 9¾ inches, width 4½ ins., 4 ins. high; each in carton. Dozen 4.00

Regular Price See Page 28

ANGORA CAT

Looks like natural animal; good voice

T2153 - Fur covered, natural glass cat eyes; finely modeled; when pressed on back opens mouth and "meows"; 11 inches high; each in box. Each 1.50

Regular Price See Page 14

MERRY-GO-ROUND

A regular summer resort model; with music box

T3043 — Hexagon shaped pyramid base, revolving round top to which are attached 4 swings with passengers; when wound up swings revolve rapidly; music box in base; flag; diam. base 3¼ ins; 10 ins. high; finished in bright colors; each in box. Dozen 8.00

Regular Price See Page 30

FUR BARKING DOG

T2210- Wood kennel; fur dog; when tail is pulled barks; size 3½x4½ in 5 ins. high ½ dozen in box.
Dozen 2.25

Regular Price See Page 14

BRACELET

Platinum mounts; jeweled; a very popular style

J290 — Assorted design platinum mounts, set with large and small extra selected brilliants; ⅛ in. silk ribbon, with slide; ½ dozen on display card. Dozen 4.25

EVERGREEN WREATHS

Beautifully made; a fast selling 25 center

F292—Evergreen sprays wound on wire frame, with 2½ in. flannel poinsettia and four bright silver leaves with red berries; diam. 12 ins.; 1 dozen in box. Dozen 1.88

Regular Price See Page 81

POCKET KNIFE

Assorted designs; gold filled; retails for 35 cents

J900—Assorted 6 designs; 2¾ inch gold filled engine turned; burnished; with signet top; 2 steel blades; ½ dozen assorted on card. Dozen 2.25

DOWN AND OUT

One of the best of the many marble games

T4785 — Dished wooden tray 4½ in. in diam. supporting spiral wire runway; tray has 6 colored numbered holes; marbles are dropped through runway, points counting as made by marbles falling into holes; height 7 ins; each in box. Dozen 3.75

Regular Price See Page 69

LINGERIE CLASPS

On your ladies' wear counter you can sell lots of these

J212 -Assorted three designs, solid and scroll tops; one piece; silver finished, nicely chased; 1 dozen on display card. Dozen ..... .75

COW BELL

A special buy only enables us to make this price

T2725—Bronze steel, heavy and strong; clear tone; loop handle; height without the loop 4 ins.; 1 dozen in box.
Dozen 2.25

Regular Price See Page 58

GOBBLING GOOSE

With the regular goose step; nicely finished in colors

T3099—Walks in true goose fashion, bobbing head, and with real lifelike action; white enameled, yellow legs, brown bill; size 9 ins. long, 4½ ins. high; each in box.
Dozen 3.85

Regular Price See Page 28

TOURING CAR

T3127—Gray enameled, black and yellow striping; blue wheels, with chauffeur; runs straight and in circle; good spring; length 8 ins., 3¼ ins. wide, 2½ ins. high; ½ dozen in carton. Dozen 3.95

Regular Price See Page 31

[illegible] TERRIER

T2205—Long fur covered papier mache dog; composition painted face with collar and license tag; on wheels; length 10 ins., height 11 ins.; 1 dozen in box.
Dozen 6.00

Regular Price See Page 15

FULL NICKEL CORNET

Eight keys; accurate tone

T5743—Full nickel plated and polished; 8 keys, 3¼ in. bell; length 11 ins.; ½ dozen in box.
Dozen 8.00

Regular Price See Page 59

TAXICAB

One of Lehmann's; that's enough

T3018 — Red and black enameled taxicab; double spoke wheels; size 3x5¼ in., 4 inches high; each in box.
Dozen 3.68

Regular Price See Page 27

LILIPUTIAN WRITING SET

Everything necessary for juvenile correspondence; a good seller

T4999—Contains miniature envelopes, writing paper, stamps, telegraph banks, postcards, ink well, pen, etc., in partitioned box 6¼x3¼ ins.; 1 dozen in package.
Dozen 3.68

Regular Price See Page 70

DE LUXE EDITION CHECKER BOARD

Something extra fine and good

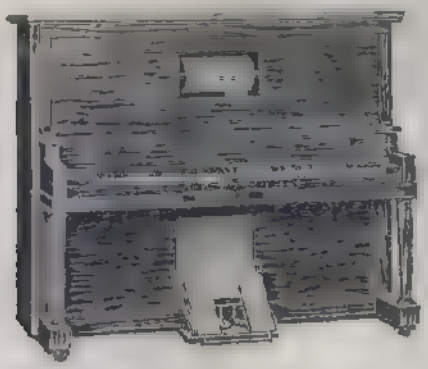
Extra heavy binder's board stock, yellow and black spots, green dividing lines; red leatherette; paper covered, silver stamped.

T4449—14x14 ins. Dozen 4.00

PLAYER PIANOS AND PIANOS

PLAYWELL

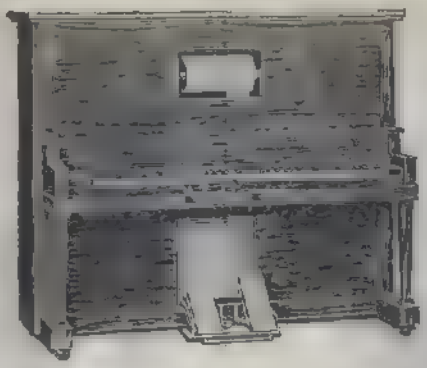
Made of genuine mahogany veneered; dull rubbed finish. Furnished with copper wound bass and silver grain spruce sounding board. Carefully boxed for shipment.



Height 55 inches; width 63½ inches depth 26 inches. Mahogany veneered.

Each

No. 96—Wt each 850 lbs.... ✦$707 55

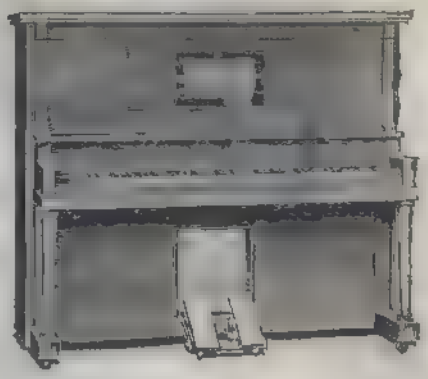


Height 55 inches; width 64 inches; depth 28 inches. Mahogany veneered.

Each

No. 49—Wt each 850 lbs.... ✦$1147 50

Players are equipped with automatic tracking and sustaining devices; silent travel forward; nickel hardware; lever expression control pedal door; double slide upper panels.



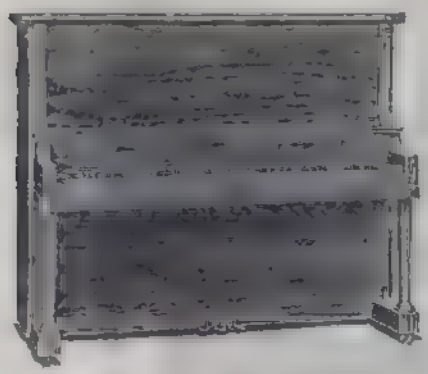
Height 55 inches; width 64 inches; depth 28 inches. Mahogany veneered.

Each

No. 1A-1—Wt each 850 lbs.. ✦$860 70

THE prestage of the Playwell Pianos holds the world over is the inevitable result of the determined policy and standard to produce the very best in Piano construction. The Playwell Piano embodies every quality that means lasting service and satisfaction—the natural result of years of fine Piano building.

The tone is rich, pure and musically perfect. Every case is artistically proportioned, beautifully finished, staunchly built and mechanically correct. As either a Straight Piano or Player they are musical masterpieces. Guaranteed and backed by an organization of over half century's musical experience.



Height 55 inches; width 63½ inches; depth 27½ inches. Mahogany veneered.

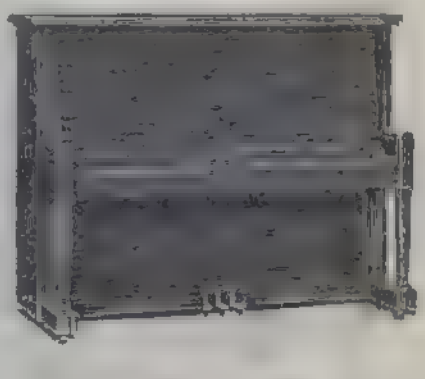
Each

No. 94—Wt each 800 lbs.... ✦$497 25

Height 52½ inches; width 63¾ inches; depth 25¾ inches. Mahogany veneered.

Each

No. 80—Wt each 800 lbs ✦$573 87



Height 55 inches; width 64 inches; depth 26 inches. Mahogany veneered.

Each

No. 62—Wt each 800 lbs.... ✦$581 40

NOTE—Both Pianos and Player Pianos can be furnished in walnut finish at an additional charge of $15 00 net each.

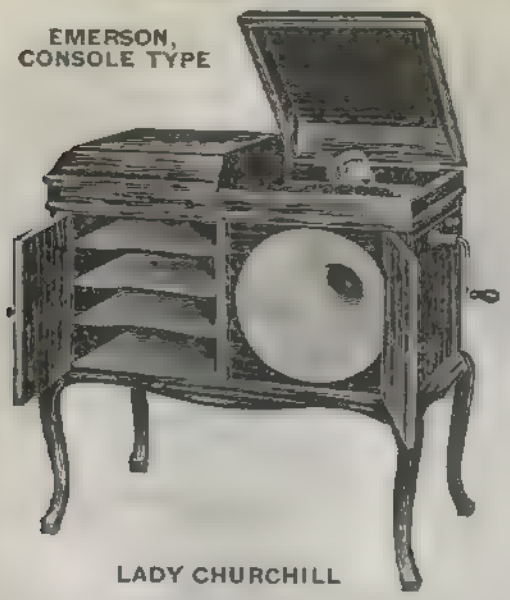
NOTE—Mandolin Attachment for both Pianos and Player Pianos can be furnished $5 00 net each.

✦F. O. B. Indiana Factory Only.

✦F. O. B. Indiana Factory Only.

PHONOGRAPHS

EMERSON, CONSOLE TYPE



LADY CHURCHILL

Everything possible has been done, to make the Emerson one of the finest phonographs ever created. Each has the famed Music Master straight spruce horn, famed for its resonance and true tone carrying qualities. This with the Emerson Tri-ash Throat Universal Tone Arm and Emerson True Tone Reproducer constitutes a distinctive betterment of the Emerson. The heavy precision motor, the bevel edge clamp ring turn-table and Emerson perfect tone control. Plays all makes of records.

All Emerson Phonographs are designed by experts having a knowledge of the finest principle of acoustics, resulting in a machine which, for beauty and fidelity of tone production is rivaled only by nature itself.

BERGUNDY

Genuine mahogany or walnut veneered case, improved Emerson throw-back tone arm; heavy triple spring motor; 12 inch beveled edge, velvet turn table, automatic stop and tone modifier. Gold plated trimmings. Height 37½ inches; width 40 inches; depth 21 inches.

Nos.	35M	35W
Finish	Mahogany	Walnut
Wt each, lbs	283	283
Less than 5, Each	405 00	405 00
5 or more, Each	364 50	364 50
List, Each	*$225 00*	*225 00*

Boxed

PHONOGRAPHS

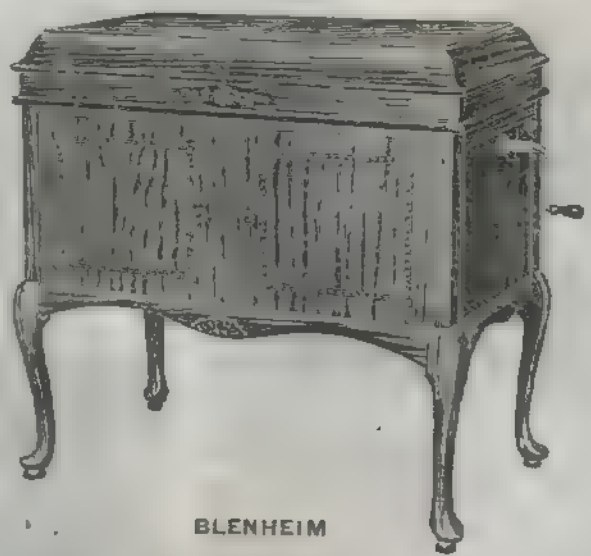
EMERSON, CONSOLE TYPE

BEVERLY

Genuine mahogany or walnut veneered case; improved Emerson throw-back tone arm; heavy spring motor; 12 inch beveled edge, velvet turn-table, automatic stop and tone modifier. Gold plated trimmings. Height 35 inches, width 36 inches; depth 21 inches

Nos.	32M	32W
Finish	Mahogany	Walnu
Wt each, lbs	227	227
Less than 5, Each	315 00	315 00
5 or more, Each	283 50	283 50
List, Each	*$175 00*	*175 00*

Boxed.



BLENHEIM

Genuine mahogany or walnut veneered case; improved Emerson throw-back tone arm; heavy double spring motor; 12 inch beveled edge, velvet turn-table, automatic stop and tone modifier. Nickel plated trimmings. Height 35 inches; width 36 inches; depth 21 inches.

Nos.	33M	33W
Finish	Mahogany	Walnut
Wt each, lbs	226	226
Less than 5, Each	270 00	270 00
5 or more, Each	243 00	243 00
List, Each	*$150 00*	*150 00*

Boxed.

DAZZLING FAIR FOLLIES

THE CLIFTON GIRLS

PERFECT PRESENTATION OF PLEASING PULCHRITUDE

ENTRANCING ACROBATIC DANCING
WINSOME and SPECTACULAR ARTISTES

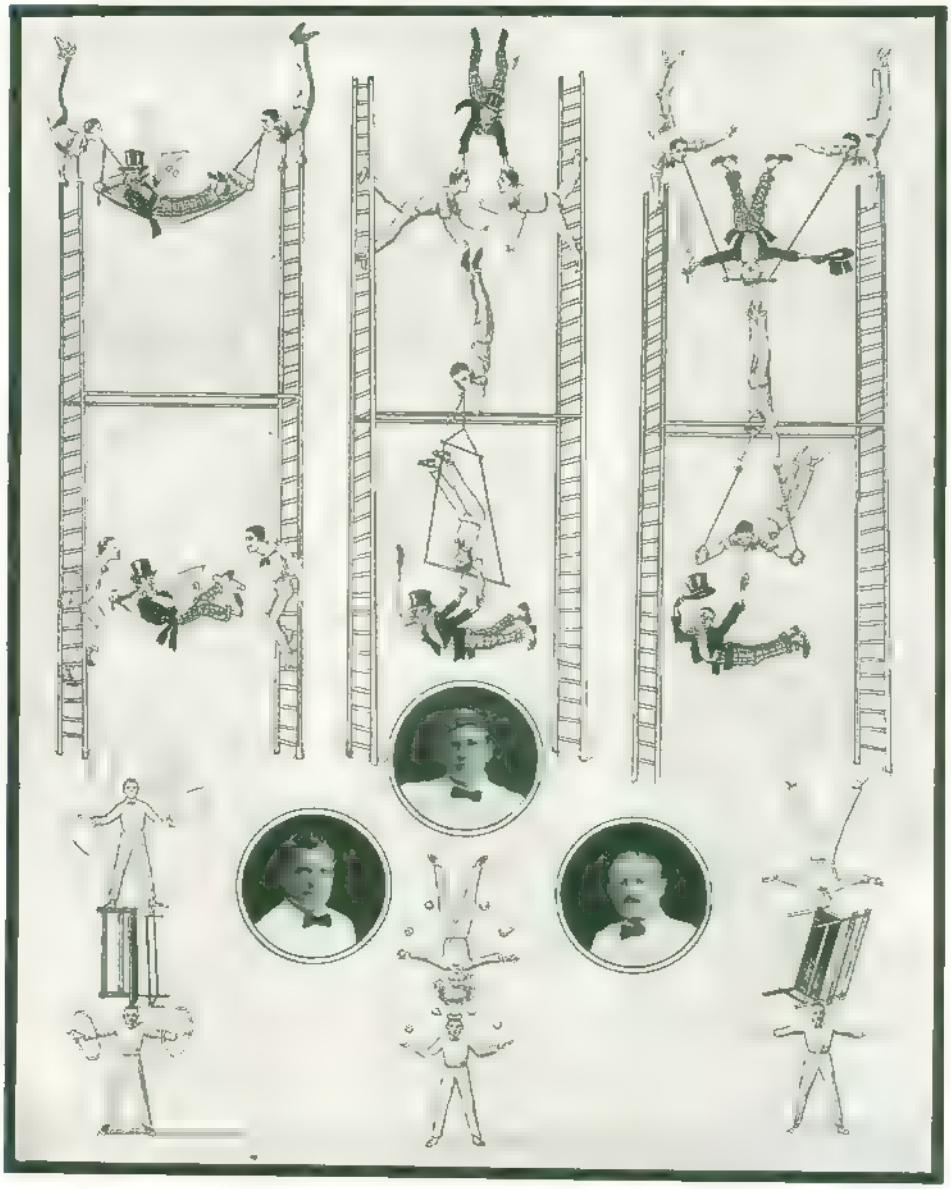
AN INNOVATION FOR PROGRESSIVE FAIRS

EVERY ACT *IN THIS CATALOG CONTROLLED EXCLUSIVELY*
BY **WORLD AMUSEMENT SERVICE ASSOCIATION, Inc.**
"SERVICE and SATISFACTION"

TO PLEASE THE EYE AND AWAKEN WONDERMENT

PLESS TRIO

Making the Audience Gasp at Unusual Risk and Fearlessness



Mirthful Adventures on the Parallel Ladders

Their Second Act Consists of Double Juggling and Balancing that Set a New Standard

EVERY ACT IN THIS CATALOG CONTROLLED EXCLUSIVELY BY WORLD AMUSEMENT SERVICE ASSOCIATION, Inc.
"SERVICE and SATISFACTION"

Polar Cub Electric Fan

The Biggest Value in Model "H"

6 and 8 Inch

Electric Fans on the Market

Universal Motors. Operates on 110-Volts

60 Cycle A. C. or D. C.

6-Inch Electric Fan

Equipped with black twisted lamp cord and standard screw plug ready to operate. Motor casing, base and guard finished in rubber enamel black, electrically baked. Two part drawn steel motor shell with patented bronze bearings. Cast iron base frosted brass finished blades.

Throws maximum breeze. Draws on an average of 22 to 25 watts which means that this little motor spins along at an average cost of one penny for six long hours.

One speed. Height over all, 8 inches. Diameter of guard, 6½ inches. Diameter of blade, 5 inches. Net weight 2 lbs. 3 oz. Packed in corrugated container.

No. 7C9. Each 3.00
Each in lots of 12..... 2.85

8-Inch Electric Fan

Built particularly for the large demand there is for an 8-inch size, this fan makes a splendid addition to any dealer's stock. It is a remarkable value at the price.

Has two part drawn steel motor shell with patented bronze bearings, cast iron base. Motor casing, base and guard finished in rubber enamel black electrically baked. Blades frosted brass finish. Equipped with black twisted lamp cord and standard screw plug.

One speed. Height over all, 10 inches. Diameter of guard, 8⅛ inches. Diameter of blade 8 inches. Net weight, 3 pounds. Packed in corrugated container.

No. 7C10. Each 3.75
Each, in lots of 12..... 3.50

Universal Silver Percolator Set

Set Consists of

PERCOLATOR, Capacity 9 Cups

Metal Handles and Knobs and Ivory Feet

SUGAR AND CREAM SET with Metal Handles

TRAY, Size 12x18 inches with Metal Handles

Solid Nickel Silver Base Heavily Overlaid with Silver

French Grey Butler Finish

Westminster Pattern

Adam Period Design

Beautiful Panel Decorations

Set Complete

53.35

Set Complete

49.00

No. 11G64. Set complete, per set..... 40.00
No. 11G65. Percolator only, each..... 25.00
No. 11G66. Sugar and Creamer Set..... 9.80
No. 11G67. Tray Each 11.92

Our Best Grade Electric Percolator Sets

"Universal"

Landers-Frary-Clark

New Farmington Pattern, 4-Piece Universal Electric Coffee Percolator Set, consists of a 9 cup percolator, sugar, creamer and tray made of solid nickel silver, heavily silver plated with pure silver, butler finish. A special feature is the feed through switch in the cord, making it very convenient to turn the electric current on and off. Complete with cord and all attachments. Each set in carton.

Heavily Silver Plated

No. 11G40.	Percolator 9 cup, each	23.52
No. 11G41.	Sugar, Cream Set, per set	9.80
No. 11G42.	Tray, 14x8 inches, each	10.78
No. 11G43.	Set complete, per set	44.10

Silver Plated Set

Manning Bowman

Heavily silver plated on nickel silver. Repousse Chasing, Butler finish. Percolator loving cup handles. Height 15 inches, capacity 10 cups. Equipped with automatic cutoff protection. Complete with all attachments.

Sugar and cream gold lined, capacity, 8 oz. Tray 20 inches long, 14 inches wide.

No. 2G6.	4-piece set, complete, Per set	48.00
No. 2G3.	Percolator only, Each	24.70
No. 2G4.	Sugar and cream set, Per set	11.00
No. 2G5.	Tray, Each	12.30

IMITATORS OF THE WELL KNOWN HUMAN RACE

Ponzini's Monkeys

THEY'LL MAKE YOU BELIEVE IN EVOLUTION

HEAR THE MONKEY ORCHESTRA
OUT-JAZZING EVEN A CHINESE BAND

Wonderful Simians in a Full Acrobatic Program

ASTONISHING—EDUCATIONAL—ENTERTAINING

EVERY ACT IN THIS CATALOG CONTROLLED EXCLUSIVELY BY WORLD AMUSEMENT SERVICE ASSOCIATION, Inc.
"SERVICE and SATISFACTION"

A POT-POURRI OF NOVEL GYMNASTICS

Ann Schuller and George

TWO EXCEPTIONALLY BEAUTIFUL NUMBERS

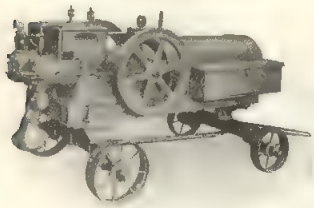
Extraordinary Hand and Head Balancing
Totally New Perch Accomplishments

BOTH ACTS PERFORMED ON SPECIAL APPARATUS
SO CAN BE SEEN FROM AN UNUSUAL DISTANCE

EVERY ACT IN THIS CATALOG CONTROLLED EXCLUSIVELY BY **WORLD AMUSEMENT SERVICE ASSOCIATION, Inc.**

"SERVICE and SATISFACTION"

Portable Engine-Driven Air Compressors



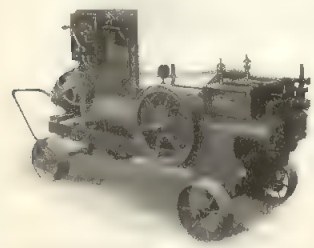
Nos. 20, 30 and 40 Portable Engine-Driven Air Compressors

No. 3363

These portable compressor outfits are mounted on an all-steel truck, with broad-faced wheels. On the same truck is an air tank with pressure gauge, safety valve and globe valve. The truck also contains the proper tool and battery boxes. The engine is of the four cycle angle cylinder type, high tension jump spark ignition and water cooled. These compressors can be used in mechanical painting by means of the power spray. The advantages of the power spray lie in the fact that the spray can be adjusted to deliver any volume of paint and to handle any kind of paint, cheaply and effectively, on any surface. The modern air gun drives the paint into every nook and corner and applies a perfectly even coat to the entire surface. On such work as mill interiors from 5,000 to 7,000 square feet of surface can be covered in an eight hour day.

SPECIFICATIONS

Model	Bore and Stroke, Inches	Speed R.P.M.		Piston Displacement Cu. Ft. per Min.		Horse-power Required		Shipping Weight Pounds
		Min.	Max.	Min.	Max.	Min.	Max.	
No. 10 Single Cyl.	3½ x 3½	...	630	...	15	...	2½	1000
No. 20 Single Cyl.	5 x 5	355	530	20	30	4	6	1400
No. 20 Double Cyl.	5 x 5	355	530	40	60	8	12	1900
No. 30 Single Cyl.	6 x 6	310	510	30	50	6	10	2300
No. 30 Double Cyl.	6 x 6	310	510	60	100	12	20	2700
No. 40 Double Cyl.	7½ x 7½	290	405	100	140	20	30	3700



No. 20 Double-Cylinder Portable Electric-Driven Compressor

Double-Cylinder Portable Electric-Drived Compressor

No. 3364

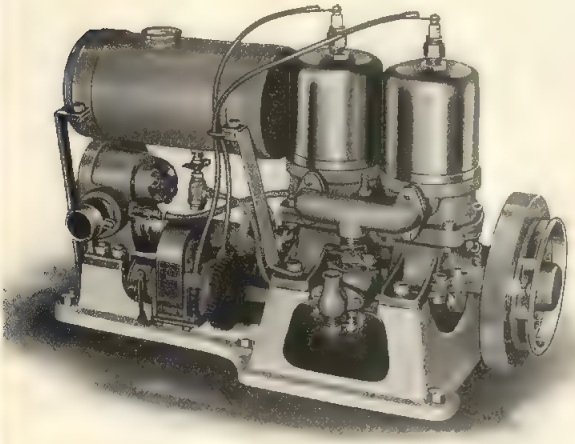
These Portable Electric-Driven Air Compressors consist of the standard horizontal, hopper-cooled compressors, connected to heavy duty electric motors and mounted on truck complete with switchboard. These outfits are built in sizes ranging from 15 to 140 cubic feet capacity. This range of sizes makes it possible to handle any pneumatic tool required in the construction field. Electric railway companies, electric light and power companies, municipalities, in fact, wherever electric power is available, have been using these machines for a number of years with the greatest amount of satisfaction.

SPECIFICATIONS

Model.	Engine Bore and Stroke Inches	Speed R.P.M.	Compressor Bore and Stroke Inches	Piston Displacement Cu. Ft. per Minute	Size Air Tank Inches	Length without Handle	Width Obstacle Measurement of Crank Shaft)	Width (Outside Measurement of Axle)	Height	Shipping Weight Pounds	Approximate Export Weight Pounds
No. 10	3½ x 4½	630	3½ x 3½	15	18 x 30	8′	2′ 7″	2′ 9½″	3′ 3″	830	1625
No. 20	5 x 6½	520	5 x 5	30	20 x 36	8′ 8″	3′ 1″	3′ 5″	3′	1350	1826
No. 30	6 x 8	510	6 x 6	50	24 x 42	8′10″	4′ 7″	3′ 4″	3′ 10″	2400	3000
No. 40	7½ x 10	405	7½ x 7½	70	30 x 48	9′10″	5′ 3″	3′ 10″	5′	3600	4500
No. 60	6 x 8	510	6 x 6	100	12 x 30	9′	5′ 0″	3′ 4″	5′	3800	5000
No. 80	7½ x 10	405	7½ x 7½	140	20 x 36	10′ 6″	5′ 2″	3′ 10″	5′ 6″	5000	6200

*No. 60 Compressor consists of two No. 30 Compressors mounted on one common truck with air tank and all fittings.
†No. 80 Compressor consists of two No. 40 Compressors mounted on one common truck with air tank and all fittings.

Fairbanks-Morse Forest Fire Pump



No. 3362

The Fairbanks-Morse Portable Fire Fighting Pump is the product of experience gained during many years of manufacturing and careful experimenting carried on in co-operation with well-known Forestry Engineers The Federal and Provincial Governments have tested these engines and pumps under the most difficult service conditions and proved the rugged durability, minimum attention and easy starting qualities as well as the reliability and trust that can be placed in one of these fire-fighting outfits.

The engine is two cycle, two cylinder, water cooled, with copper jackets and aluminum base, 3" bore and 3" stroke, developing 5-6 h p. It will give excellent results and the moderate speed eliminates the possibility of breakdowns and costly repairs Outstanding among these exclusive features are the Berling High Tension Waterproof Magneto, which provides constant electric current under most adverse conditions and the Schelber Model "D" Carburetor which is used because it is simple to adjust and specially suitable with two-cycle engines.

Drop forged crank-shaft and connecting rods to withstand the strain of constant stopping and starting under full load

The pump is a bronze rotary of the highest quality, especially designed and accurately machined to give the maximum results with our engine.

The engine and pump mounted on carrying board complete, weighs only 110 lbs.

We carry in stock for immediate shipment, parts for the later models. Replacements for older models can be made up on short notice. The outfit is "Made in Canada."

OIL ENGINES

PRIMM, SEMI-DIESEL

The high cost of labor and the uncertainty of coal production, delivery and cost make it desirable for users of power to search for dependable engines that may be operated at a lower cost for both fuel and labor than can steam engines.

This demand has brought about the rapid development of Semi-Diesel engines, which use crude oil or any of its by-products such as fuel oil, gas oil, solar oil, distillate or kerosene. These engines are operated much more easily than full Diesel engines, having a lower compression, and are maintained at a much lower expense for repairs They are easily installed and little or no expert attendance is required.

They have been on the market for seventeen years. During this time the improving and developing of these engines have been continuous and we believe that the present line is superio to all other-makes of oil engines.

The mechanical features which will appeal to engineers are fully described in the Bulletin which will be sent to prospective purchasers upon application. The economical features which will appeal to owners are:

Low Cost For Labor Primm Power Units are one man plants No coal to handle, no ashes to take out; no dirt; no time lost in firing up; no continuous attention to maintain proper steam pressure.

Low Cost For Fuel Six to eight gallons per horse power hour of a gravity twenty-four Beaumme or better which is sufficiently distillate to flow through pipes leading to fuel pump.

Low Cost For Lubricating Oil Crank pin, main bearings, all other bearings except cylinder, lubricated by the splash system Forced lubrication to piston Uses one-half to one-quarter gallon per hour

Low Cost For Repairs: The wrist pin in the cross-head instead of in the piston does away with wear to cylinder and piston and insures long life and continued efficiency.

Low First Cost: No smoke stack, boilers, coal bunkers, small building, small erection cost.

These engines are especially adapted for electric lighting plants. Steam driven plants with single units, requiring not more than 300 horse power, which are being operated without profit or at a loss, may be made to pay dividends by junking or disposing of the steam equipment and substituting PRIMM engines.

MANUFACTURERS' GUARANTEE

The manufacturers guarantee each engine to be free from defective material and workmanship for twelve months following shipment and to replace any part of it which shall prove defective within said time, provided such part is returned to them, transportation charges prepaid (transportation charges on large parts to be arranged for). This guarantee does not cover breakage, abuse, misuse, neglect or accident. The company will not be responsible for repairs made on engines outside of their shops by others than their own representatives, and will not entertain any claim for the cost of repairs made by others than the above except upon written request. They further guarantee each engine to have been thoroughly tested in the factory previous to shipment and that it has during said test, developed brake horse power greater than that at which it is rated, that at which it will not use more than pounds of fuel per brake horse power per hour, when properly handled, from three-fourths to full load, not less than six-tenths of a gallon of fuel oil of a gravity of twenty-four Beaumme or better, containing at least thirteen thousand B. T. U. per pound and continuing not more than one-half of one per cent of moisture, the quality of which will allow it to flow through pipes leading to fuel pump.

REGULAR EQUIPMENTS INCLUDE THE FOLLOWING

Type "CBU" fuel straining tanks of 50 gallon capacity for engines up to and including 45 H. P. and 100 gallon capacity for larger engines; tanks not furnished when equipment is fuel and water circulating pumps with auxiliary fuel tanks and fittings are furnished, see extras, exhaust large vertical pipe and elbow, full set of wrenches, lubricators; and small fittings necessary for setting up the engine; water circulating pump rotary type; the equipment will also include standard air starting equipment and clutch pulley. Type "EBU" will be furnished Type "CBU" except outer pulley will not be furnished except as an extra.

If any of the equipment mentioned above is not desired, the cost of such equipment will be deducted from the price of such an engine.

Extras Special pulleys, mufflers, extra shafts, clutch couplings, extra pumps for oil and water, exhaust pipes and foundations, bolts are not included in regular equipment but will be furnished at small extra costs.

SPECIFICATIONS

All measurements and weights are in inches and pounds, and are approximate, only for estimating

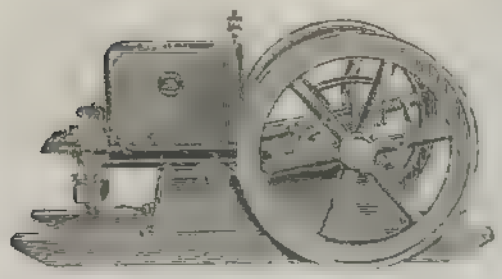
Nos.	H. P.	Symbol	R. P. M.	Shipping Wt Type "CBU"	Shipping Wt Type "EBU"	Floor Space Type "CBU"	Floor Space Type "EBU"	FLY-WHEELS TYPE "CBU" Dia.	Face	TYPE "EBU" Dia.	Face	
I	20	I	327	7400	7500	100x125	60x 24	64	4	62	7	
A	25	A	327	7850	7900	100x125	60x 24	64	4	62	7	
B	30	B	300	9150	9970	105x135	65x135	67	4	67	8	
C	35	C	300	9350	10427	105x135	65x135	67	4	67	8	
D	40	D	300	11150	12060	106x 45	69x 45	67	5	67	10	
E	45	E	300	11900	12840	106x 45	69x 45	67	5	67	10	
J	55	J	277	15450	16800	120x156	72x 56	72	6	74	10	
K	70	K	277	16450	16400	120x 56	72x 56	72	6	74	10	
L	85	L	255	23450	25800	124x187	79x187	75	8	75	12	
M	100	M	255	24 00	26600	124x187	79x 87	75	8	75	12	
N	125	N	210	38450	41000	133x196	86x196	76	10	76	14	
P	150	P	210	39000	42000	133x196	89x196	76	10	76	14	
MT	200	MT	225	41000	44000	172x187	110x187	75	12	75	12	
NT	250	NT	210	53500	54000	192x196	128x196	76	14	76	14	
PT	300	PT	210	57000	57500	192x196	128x196	76	14	76	14	

Prices on application.

KEROSENE ENGINES

FULLER & JOHNSON

Model "K"—Throttling Governor.



3, 5, 7, 9 and 12 Horse Power.

Well adapted for electric lighting plants, for use on the farm, in shops, elevators, mills, creameries, etc., or on concrete mixers, balers, etc. Has new and improved throttling governor; extra heavy fly-wheels which further insure constant, steady power, so essential for operating the electric dynamos, cream separators, etc.

The engines are beautifully painted and striped in gold, and are mounted on substantial hardwood skids. They may easily be skidded from place to place, or installed as stationary engines. If it is desired to mount the engine on a hay baler, well drill, concrete mixer, or other machine, simply remove the skids as the engine is self-contained, that is, the engine is hopper cooled with no pipes or screens, and the fuel tank is mounted in the full base and connected to the mixer above the base line.

3, 5 and 7 H. P. engines equipped with built in low tension gear driven magneto. 9 and 12 H. P. equipped with starting battery in addition to magneto. Will run on kerosene, benzine, naptha, distillate, motor spirits or gasoline.

Furnished with a heavy galvanized fuel tank; a machine turned pulley, which fits on either side of the engine; a good muffler; a sight feed lubricator; large grease cups for the bearings; a full set of dry batteries, and a water-proof spark coil, all wired up and neatly packed in a good battery box, nicely painted; all necessary wrenches; oil can; priming cup; starting crank (except on 12 H. P.); a can of oil; a can of grease; and a complete book of instructions.

Pulleys other than those specified below can be furnished, charge being made according to the size of the pulley.

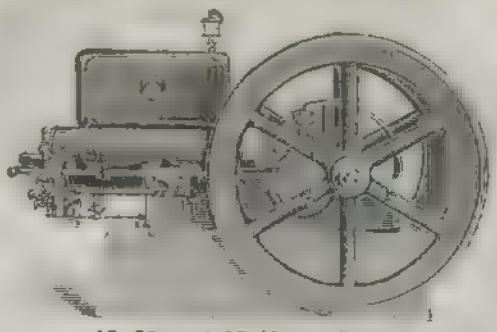
Nos.	3K	5K	7K	9K	12K
Horse Power	3	5	7	9	12
Rev. per minute	475	450	400	385	325
Diam fly-wheel, ins	22	26	32	36	42
Size pulley, ins	8x4	12x6	16x8	18x8	18x8
Cap. fuel tank, gal	2¾	5½	7	10	14
Floor space, ins	35x43	40x52	44x63	48x66	46x80
Shipping wt, lbs	575	825	1200	1750	2350
Each	✦$324 00	✦456 00	✦696 00	✦948 00	✦1395 00

✦F. O. B. Wisconsin Factory Only.

KEROSENE ENGINES

FULLER & JOHNSON

Model "K"—Throttling Governor.



15, 20 and 25 Horse Power.

These larger sizes embody the very latest developments in Throttling Governor Kerosene Engines. They run very smoothly and quietly and at a uniform, steady speed, with a big surplus of power. They operate perfectly on kerosene. Especially suited for [illegible] creameries, feed mills, grain elevators, electric light plants, etc.

They are regularly equipped with fuel pump so that the large fuel tank may be placed outside the building.

Each engine is furnished with plain pulley; exhaust pot (or muffler when ordered); starting battery; coil, switch; built in, low tension magneto; water gauge; wrenches; cylinder oiler; grease cups; priming cup; supply of cylinder oil and cup grease; oil can; 53 gallon outside connected tank with sufficient pipe to connect tank 30 feet from engine.

Pulleys other than those specified below can be furnished, charge being made according to the size of the pulley.

Nos.	15K	20K	25K
Horse Power	15	20	25
Rev. per minute	300	280	260
Diam fly-wheel, ins	48	52	58
Size pulley, ins	20x12	20x12	20x12
Floor space, ins	55x84	60x96	60x100
Shipping wt, lbs	3400	4400	5000
Each	✦$1950 00 *Crated*	✦2460 00	✦2745 00

GASOLINE ENGINES

FULLER & JOHNSON

MODEL N, With Built-in Low Tension, Gear Driven Magneto.

This engine operates perfectly on gasoline and can be used with equally good results on motor spirits or No. 1 engine distillate, otherwise same as kerosene engine.

Nos.	1½N	3N	5N
Horse Power	1½	3	5
R. P. M.	500	475	450
Diam fly-wheel, ins	18	22	26
Size pulley, ins	5x4	8x4	12x6
Capacity fuel tank, gals	1¼	2¾	5
Floor space, ins.	26x47	36x49	40x62
Shipping wt, lbs.	365	525	775
Each.	✦$190 50	✦324 00	✦441 00

Nos.	7N	9N	12N
Horse Power	7	9	12
R. P. M.	400	385	325
Diam fly wheel, ins	32	36	42
Size pulley, ins	16x8	18x8	18x8
Capacity fuel tank, gals	7	10	14
Floor space, ins	44x63	48x66	46x80
Ship wt, lbs	1160	1700	2300
Each	✦$675 00	✦915 00	✦1362 00

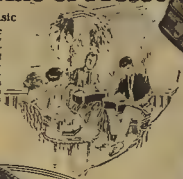
✦F. O. B. Wisconsin Factory Only.

Biggest Values and Finest Tone Quality

Ideal for Home or Professional Use

Learn to Play Hawaiian Music

That haunting Hawaiian music which sounds difficult, is really very easy to play. The Hawaiian Guitar is like any other guitar in general construction, and is played practically the same. The weird, wailing effect of Hawaiian music is produced by a steel bar which you slide along the strings when playing.



$5.50

6-String Hawaiian Guitar

Pure [illegible] neck [illegible] [illegible] [illegible]

High Quality Band Instruments

Artistically Engraved

Concertone B-Flat Slide Trombone

$7.95

This is the greatest Trombone value we have ever offered in our entire history. Knowing that many of our customers are looking for a large quantity of these instruments at a low price, we have purchased a large number at a special price and have combined many of the best features of other makes in making this one. No other Trombone at this price can equal it. It is an instrument of unusual merit, excellence, outstanding tone quality and low price.

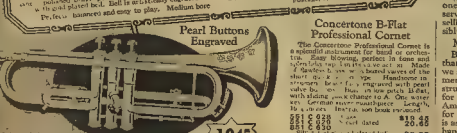
It is made of the finest brass and offered in three finishes: Lacquered, polished nickel and silver plated with gold plated bell. Bell is artistically engraved.

Medium bore

Perfect balanced and easy to play.

With 7-inch bell gives a full resonant tone suitable for band or orchestra. The easy running slide is fitted with extra heavy tubing so it will not wabble or get out of line and long wearing. Over-sprung B-flat, G and E valves, with a large quantity of these instruments we have been able to secure the most modern improved make and construction at the lowest possible price. Bell is hand engraved, has gold lacquered finish and is silver plated. Complete with case and instruction book included.

851 C 922 Yellow finish	$ 7.95
851 C 923 Nickel plated bell	9.95
851 C 924 Silver plated, gold plated bell	10.75
51 C 234—Gooseneck Trombone Slide. Fits Conn, Holton, Martin and other makes. Postage, 8c extra	1.75



Pearl Buttons Engraved

Concertone B-Flat Professional Cornet

$19.45

The Concertone Professional Cornet is a splendid instrument for band or orchestra. Easy blowing, perfect in tone and scientifically constructed throughout. Made of Yellow Brass, with Monel Metal valves of the short throw type. Handsome in appearance. Bell is engraved with pearl valve buttons. Medium bore with B-flat, with slide for change to A. One silver plated water key and piece. Length, 19½ inches. Bore, 15/64 inch. Instruction book included.

851 C 930 Yellow finish	$19.45
851 C 931 Nickel plated	20.45
851 C 932 Silver plated bell	26.95
851 C 933 Silver plated valves finish	33.25

All gold plated valves finish ... Postage, 16c extra

Pearl Buttons Engraved

Three-in-One C-B-Flat and A Cornet

$13.65

The instrument is really three Cornets in one. You can play vocal music or hymns without transposing by tuning to C. When in B-flat for band or concert use it is equipped with a quick change to A. A combination cornet without the short shank mouthpiece. This type of instrument has the positive action medium bore. Monel Metal valves. Instruction book and instruction book included. Length, 19½ inches. Diameter of bell, 4½ inches.

851 C 933 Brass finish	$13.65
851 C 934 Nickel plated	15.25
Silver plated gold plated bell, Postage, 16c extra	21.25

Engraved Pearl Buttons

Rotary Change to A

Concertone Professional B-Flat Trumpet

$37.25

The improved rotary quick change to A makes this an exceptionally desirable instrument for the professional player. The change is such a quick and positive one with best rotary valves. Large bore. Beautiful B-flat low set with monel metal valves and water key. Perfect, dynamic tonality. Finished with engraved bell and pearl buttons.

Length, 19½ inches. Instruction book included.

851 C 973 Brass finish	$37.25
851 C 974 Nickel plated	39.25
851 C 975 Silver and gold plated	45.25
851 C 976 All gold plated, velvet finish. Postage, 16c extra	51.75

Compare the Quality and Price See What You Save

In nearly every community and in almost every organization of men or boys, there is enough musical talent to organize a good Brass Band. There is no more popular organization in any city than its brass band. It is a necessary part of the life of every community. A big obstacle to forming such organizations has been the cost of the necessary instruments. Realizing this, our musical instrument department decided to bring within the reach of all such organizations, quality Brass Band Instruments at prices fully one-fourth less than dealers usually ask. This was possible because we buy direct and sell direct and take but one small profit. We buy for seven great stores, serving millions of people. The average dealer, selling a few instruments each year, can not possibly offer you such low prices.

Made from Our Own Specifications

But we were not content with only the saving that our large purchases would make possible. So we sent buyers over to the great musical instrument centers of Europe, where the very best instruments are made. We provided specifications for the instruments most popular in the leading American brass bands. Then we placed orders for tremendous quantities. The saving we made is astonishing; and it explains why we can sell you band instruments of a quality we are exceedingly proud to recommend and guarantee, at prices from one-quarter to one-half below what dealers must ask you.

Every Concertone Instrument Is Fully Guaranteed

When you buy a Concertone Band Instrument you are protected by Ward's well known guarantee that you must be thoroughly satisfied with your instrument or your money will be refunded.

Plating Takes Ten Days

Your instruments will reach you clean and bright. We do all our plating and polishing after your order is received. This requires about ten days.

Beauty Features of Concertones

Every Concertone Band Instrument is beautifully finished and engraved with an artistic design. Each valve is tipped with an inlaid button of pearl.

Organize a Band—Let Ward's Save You Money on Your Instruments

Get the musicians of your community together and organize a Band. A band is always in demand, and it is well paid for its services. Our price for a complete band outfit is one-quarter to one-half below the total cost if each member bought his instrument separately from a dealer.

Complete Band Outfits at Special Low Prices

Band of 8 Pieces $116.50

2 Cornets No. 851 C 924 @ $10.75 ea. $21.50
2 Alto No. 851 C 924 @ $10.75 ea. 21.50
1 Bb Baritone No. 851 C 938 10.75
1 Bb Bass No. 851 C 944 19.75
1 Snare Drum No. 851 C 1207 12.50
1 Bass Drum with 9 shadow tones in each head, 28 inches 20.00
1 Pair Cymbals, 16 inches 5.00
851 C 609 Complete Band Outfit, Special price of these 8 pieces $116.50

Band of 10 Pieces $130.25

2 Cornets No. 851 C 924 @ $10.75 ea. $21.50
2 Alto No. 851 C 924 @ $10.75 ea. 21.50
1 Bb Baritone No. 851 C 938 10.75
1 Bb Bass No. 851 C 944 19.75
1 Clarinet No. 851 C 1207 12.50
1 Bass Drum with 9 shadow tones in each head, 28 inches 20.00
1 Pair Cymbals, 16 inches 5.00
851 C 610 Complete Band Outfit, Special price of these 10 pieces $130.25

Band of 12 Pieces $154.45

2 Cornets No. 851 C 924 @ $10.75 ea. $21.50
2 Trombones No. 851 C 922 @ $7.95 ea. 15.90
2 Alto No. 851 C 924 @ $10.75 ea. 21.50
1 Bb Baritone No. 851 C 938 10.75
1 Bb Bass No. 851 C 944 19.75
1 Clarinet No. 851 C 1207 12.50
1 Bass Drum with 9 shadow tones in each head, 28 inches 20.00
1 Pair Cymbals, 16 inches 5.00
851 C 611 Complete Band Outfit, Special price of these 12 pieces $154.45

FIRE EXTINGUISHERS

PYRENE

Kills Fire—Saves Life

The double-acting pump throws a steady, continuous stream, no matter in what position the extinguisher is held. The contents will not freeze at 50 degrees below zero. Needs no recharging until used

For automobile, truck or tractor protection, Pyrene is best, because it is light and compact. Is not affected by jolting of the car, and is the most effective type of extinguishing gasoline or oil fires. Automobile fire insurance is reduced 15 per cent by the installation of a Pyrene Extinguisher. Pyrene is also best for motor boat protection, and is approved by the U. S. Steamship Inspection Service.

Pyrene is the only safe type of extinguisher to use on electrical fires, of all kinds. The liquid is non-conductive and will not injure electrical equipment.

For fires starting in oil, paint or other highly inflammable materials, Pyrene is the ideal extinguisher because it has an instantaneous effect on the flame—smothering the fire like a blanket

Pyrene is an excellent extinguisher for protection of schools and homes, being light enough to be easily handled by women and children, and the liquid will not injure delicate fabrics. Pyrene is approved by the Good Housekeeping Institute

Labelled by the Underwriters' Laboratories, Inc.

Use only Pyrene Liquid in Pyrene Extinguishers Other liquids may damage the mechanism.

Complete with Black Bracket

Pyrene—Brass ..... Each **$12.00**
Pyrene—Nickel plated ..... Each **13.00**

Twelve in a case

Extra Bracket ..... Each **$1.00**

PYRENE METAL BOXES

With Glass Front

These boxes are substantially made of metal, rust-proof. The heavy box is finished in black and will stand severe service outdoors, on trucks, etc. The light box, painted red, is for indoor use. Each box holds one extinguisher and prevents tampering

	Each
Metal Box—Heavy vehicle type	**$4 00**
Metal Box—Light industrial type	**3 00**

One in a box

PYRENE LIQUID

Pyrene Liquid—Size cans	Quart	Gallon
Cans in a case	20	5
Each	**$1 80**	**7.20**

GUARDENE, SODA AND ACID TYPE

Standard Design, 2½ Gallons Capacity, Complete with Charge

The Guardene, well designed and well built, embodies all the latest improvements in soda and acid extinguishers. There are few fires that a Guardene won't handle if it is used promptly. This extinguisher throws a stream 40 feet.

The Guardene is made of cold-rolled copper, burnished outside and heavily lined with non-corrosive metal. Each extinguisher is tested to 350 pounds per square inch. The actual working pressure is about 100 pounds. 17 in flexible hose. Weight filled 40 lbs.

To operate, tip extinguisher upside down. To stop operation, turn right side up.

The Guardene Extinguisher is labelled by the Underwriters' Laboratories and approved by the U. S. Steamboat Inspection Service

Guardene Standard—Polished copper ..... Each **$20.00**
Guardene Standard—Nickel plated ..... Each **22.00**

One in a carton, complete with recharge and bracket and screws for hanging

EXTRA RECHARGES FOR GUARDENE EXTINGUISHERS

Guardene soda and acid recharges are scientifically compounded and absolutely accurate. They are standard recharges for Guardene Extinguishers or any standard soda and acid extinguisher All soda and acid extinguishers to be efficient should be recharged once each year.

Extra Recharges—For Guardene Fire Extinguishers..... Per Dozen **$9 00**

Twenty-four cartons in a case.

PHOMENE

Foam Type, 2½ Gallons Capacity, Complete with Charge and Hanging Hook

This extinguisher is effective on all classes of fires, including oil, gasoline, naphtha, enamel, tar, wax, grease, shellac, lacquers, inflammable solvents and chemicals

Wherever quantities of materials of an oily or highly inflammable character are manufactured, used or stored, Phomene is the only suitable extinguisher to install

For manufacturing plants, Phomene affords more complete protection than the ordinary soda-and-acid extinguisher. Phomene will extinguish all classes of fire.

No matter what the burning material may be, liquid or solid, Phomene foam will float or spread over the surface, forming a tough, heavy blanket which is airtight and fireproof.

Heavy cold-rolled copper, polished and lacquered; labelled by the Underwriters' Laboratories; actual capacity (size of tank) 3 gallons; rated capacity (volume of liquid) 2½ gallons; height 24 inches; weight empty 18 pounds; weight filled 42 pounds; amount of foam produced 20 gallons; length of stream 25 to 35 feet. Must be recharged yearly and protected from frost.

Phomene—Complete with charge and hanging hook. ..... Each **$25 00**

One in a shipping carton.

EXTRA RECHARGES FOR PHOMENE EXTINGUISHERS

Extra Recharges—For Phomene Fire Extinguishers.. .... Each **$1 75**

One in a shipping carton

DIEHL ELECTRIC FANS

REGULAR

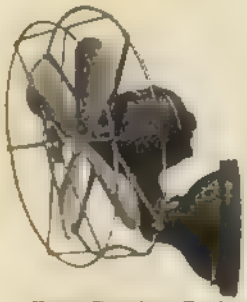
Desk Position

9 Inch

Oscillating and non-oscillating fans for desk or wall bracket use on all commercial circuits. Substantially built and well proportioned. Finished in black enameled throughout. Attachment plug and 8 foot cord with each fan

No. 9/NO—Non-Oscillating . . . . . Each $10 00
No. 9/O —Oscillating . . . . . Each 15 00

One in a box; weight each 8 pounds.



Wall Bracket Position.

10 Inch

Oscillating and non-oscillating fans. Four blades, three speeds, for all commercial circuits. Easily adjusted for desk or wall bracket service. Finished in black enamel with polished brass blades. Attachment plug and 8 foot cord with each fan.

No. 10 NO—Non-Oscillating . . . . . Each $16.00
No. 10 O —Oscillating . . . . . Each 20 50

One in a box; weight each 17 pounds.

EXHAUST

Bucket Blade

For all commercial circuits Light in weight and can be installed at small expense. Finished in black japan. Gives more positive air movement than flat blade fans. Strongly built use little electric current.

No. DE—Size fan, inches. . . .	9	12	15
Weight each, lbs.	28	37	67
Each	$29.00	38.00	50.00

One in a box.

REGULAR

Desk Position

12 Inch

Oscillating and non-oscillating three speed fans for all commercial circuits. Finished black enamel with four polished brass blades. Speed regulator in base of fan. Adjustable for wall bracket use. Attachment plug and 8 foot cord with each fan

No. 12 NO—Non-Oscillating . . . . . Each $23 50
No. 12 O —Oscillating . . . . . Each 30 00

One in a box; weight each 35 pounds

Wall Bracket Position

16 Inch

Oscillating and non-oscillating fans. Rugged construction, well proportioned. Fan blades, polished brass, three speeds. Finished black enamel. For all commercial circuits. Easily adjusted for desk or wall bracket use. Speed regulator in base. Attachment plug and 8 foot cord with each fan

No. 16, NO—Non-Oscillating . . . . . Each $27.00
No. 16/O —Oscillating . . . . . Each 35.00

One in a box; weight each 45 pounds.

VENTILATING

Flat Blade

For use on all commercial circuits Finished in dull black and are exceptionally serviceable to ventilate kitchens lavatories etc Can be easily installed in transoms or partitions Rugged construction, quiet in operation, low consumption.

No. DV—Size fan, inches.	12	16
Weight each, lbs.	35	52
Each	$28.00	32.00

One in a box.

CEILING

Alternating Current

Four blade, ball bearing, three speed. Finished dull black Polished mahogany finished blades, Furnished with three speed switch, ceiling canopy, ceiling hook and insulated hanger loop

No. C52—Alternating current; 52 inch sweep; weight boxed 75 pounds . . . . . Each $50.00

Direct Current

Four blade, three speed. Finished in black enamel with gold lines. Move a large volume of air with small current consumption. Standard equipment consists of fan, three speed switch, four polished mahogany finished blades, ceiling canopy, ceiling hook and insulated hanger loop.

No. C56—Direct current; 56 inch sweep; weight boxed 83 pounds . . . . . Each $50.00

Note—For List Price on 220 volt A. C and D. C. Fans and 25 cycle, 110 volt, A. C fans add $2.00 to above prices Add $7.00 to List Price A. C. Ceiling Fan for use on 25 cycle, 110 volt current.

FIRE EXTINGUISHERS

PYRENE

Pyrene Fire Extinguishers are the safest and most efficient type for electrical and all fires starting in oil, gasoline, shellac, paint or other highly inflammable substances. Water only spreads oil fires and is dangerous to use on an electrical fire.

When Pyrene is thrown onto a blaze, the heat of the fire transforms the liquid into a heavy, non-poisonous gas blanket which extinguishes the fire by cutting off the air supply.

The lightness and ease of operation of Pyrene extinguishers by women and children commend them to anyone for home protection.

Being adopted as standard fire protection for incipient fires by large railroads, factories, etc.

There is within the container a manually operated double-acting pump which throws a continuous stream.

Length 14 in., diameter 3 in., weight filled ready to use 6 lbs.

Each

No. PB—Capacity 1 quart, brass finish, complete with black enameled bracket $12 00

PYRENE LIQUID

Pyrene liquid will not injure delicate fabrics or sensitive machinery. Can be kept in unheated buildings or in exposed places as it does not freeze even at 50 degrees below zero.

Per Can

1 Quart Can—Sufficient for one filling for Pyrene extinguisher $1 80

Per Can

1 Gallon Can $7.20

GUARDENE

Cold rolled copper, polished and lacquered, heavily plated inside with non-corrosive metal. At top of cage is a bottle holding 4 fluid ounces of sulphuric acid and closed with a lead stopper. The tank when ready for use is filled with a solution of 2½ gallons of water and 1½ lb. of bicarbonate of soda

Guardene extinguishers are well designed and do not look out of place in any office, school or theatre. Besides bearing the Underwriters' label, Guardene extinguishers are approved by the U. S. Steamboat Inspection Service now and for use after January 1, 1920. Guardene extinguishers are also approved by the factory mutual insurance companies.

To use the extinguisher it is simply turned upside down; the stopper falls out and the mixing of the acid with the soda solution generates a gas pressure that will throw a stream 40 feet. The stream can be shut off by turning the extinguisher rightside up again.

Guardene Fire Extinguishers are tested to 350 pounds pressure, but the working pressure is only about 100 pounds.

Each

GUARDENE—Capacity 2½ gals., 22 in. high, complete with chemical charge, bracket and screws, weight each, filled, 40 lbs. $20.00

One in a Carton

RECHARGES

Each

Guardene—Soda and acid recharges, scientifically compounded, for Guardene or any standard soda and acid extinguisher $0.75

FIRE EXTINGUISHERS

PHOMENE

Heavy cold-rolled copper polished and lacquered, labeled by the Underwriters' laboratories.

The extinguisher that affords complete protection, and will extinguish any fire that the soda and acid extinguisher would handle.

Phomene Extinguishes Fires that the Soda and Acid Extinguisher Would Not Touch!

The soda and acid extinguisher ejects 2½ gallons of water; Phomene ejects 20 gallons of fire-fighting foam, and the foam is effective on burning liquids as well as dry materials.

Phomene extinguishes burning oil, enamel, tar, wax, grease, shellac, lacquers, inflammable solvents or chemicals. Wherever such materials are used or stored, Phomene is an absolute essential, and in nearly every industry these inflammable materials are used; therefore we recomm-end Phomene for general protection, to replace the old style soda and acid extinguisher

Each

Phomene—Actual capacity tank, 3 gallons, rated capacity 2½ gallons, 24 in. high, amount of foam produced 20 gals., length of stream 25 to 35 ft., weight each empty 18 lbs., filled 42 lbs. $25.00

RECHARGES

Each

Phomene Recharges—Consist of 3 separate cartons A, B and C, each carton contains 2 packages of dry powder and one can of liquid with complete directions $1.75

HOSE REELS

Green enameled tubular steel frame, 7 in. black cast iron wheels, solid steel reel arms, heavy corrugated galvanized steel drum

Each

No. 2W&K—9 in. diameter drum, capacity 100 ft. ¾ in. rubber hose, weight each 15 lbs. $2.00

One in a Bundle

WIRT'S TUBULAR, ALL METAL

All metal, tubular steel rims and frame, steel spokes, steel reel heads, corrugated galvanized steel drum

Nos.	10	20
Height reel, in.	21	24
Cap. ¾ in. 3-ply, ft.	100	150
Cap. 1 in. 4-ply, ft.	50	75
Weight each, lbs.	18	20
Each	$3.50	4 00

Open Stock

MOTOR OIL

1-Gal. Can

5-Gal. Can

15, 30, 55-Gal Steel Drum with Faucet

Wolf's Head, Pennsylvania base motor oil, high flash and burning points, clear and brilliant in color; free from carbon, resists gasoline dilution. Noted for quality.

WOLF'S HEAD, LIGHT

In Cans

Size of can	1 Gal.	5 Gal.
Contents of case	12	2
Weight per case, lbs.	125	90
Per gallon	$	

In Steel Drums

Approx. contents, gallons	15	30	55
Weight per drum, lbs.	130	240	410
Per gallon	$		

WOLF'S HEAD, MEDIUM

In Cans

Size of can	1 Gal.	5 Gal.
Contents of case	12	2
Weight per case, lbs.	125	90
Per gallon	$	

In Steel Drums

Approx. contents, gallons	15	30	55
Weight per drum, lbs.	130	240	410
Per gallon	$		

WOLF'S HEAD, HEAVY

In Cans

Size of can	1 Gal.	5 Gal.
Contents of case	12	2
Weight per case, lbs.	125	90
Per gallon	$	

In Steel Drums

Approx. contents, gallons	15	30	55
Weight per drum, lbs.	130	240	410
Per gallon	$		

WOLF'S HEAD, EXTRA HEAVY

Size of can	1 Gal.	5 Gal.
Per gallon	$	

Note: Extra Heavy not carried in stock in cans.

In Steel Drums

Approx. contents, gallons	15	30	55
Weight per drum, lbs.	130	240	410
Per gallon	$		

NOTE: Owing to market changes in prices of oils, we do not show lists, best prices will be quoted on application. An extra charge is made for steel drums, which may be returned for credit when empty.

Wolf's Head Pennsylvania Base Motor Oils are ready sellers with the best class of trade from Maine to California. Have better body, grade for grade, than any other oils on the market.

QUAKER STATE OILS

AN OIL WHICH MEETS ALL REQUIREMENTS

A scientific formula has been evolved for an oil which meets all the varied demands of motor lubrication. Quaker State Medium, the certified oil, is refined exactly on this formula. A chemist not in the employ of the refiners tests every "run" of the oil to make sure that no deviation from any detail of the formula has occurred in the refining process. He puts his seal on each can and barrel of Quaker State Medium sold, and this seal certifies to the following uniform lubricating qualities:

(1) The correct viscosity: maintained the most evenly throughout the wide range of working temperatures.
(2) Greatest resistance to evaporation and burning: "flash" and "fire" points 445 deg. and 500 deg. F.
(3) Easy starting in cool weather: cold test 25 deg. F.
(4) Least carbon deposited in the cylinders, has coke content of 30-100 of 1% (Conradson test) and almost no carbon residue.
(5) Slowest breaking down or sedimentation: absolute purity—no acids nor adulterations.

QUAKER STATE, MEDIUM

In Cans

Size of can	1 Gal.	5 Qt.	5 Gal.
Contents of case	12	6	2
Weight per case, lbs.	125	80	90
Per gallon	$		

In Steel Drums

Approx. Contents, gallons	15	30	50
Weight per drum, lbs.	140	240	410
Per gallon	$		

QUAKER STATE TRACTOR OIL

In Cans

Size of can	1 Gal.	5 Gal.
Contents of case	12	2
Weight per case, lbs.	125	90
Per gallon	$	

In Steel Drums

Approx. Contents, gallons	15	30	50
Weight per drum, lbs.	140	240	410
Per gallon	$		

QUAKER STATE, HEAVY

In Cans

Size of can	1 Gal.	5 Gal.
Contents of case	12	2
Weight per case, lbs.	125	90
Per gallon	$	

In Steel Drums

Approx. Contents, gallons	15	30	50
Weight per drum, lbs.	140	240	410
Per gallon	$		

600 TRANSMISSION OIL

In Cans

Size of can	1 Gal.	5 Gal.
Contents of case	12	2
Weight per case, lbs.	125	90
Per gallon	$	

In Steel Drums

Approx. Contents, gallons	15	30	50
Weight per drum, lbs.	140	240	410
Per gallon	$		

QUAKER STATE MOTORCYCLE OIL

In Cans

Size of can	1 Gal.	5 Gal.
Contents of case	12	2
Weight per case, lbs.	125	90
Per gallon	$	

In Steel Drums

Approx. Contents, gallons	15	30	50
Weight per drum, lbs.	140	240	410
Per gallon	$		

NOTE: Owing to market changes in prices of oils, we do not print lists, best prices will be quoted on application. An extra charge will be made for steel drums which may be returned for credit when empty.

CAR PUSHERS

EASY

Japanned, solid steel bar, tempered at points; malleable iron heel with extended lugs to prevent slipping; finest tool steel; triangular bit, grips rail firmly and prevents slipping back. Bit can be inverted and all three sides used. Steel spring prevents bit touching rail when not in actual operation. Each

No. 15—Length 5½ ft with extra triangular bit; wt each 20 lbs $13 50

No. 15B—Extra bits; wt each ½ lbs 81

Packed loose.

ATLAS

Japanned malleable iron frame and socket; finest tool steel square heel, can be inverted and all four sides used. Selected maple handle, varnished. By the compound lever arrangement the moving power is applied on the rim of the wheel so far from its contact with the rail that the moving force is utilized to roll it forward, instead of wasted in an effort to raise it from the track. Each

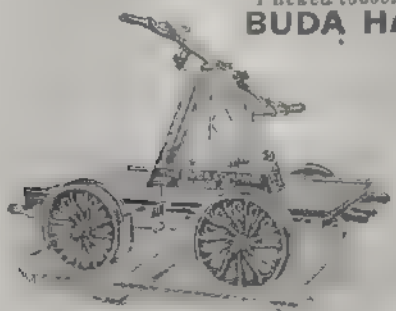
No. 10—Length over all 67 ins; complete with handle; wt each 15 lbs $16 50

Per Pair

No. 10B—Extra bits; wt each ½ lb $1 20

Packed loose.

BUDA HAND CARS



BUDA FOUNDRY AND MFG. CO.
Helical Cars.

Unless otherwise specified hand cars will be furnished with helical gears. The teeth are cut in a diagonal manner creating a continuous rolling contact.

Taper Wheel and Pinion Fit—Furnished with the im- [illegible] If straight fit is preferred, this fact should be specified when ordering.

Framework—Specially selected maple, thoroughly seasoned. Platforms or decking is of long leaf pine dressed on both sides to uniform thickness. Each

No. 1—Buda standard hand car, standard gauge, platform 6 ft long by 4 ft 5 ins wide; axles 1½ ins in diam; wheels 20 ins in diam; wt 525 lbs ..... +$285 00

HARVEY PUSH CARS

BUDA FOUNDRY AND MFG. CO.

Harvey push cars are made in the same thorough manner as the Buda hand cars described above, using the same pressed steel wheels taper fitted to axles, unless straight fit is specified on order. These cars can also be furnished with insulated axles for use on roads using block systems with track circuits. These are always extra and cars so desired should be specified on order, otherwise they will be shipped without insulation.

The framework is of specially selected maple thoroughly seasoned. Platform or decking is of long leaf pine, dressed on both sides to uniform thickness and has hardwood end rail at each end, bound with a substantial iron strap. Each

No. 4—Harvey push car, standard gauge, platform 7 ft long by 5 ft 6½ ins wide; axles 1½ ins in diam; wheels 20 ins in diam; wt 850 lbs ..... +$225 00

+F. O. B. Illinois Factory Only.

MINE CAR TRUCKS

PLAIN BEARINGS

Plain bore wheel with an oil recess around hub, designed for small cars of country mines. Set consists of 4 wheels and 2 axles.

Per Set

No. 1—Diam wheels 10 ins; 1½ in. square axle ..... +$79 80

Packed loose; wt per set 360 lbs.

Plain bore wheel. Designed for small cars only. Set consists of 4 wheels and 2 axles.

Per Set

No. 2—Diam wheels 10 ins; 1½ in. square axle ..... +$63 00

Packed loose; wt per set 200 lbs.

JACK SCREWS

Cast iron frame, wrought iron screw. Threads fine enough for power, and coarse enough for speed. Standards shaped to insure strength, used for raising buildings, cars, engines, boilers, locomotives etc.

No.	Each	Screw, Diam Ins	Stand. Height Ins	Overall, Ins	Cpy. Tons	Wt Lbs
1	$7 95	$4 25	1½	8	12	12	14½
2	8 55	4 75	1¾	10	14	12	17
3	9 45	5 25	1¾	12	16	12	19
4	10 35	5 75	1¾	10	14	16	22
5	11 25	6 25	1¾	12	16	16	26
6	12 15	6 75	2	10	14½	20	27
7	13 50	7 50	2	12	16½	20	29
8	14 85	8 25	2	14	18½	20	34
9	16 65	9 25	2	16	20½	20	38
10	18 60	10 25	2	18	22½	20	42
11	+20 40	11 50	2	20	24½	20	50
12	+25 65	14 50	2¼	22	27	24	59
13	+19 05	10 75	2⅛	12	18	28	40
14	+23 40	13 25	2⅛	16	22	28	55
15	+25 65	14 50	2⅛	18	24	28	62
17	+32 25	18 25	2⅛	24	30	28	72

LEVER JACKS

BARRET PATTERN

Malleable iron frame, forged steel rack, drop forged open [illegible] steel pawls, high carbon steel [illegible] pinion pin, hardened steel bearings, selected hardwood handles.

BARRET PATTERN
Double-Acting, Trip.

Recommended for track work only; able to quickly discharge its load to permit its immediate withdrawal. Lifts load on upward and downward strokes. Each

No. 1B—Capacity 10 tons; height bar down 24 ins; height bar raised 37½ ins; rise of bar 13½ ins; size of bar 1½x1½ ins $42 00

Packed loose; wt each 68 lbs.

+Mine Car Trucks—F. O. B. Indiana Factory Only.
+Jack Screws—F. O. B. Wisconsin Factory Only.

LEVER JACKS

BARRET PATTERN

Double Acting—Automatic Lowering.

No. 3B

No. 2B

For all around lifting purposes, and for use in machine shops, in traction line construction, etc. For high or low set loads. Lifts quickly, lowers gradually, both motions of handle move load half a notch up or down as set by eccentric at side, operates at any angle, and load can not be carelessly thrown, having no trip.

No. 2B—Capacity 10 tons; height bar down 21 ins; height bar raised 31 ins; rise of bar 10 ins; size of bar 1⅜x1½ ins; wt each 65 lbs. — Each $45 75

No. 3B—Capacity 12 tons; height bar down 26 ins; height bar raised 41½ ins; rise of bar 15 ins; size of bar 1¾x1⅝ ins; wt each 85 lbs. — 54 00

JOYCE-CRIDLAND

Lever jacks are especially suited for small and medium loads where the jack must be applied in various ways. The frames of the lighter models are of malleable iron accurately machined. Semi-steel frames are used for heavier duty, and in both instances the wearing surfaces are formed by bushings case-hardened in bone dust in an oil-fired furnace. Every Joyce-Cridland Jack is protected by a tempered steel hard plate back of the lifting bar. The lifting bars are high carbon steel forgings, the cap being solid with the bar. The pins are of high carbon steel, turned to a slight taper to prevent reaming the hole as it enters, then hardened and ground to a true fit to permit ease of lifting. The boxes or bearings for the lever pin are hardened steel. These bearings can be easily replaced at any time. The pinion is cast steel, with carefully milled teeth.

Round Base.

Nos.	1A	2A	4	4A
Capacity, tons	2	2	4	4
Ht bar down, ins.	16	18½	22½	18½
Rise of bar, ins.	8¼	10	14	10½
Size sq bar, ins.	1¼	1¼	1½	1½
Wt each, lbs	24	28	46	38
Each	+29 25	30 75	44 25	38 25
	$12 00	*12 00*	*17 00*	*15 00*

Packed loose.

Round Base.

Nos.	10	10A	6
Capacity, tons	10	10	15
Height bar down, ins.	27	22½	26½
Rise of bar, ins	16½	11½	14
Size square bar, ins.	1¾	1¾	2
Wt each, lbs.	76	68	94
Each	+58 50	+58 50	+75 00
	$24 00	*24 00*	*30 00*

Packed loose.

Track, Square Base.

Nos.	92	94
Capacity, tons	10	15
Height bar down, ins.	22½	37
Rise of bar, ins.	14	16
Size square bar, ins.	1½	1¾
Wt each, lbs.	37	80
Each	43 50	+63 00
	$16 00	*24 00*

Packed loose.

+F. O. B. Ohio Factory Only.

SCREW JACKS

JOYCE-CRIDLAND

Bell Base, Six-Way Head.

Showing 6-Way Head.

Joyce-Cridland Screw Jacks of all types have screws of the best machinery steel. The threads are half square, half "V" with square side to the load, and are milled instead of cut in dies.

The lever can be applied from six positions and need only be swung through an arc of 60°, nor is the screw weakened as where holes are drilled through the stem at right angles to each other.

These jacks have a closed flat base and will not cut rings into the blocks on which they are placed.

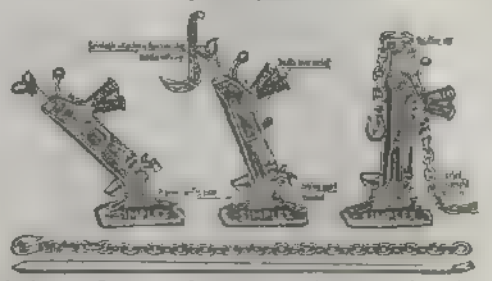
Nos.	101	102	103	107
Capacity, tons	12	12	12	12
Ht bar down, ins.	10	12	14	22
Diam screw, ins.	2	2	2	2
Rise of screw, ins.	4½	6½	8½	16
Wt each, lbs.	22	26	30	45
With Six-Way Head, Each	+22 95	+25 50	+28 20	+36 00
	$9 00	*10 00*	*11 00*	*14 00*
With Spring Ratchet, Each	+29 25	+32 25	+34 50	+43 50
	$11 50	*12 50*	*13 50*	*16 50*

Nos.	111	112	113	120	121
Capacity, tons	15	15	15	25	25
Height bar down, ins.	10	12	14	10	12
Diam screw, ins.	2¼	2¼	2¾	2½	2½
Rise of screw, ins.	4½	6	8	5½	5½
Wt each, lbs.	25	28	34	45	50
With Six-way Head, Each	+25 50	+28 20	+30 75	+36 00	+42 00
	$10 00	*11 00*	*12 00*	*14 00*	*15 50*
With Spring Ratchet, Each	+32 25	+34 50	+37 50	+42 75	+48 00
	$12 50	*13 50*	*14 50*	*16 75*	*18 25*

Packed loose.

EMERGENCY JACKS

SIMPLEX



Double Lever Socket, Automatic Raising And Lowering. Universal Lifting And Pushing.

Malleable standard and base, drop forged steel working parts. It pivots on its base and can be operated at any angle or vertically. The auxiliary steel claw and steel chain permit of grappling loads in awkard or restricted positions. It is invaluable for pushing or moving heavy machinery, re-railing cars, extricating stalled motor trucks and general utility service. Used extensively by steam and electric railways, contractors, lumber mills, oil well operators, public utilities, transfer companies and industries.

Furnished complete with 5 foot steel chain, steel auxiliary shoe and 5 foot steel bar.

Each

No. $310—Capacity 15 tons; height 20½ ins; lift 12½ ins. — $97 50

Packed loose; wt each 55 lbs.

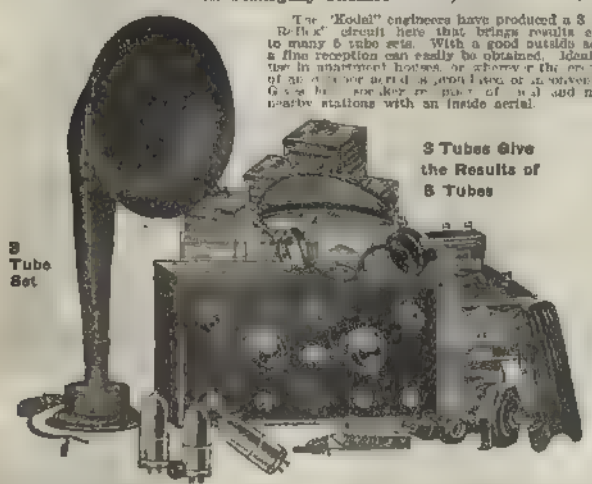
+F. O. B. Ohio Factory Only.

RADIO

Radio Sets and Supplies that measure up to a high standard—and the prices are rock-bottom. A merchant needs only one set for demonstration purposes and "Our Drummer" at his elbow to hook-up with one of the biggest money-making opportunities in today's merchandise field. We carry the stocks and you send us your orders as you make sales.

Kodel "C113" Set and Outfit

In Mahogany Cabinet



The "Kodel" engineers have produced a 3 tube Reflex circuit here that brings results equal to many 5 tube sets. With a good outside aerial a fine reception can easily be obtained. Ideal for use in apartment houses, or wherever the reception of the average aerial is poor. Tuning or receiving set is so simple that even a child can operate it. Gets broadcasting stations of real and many distant stations with an inside aerial.

Mahogany cabinet, 13 in. long, 7 in. high, 6½ in. wide; genuine formica panel. Circuit consists of "Kodel" detector unit, 1 stage of radio frequency amplification, 1 stage of audio frequency amplification. The reflex circuit permitting 3 tubes to do the work of 5. All binding posts are on rear of cabinet for straight panel wiring. Internal wiring all of flexible tinned copper wire insulated with varnished cambric tubing. Complete instructions with each set.

Receiving Set Without Any Equipment

1H6270—Kodel "C113" 3 tube receiving set.
Retails for $31.50

3 or more, Each **$22.05** Each **$23.63**

Complete Receiving Outfit

1H6271—Kodel "C113" 3 tube receiving set with the following equipment which makes a complete receiving outfit

3 Tubes, C13
4 "Red Seal" dry batteries
1 "Federal" 45 volt "B" batteries
1 "C" battery 4½ volts
1 "Manhattan Jr." loud speaker
1 Pair "Federal" headphones 2,000 ohms.
1 Grid leak
1 Aerial outfit

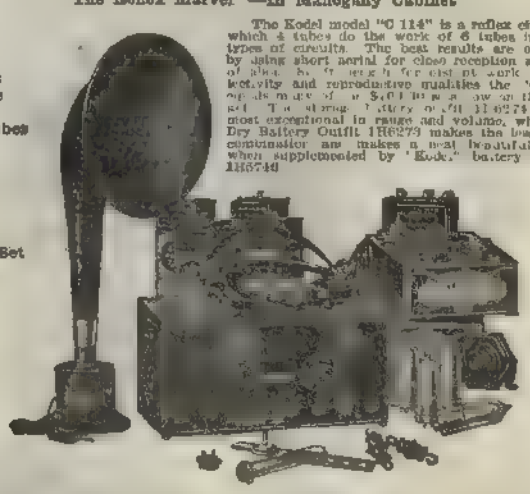
3 or more, Each **$46.00** Each **$47.60**

Important Notice

During the Summer season, from May to September we have reduced our catalogue showing of radio. Should you desire anything not listed in the catalogue, kindly refer to our APRIL book, where you will undoubtedly find it. As usual, the cost will be in accord with prevailing market prices—your orders will receive our usual prompt attention.

Kodel "C114" Set and Outfit

"The Reflex Marvel"—In Mahogany Cabinet



The Kodel model "C 114" is a reflex circuit in which 4 tubes do the work of 6 tubes in other types of circuits. The best results are obtained by using short aerial for close reception and one of about 50 feet length for distant work. In selectivity and reproductive qualities the "C 114" equals many of the $401.00 sets now on the market. The storage battery outfit 1H6274 is the most exceptional in range and volume, while the Dry Battery Outfit 1H6273 makes the best bulky combination and makes a neat beautiful outfit when supplemented by "Kodel" battery cabinet 1H5748.

Mahogany cabinet 13 in. long, 7 in. high, 7 in. wide. Circuit consists of "Kodel" detector 1 stage of tuned radio frequency, 2 stages of audio up to 6 and 1 stage of reflex audio and 1 detector. The reflex circuit permits of 4 tubes to do the work of 6. All binding posts are on rear of cabinet for straight panel wiring. Internal wiring all of flexible tinned copper wire insulated with varnished cambric tubing. Complete instructions with each set.

Receiving Set Without Any Equipment

1H6272—Kodel "C114" 4 tube receiving set
Retails for $36.00

3 or more, Each **$25.20** Each **$27.00**

Complete Dry Battery Receiving Outfit

1H6273—Kodel "C114" 4 tube receiving set with the following equipment which makes a complete receiving outfit

4 Tubes, C12
4 "Red Seal" dry batteries
2 "Federal" 45 volt "B" batteries
2 "C" battery 4½ volt
1 Pair "Federal" headphones
1 "Manhattan Sr." loud speaker
1 Grid Leak
1 Outside antenna outfit

3 or more, Each **$59.00** Each **$60.70**

We recommend the use of battery cabinet 1H5748 with the two above sets in order to simplify the operation and improve their appearance.

Complete Storage Battery Receiving Outfit

1H6274—Kodel "C114" 4 tube receiving set with the following equipment which makes a complete receiving outfit:

4 Tubes, 201A
1 6 ohm battery, 6 volt, 90 amperes.
2 "Federal" 45 volt "B" batteries.
1 "C" battery, 4½ volts.
1 Pair "Federal" headphones.
1 "Manhattan Sr." loud speaker.
1 Grid leak
1 Outside antenna outfit

3 or more, Each **$71.15** Each **$73.85**

Gets "Distance" On the Loud Speaker

5 Tube Set

Freshman "Masterpiece" Set and Outfit

Tuned Radio Frequency—Mahogany Cabinet—Non-Oscillating

Made by The Charles Freshman Co. The "Masterpiece" fits its name in every detail. A radio frequency set that is simple in construction and both easy and economical to operate. Receiving range 2,000 miles under favorable conditions. Excels in tone quality and faithful reproduction—very selective. The solid mahogany cabinet makes a beautiful addition to the furnishings of any home.

Genuine solid mahogany cabinet, 17½ in. long, 8 in. high, 9 in. wide, bakelite panel, 3 bakelite dials. Circuit consists of detector and 2 stages each of radio and audio frequency. Oscillation within the set is prevented by the improved neutrodyne circuit, wherein have been employed a special coil having a winding in which the primary and secondary are interwoven. This feature coupled with an improved low loss variable condenser makes one of the lowest loss units ever devised. Entire assembly is on the sub panel thus eliminating all body capacity and panel leakage, complete instructions with each set.

Receiving Set Without Any Equipment

1H6283—Freshman "Masterpiece" 5 tube receiving set.

Each [illegible] Lots of 3, Each [illegible]

Complete Receiving Outfit

1H5958—Freshman "Masterpiece" 5 tube receiving set 1H6283 with the following equipment which makes a complete receiving outfit

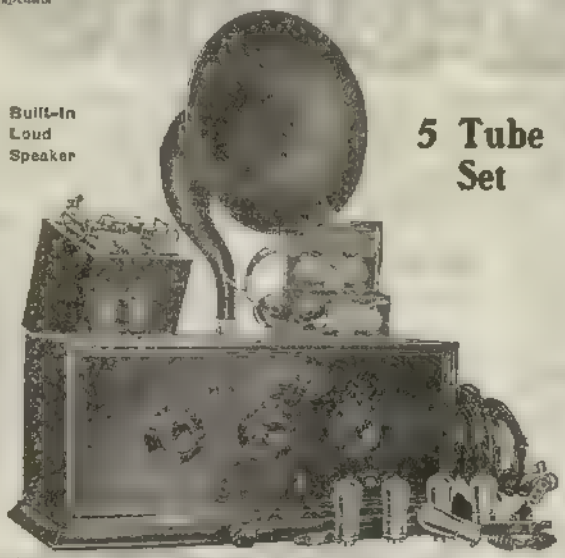
5 "Kodel" tubes, UX-201-A
1 6 volt storage battery 6 volt 90 amperes
2 "C" batteries 45 volts each.
1 Pair Murdock headphones 3,000 ohms.
1 Manhattan Sr." loud speaker
1 Antenna outfit

Each [illegible]

"Murdock" Neutrodyne Set and Outfit

NEW FEATURE "C" Battery to Cut Down "B" Battery Consumption

Twenty years of exclusive radio manufacture have enabled the William J. Murdock Company to produce through superior engineering and volume production the first 5 tube Neutrodyne set to retail for $100. This model includes a special improved type built-in loud speaker.



Set has many new features. Cabinet is mahogany finish, 27 in. long, 13 in. wide, 12½ in. high, and is roomy enough for "B" batteries. It has a recess for 45 volt "C" battery. Loud speaker is built in. Two variable condensers, special Neutrodons are built in. Tuning dials, illuminated, are panel mounted, type. Effective sound insulation is provided between loud speaker and receiving set, thus eliminating all whine or howl. Entire unit mounted on adjustable rubber cushioned feet, eliminating all vibration.

RECEIVING SET

Built-in Loud Speaker and Phone Plug.

1H4509—New "Murdock" 5 tube Neutrodyne receiving set with built-in loud speaker and phone plug only. Retails at $100.00. Each **$65.75**

Complete Receiving Outfit

1H4511—New "Murdock" 5 tube Neutrodyne receiving set with built-in loud speaker and the following equipment:

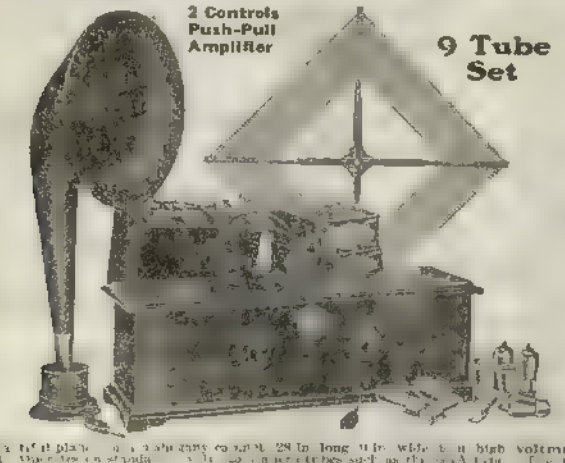
5 tubes, 3 A type
1 pair "Murdock" headphones
1 pair "Murdock" loud speaker
1 antenna outfit.
45 volt "B" batteries
6 volt "A" battery
1 plug volt "C" battery

Each **$101.00**

"Stanwood" Super-Heterodyne 9 Tube Set and Outfit

Voltmeter in Panel to Indicate Tube Voltage

A unique instrument involving but 2 controls. The super-heterodyne principle is superior to any other circuit in use today. The foremost features are: ease of operation, 2 super detector, 3 elimination of the outdoor aerial, combined with a marvelously selective, natural sound reproduction system, perfected through the push-pull amplifier. Money and labor have not been spared in an effort to achieve the height of perfection in this set. Complete instructions with each set.



Panel is of black fibre, and is 28 in. long, 9 in. wide, and 8 in. high. Voltmeter in panel shows exact voltage of tubes, thus enabling you to keep each tube at its most efficient point. This eliminates guesswork and gives better results. Uses one-half per tube than on outfits employing tubes of the 5 volt variety. Signal strength is greater and gives longer range.

Receiving Set With "C" Battery Only

1H9806—Stanwood 9 tube push-pull super-heterodyne receiving set with built-in loud speaker and battery cut-in. Retails for $250.00. Each **$152.50**

Complete Receiving Outfit

1H9811—Stanwood" 9 tube push-pull super-heterodyne receiving set with the following equipment which makes a complete receiving outfit:

9 tubes, 201A type
1 storage battery, 6 volt, 120 ampere.
1 pair "Murdock" headphones
1 pair "Murdock" loud speaker
1 antenna outfit.
Necessary hook-up wire.

Each **$213.75**

IMPORTANT NOTICE

All radio outfits and supplies are carefully inspected and tested before shipment and should be mechanically and electrically perfect when received. If, for any reason, radio supplies received seem defective or not as bought, write us for instructions. A slight exchange of letters will in most cases correct the difficulty.

We are unable to accept the return of radio goods unless and until you have written us for shipping instructions. This is in your interest as well as our own. All goods found defective after test will be replaced without charge but cannot be accepted for credit or purchases of other material.

"Ureco" Improved Tubes

Made by the United Radio and Electric Co. from highest grade materials by skilled workmen. You can definitely depend upon "Ureco" tubes for superior performance in broadcast reception. Each in carton to prevent breakage.

"OUR GUARANTEE"

All "Ureco" Tubes are carefully inspected both at the factory and in our own laboratory by testing a perfect tube but should you receive a "Ureco" Tube that does not meet with your approval we will exchange it or credit you with the amount as you wish. If tubes, they are returned to us within five days after receipt. We will replace any tube except when the glass is broken or the filament burned out.

All tubes must be tested immediately upon receipt of same if any claim whatever is to be made. We will not accept return of a tube for inspection unless it is contained in the original carton and our five days return policy is observed.

1H5810—(Mfrs U139) 3 volt detector or amplifier tube, requires dry cell or battery of 3 volts. Operates 8 to 10 volts may be used, but if so plate voltage should be reduced using a No. 6 dry cell. A resistance of 30 ohms is necessary. Used with Special small socket or with adapter. 1 in carton. Each **$1.80**
Lots of 6, Each **1.70**
Lots of 12, Each **1.60**

1H5815—(Mfrs U200) 5 to 6 volt detector only tube, consumption 1.00 amperes. Operates on storage battery with a critical plate voltage 8 to 10 volts being required. 1 in carton. Each **$1.80**
Lots of 6, Each **1.70**
Lots of 12, Each **1.60**

1H5820—(Mfrs 201A) 5 to 6 volt detector or amplifier tube consuming .25 amperes. For use with any battery that is adequate for the current and it will work equally well with storage battery. Used for detector and amplifier. 1 in carton. Each **$1.80**
Lots of 6, Each **1.70**
Lots of 12, Each **1.60**

1H5800—(Mfrs U11) 1½ volt detector or amplifier tube especially designed for dry cells, more than 1 cell must not be used. Uses plate voltage ranging from 20 to 100 volts. For use with special socket or in standard socket with adapter. Has extremely long life. 1 in carton. Each **$1.80**
Lots of 6, Each **1.70**
Lots of 12, Each **1.60**

1H5801—(Mfrs U12) 1½ volt detector or amplifier tube same as U11 1H5800 except that it has 6 prongs, with standard base for use with standard socket. 1 in carton.
Each **$1.80**
Lots of 6, Each **1.70**
Lots of 12, Each **1.60**

LOUD SPEAKERS

"Manhattan Jr."

1H9745—Has built-in 10 in. diam. fiber composition horn, heavy metal base, special "Manhattan" reed operated modulator in base with patented adjusting feature. One of the most attractive $10.00 loud speakers on the market. 1 in carton. Each **$6.00**

"Manhattan"—2555

1H9787—30 in. high bell 14 in. diam. fiber composition horn, heavy metal base, special flare composition horn. Performs satisfactorily to the extreme ends of the musical scale. Equipped with "Manhattan" modulator. Can be adjusted to suit relation to the number of tubes and varying strength of the "B" battery, with 5 ft. of silk cord and standard "Pacent" plug. 1 in carton. Each **$11.70**

HEADPHONES

"Pacent"

"Pacent"—Well constructed drawn aluminum shell, large size, comfortably constructed magnet, tested and matched for tone, metal parts nickel plated, cloth covered head bands, moisture proof cord. 1 set in box.

1H8344 — 2,200 ohms. . . Set **$2.75**
3 or more, Set **2.60**

1H8345 — 3,000 ohms . . Set **$2.95**
3 or more, Set **2.85**

"Murdock"

"Murdock"—(Mfrs 55) Best quality steel bi-polar magnets, metal parts nickel plated, phosphor bronze flat spring head band covered with black mercerized cotton webbing, regulation phone cord.

1H8351 — 2,000 ohms . . Set **$3.00**
3 or more, Set **2.70**

1H8352 — 3,000 ohms . . Set **$3.40**
3 or more, Set **3.00**

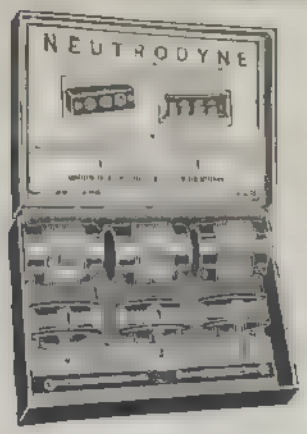
"Manhattan"

1H0738 "Red Seal," 2,200 ohms resistance, special high carbon steel core maintains sharpness of the special Swedish steel diaphragms, metal parts nickel plated, cloth cover, special moisture proof head bands, extra heavy cord. 1 set in box. Set **$4.20**

"Federal"

1H9962 Mfrs. Western Electric "Federal" 7 A type. Light weight, extra special parts, perfect tone, long distance. Head band is adjustable to any size head. Cords are 4 ft. long, moisture proof cord. Each tested and matched for tone. 1 set in box.
Set **$5.00**
6 or more, Set **4.75**

RADIO SETS AND PARTS



SET OF SPECIAL PARTS FOR NEUTRODYNE CIRCUITS

Contains the essential parts required for the Neutrodyne Set, three Neutrodyne coils mounted on variable condensers, and one double Neutrodon or capacity balance neutralizing adjustment device. Complete wiring diagram for the three and five tube Neutrodyne sets with complete instructor.

	Each
No. Model 350—Wt each 8 lbs	56 25
	$25 00

One in an attractive display cardboard box.

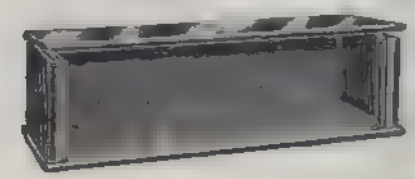
INSTRUCTION BOOK AND BLUE PRINT FOR BUILDING NEUTRODYNE RECEIVERS

Complete instructions for building a five tube Neutrodyne set, list of broadcasting stations, giving meter lengths and radio map.

	Each
No. 18-BP—Book contains 32 pages, size 8½x11 ins; size blue print 20½x40 ins	2 25
	$1 00

One in envelope; wt each ½ lb.

CABINETS ONLY, FOR RADIO SETS



Five-ply walnut veneered. For mounting home built radio receivers.

Length 30 inches; depth 9 inches; height 7 inches.

	Each
No. 3097W—Antique walnut finish	+$18 00
No. 3097M—Mahogany finish	+18 00

One in carton; wt each 12 lbs.

For No. KD50 and Model 350 Neutrodyne receiver parts.

Length 27 inches; depth 9 inches; height 7 inches.

	Each
No. 2797W—Antique walnut finish	+$17 25
No. 2797M—Mahogany finish	+17 25

One in carton; wt each 11½ lbs

Length 26 inches; depth 7 inches; height 7 inches.

	Each
No. 2677W—Antique walnut finish	+$16 50
No. 2677M—Mahogany finish	+16 50

One in carton; wt each 10 lbs

Length 21 inches; depth 7 inches; height 7 inches.

	Each
No. 2177W—Antique walnut finish	+$14 25
No. 2177M—Mahogany finish	+14 25

One in carton; wt each 8½ lbs

Length 18 inches; depth 7 inches; height 7 inches.

	Each
No. 1877W—Antique walnut finish	+$14 25
No. 1877M—Mahogany finish	+14 25

One in carton; wt each 8 lbs.

Length 14 inches; depth 7 inches; height 7 inches.

	Each
No. 1477W—Antique walnut finish	+$12 30
No. 1477M—Mahogany finish	+12 30

One in carton; wt each 7 lbs.

Length 12 inches; depth 7 inches; height 7 inches.

	Each
No. 1277W—Antique walnut finish	+$11 40
No. 1277M—Mahogany finish	+11 40

One in carton; wt each 6½ lbs.

Length 10 inches; depth 7 inches; height 7 inches.

	Each
No. 1077W—Antique walnut finish	+$9 90
No. 1077M—Mahogany finish	+9 90

One in carton; wt each 5½ lbs.

Length 9 inches; depth 7 inches; height 7 inches.

	Each
No. 977W—Antique walnut finish	+$9 00
No. 977M—Mahogany finish	+12 00

One in carton; wt each 5 lbs.

+F. O. B. Kentucky Factory Only.

RADIO SETS AND PARTS

REGENERATIVE RECEIVING SETS COMPLETE VACUUM TUBE TYPE RADIOLA

RADIOLA VII-B

A five tube dry battery operated regenerative couple-circuit receiver, has 2 stages of tuned radio frequency and 2 stages of audio frequency amplification, highly selective and sensitive, provides reception over extraordinarily long distance when used with carefully constructed outdoor aerial having low resistance losses. Properly installed, Radiola VII-B will receive coast to coast reception on a loud speaker. Self-contained loud speaker enclosed in beautiful finished mahogany cabinet, space provided in cabinet for necessary dry batteries.

The antenna furnished with this set includes everything necessary; 150 feet of stranded copper wire, 25 feet No. 14SBRC lead in wire, 20 feet No. 18 rubber covered ground wire, 1 No. 200 lightning arrester, 1 No. 708 battery switch, 2⅞x6 inch porcelain tubes 8 No. 1NC porcelain knobs, 2 screw eyes, 1 ground clamp, 2 No. 500 insulators, 1 connector and 12 insulated staples. Set includes the following:

	Each
No. VII-B—Receiver including built in loud speaker and 6 only UV199 tubes	605 25
	$269 00
No. 66—"A" Batteries (6 only)	90 *60*
No. 767—"B" Batteries (2 only)	7 86 *3 75*
No. 750—Bias Batteries (2 only)	54 *30*
No. BGA—Antenna equipment	12 00 *6 00*
	Per Set
No. VIIB-C—Complete	639 45
Carefully packed in cartons; wt per set 90 lbs.	*$285 10*

RADIOLA SUPER-HETERODYNE

Radio Corporation of America. Operating Distance 2000 Miles.

An instrument destined to achieve universal popularity among those who desire an equipment that can be moved from place to place, and requires neither aerial nor earth connector.

A self contained loop of the rotary type is housed in a semi-portable cabinet with self contained fixed loop of small dimensions. Space is provided in the cabinet to accommodate all the necessary dry batteries.

The loud speaker is mounted externally. A leather handle provides portability. This receiver operates a loud speaker during favorable periods of the year up to 2000 miles, but with a suitable external loop will provide a performance of 3000 miles. May be carried from room to room or transported from point to point in automobile and actually operated while the automobile is in motion.

Set includes the following:

	Each
No. SH—Receiver, with (6 only) UV 199 tubes and UZ 1325 Loud Speaker	605 25
	$269 00
No. 771C—Battery (1 only)	1 26 *60*
No. 772B—Batteries (2 only)	7 86 *3 75*
No. 66A—Batteries (6 only)	90 *50*
No. AG814—Indoor Loop	25 20 *12 00*
	Per Set
No. SH-C—Complete	652 83
Carefully packed in cartons; wt per set 50 lbs.	*$292 10*

D 5

RADIO SETS AND PARTS

RADIOLA VIII DE LUXE

Radio Corporation of America. Operating Distance 3000 Miles.

A six tube dry battery operated Super-Heterodyne, utilizing a new principle, the second Harmonic oscillator, yet simplified for everybody's operation. Only two tuning controls need manipulation to bring in the entertainment from local and far distant stations. Local broadcast stations need only be heard when desired, for the Super-Heterodyne provides selectivity unattained by any other known principle. Programs of far distant stations can be heard even when several local stations are in operation provided there is a difference in wave length between the distant and local station.

Radiola VIII requires neither aerial or earth connector. A self contained loop of the rotating type mounted in the base of cabinet does the trick, giving good speaker volume over long distances and during favorable periods of the year a range of reception up to 3000 miles is possible.

It comes ready to operate and calls for no initial installation expenses. Merely insert the tubes, connect up the dry batteries and rotate the tuning dials. Built with new amplifying transformers, resulting from new discoveries which accentuate the lower base notes and the higher treble tones giving purer and better reproduction.

It is a receiver of the non-radiating type permitting several sets to be operated in the same room each tuned to a different station.

An attractive beautifully finished cabinet providing easy accessibility and a host of other features tending toward better and easier operation.

Set includes the following:

		Each
No. RVIII—Receiver, including six UV199 radiotrons, built in loud speaker, less batteries		956 25 *$435 00*
No. 771C—Battery (1 only)	1 26	*60*
No. 767B—Batteries (2 only)	7 86	*3 75*
No. 66A—Batteries (6 only)	90	*50*
		Per Set
No. RVIII-C—Complete		978 63
Carefully packed in carton; wt per set 175 lbs.		*$436 10*

RADIOLA III A

Radio Corporation of America.

A four tube regenerative receiver consisting of the Radiola III and the Radiola III balanced amplifier mounted in one unit.

This receiver combines all of the latest improvements known in single circuit regenerative receivers.

The antenna includes everything necessary: 175 feet copper welded antenna wire, 50 feet No. 14 lead in wire, 25 feet No. 14 ground wire, 1 protector, 3 strain insulators, 1 porcelain tube, 3 screw eyes, 6 split knobs, 12 insulated staples, 8 wood screws and 1 ground clamp.

Set includes the following:

		Each
No. IIIA—Receiver, including 4 No. WD11 tubes and head phones, less batteries		162 00 *$75 00*
No. 767B—Battery (2 only)	7 86	*3 75*
No. 66A—Battery (4 only)	90	*50*
No. 771C—Battery (1 only)	1 26	*60*
No. CA—Antenna equipment	6 00	*3 00*
		Per Set
No. IIIA-C—Complete	182 58	*$78 10*
Carefully packed in cartons; wt per set 25 lbs.		

RADIO SETS AND PARTS

RADIOLA III

Radio Corporation of America. Operating Distance 1500 Miles.

A two-tube regenerative receiver, dry battery operated of an improved type. Will operate a loud speaker on local stations and on long distance stations during favorable months of the year; with head phones will receive up to 1500 miles. Selective tuning adjustment enabling the broadcast listener to select one of a group of local stations without overlapping but by merely changing the position of switch, broader tuning and greater sensitiveness are provided, permitting reception from distant stations.

The antenna includes everything necessary: 175 feet copper weld antenna wire, 50 feet No. 14 lead in wire, 25 feet No. 14 ground wire, 1 protector, 3 strain insulators, 1 porcelain tube, 3 screw eyes, 6 split knobs, 12 insulated staples, 8 wood screws and 1 ground clamp.

Set includes the following:

		Each
No. III—Receiver, with two WD11 tubes and one pair head phones		84 00 *$35 00*
No. 767B—Battery (1 only)	7 86	*3 75*
No. 66A—Battery (3 only)	90	*50*
No. CA—Antenna equipment	6 00	*3 00*
		Per Set
No. RIII-C—Complete	100 56	*$43 25*
Carefully packed in carton; wt per set 18 lbs.		

BALANCE AMPLIFIERS

For Radiola III.

	Per Set
No. IIIBA—A two tube improved amplifier unit of the push pull type which when added to Radiola III constitutes a four tube receiver	72 00 *$30 00*
Carefully packed in carton; wt per set 12 lbs.	

FOUR PHONE PLUG ADAPTERS

For Radiola III

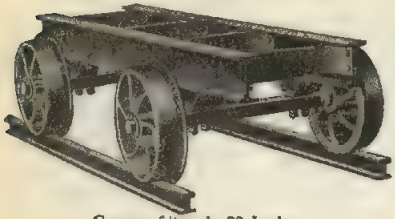
The prongs are so designed that they fit the phone holes in face of panel on case of Radiola III, and will accomodate any number of head sets from 1 to 4, all in series.

The cord tips are securely held in holes in the front by an improved spring grip which makes good contact with tips of any size.

	Each
No. 624—Diam contact prongs 3/32 in; length 3/4 in; 1 in. centers	$2 10
One in cardboard tube, 10 tubes in stand pkg; wt each 2 ozs.	

No. 33 Steel Billet Car

Capacity, 2 Tons
For Iron or Steel Billets, Etc.



Gauge of Track, 30 Inches

Designed especially for handling light billets in iron and steel mills. Frame of 6-inch steel I-beams, length, 7 feet; width, 20 inches; four double cross trusses of steel, 2½x½ inches, riveted together; V-shaped at ends, and double riveted to side sills, as shown in cut; steel axles 2 inches square, wheels 16 inches diameter. Weight, 740 pounds.

Prices on application.

Standard Mining Cage

Size of Platform About, Feet	Capacity, Pounds	Weight, Pounds	Price
4x4	6,000	850	Prices on application
4x6	6,000	1,400	

Colorado Landing Chairs

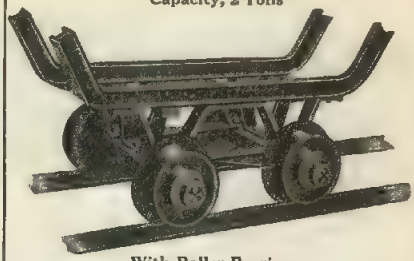
Working Parts of Forged Steel

Medium, weight, 400 pounds. Heavy, weight, 500 pounds.

Prices on application.

No. 720 Ingot Cars

For Copper or Other Metal Ingots and Billets
Capacity, 2 Tons



With Roller Bearings

Gauge of track, 18 inches; roller bearings of cold drawn steel; length between rails at top, 47 inches; width outside rails at top, 14½ inches; height from rail to top of T-rack, 27½ inches; rack, 20-pound T-rails; cross and side axle brackets, 2½x½-inch steel; steel axles, 2¼ inches square; wheels solid web chilled face; diameter, 9 inches; face, 3¼ inches; cold drawn steel rollers, ⅝x4 inches, 12 in each bearing. Weight 475 pounds.

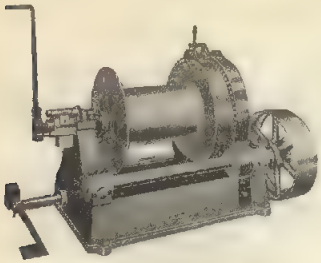
Prices on application.

Mining Cage, Leadville Type

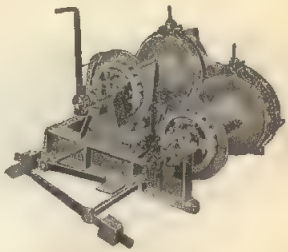
Built entirely of mild steel and Norway iron. All joints machined and fastened together with turned steel bolts, no rivets used. The highest type of cage for severest service.

Single-deck cage, weight 1,400 pounds. Double-deck cage, weight 2,000 pounds.

Prices on application.



Single Drum—Fig. G-1416



Double Drum—Fig. G-1417

"Mundy" Friction Drum Belt Hoists

With Band Foot Brakes

Can be belted to any power. Adapted for derricks, pulling cars, concrete and other miscellaneous hoisting. For general description of the Mundy Cone Friction Drum see preceding page.

Lifting Capacity With Single Rope, Lbs.	Single Drum Hoist			Double Drum Hoist			Size of Drum		Proportion of Gearing		Size of Pulley	
	Size No. of Hoist	Shipping Weight in Lbs.	Prices Quoted upon Application.	Size No. of Hoist	Shipping Weight in Lbs.	Prices Quoted upon Application.	Diam. In.	Length In.	Teeth in Pinion	Teeth in Gear	Diam., In.	Face, In.
1000	1025	900		1025½	1800		8	16	14	57	16	6
2000	1026	1200		1026	2200		10	20	14	60	20	6
2500	1027	2000		1027	3000		12	22	15	64	22	6
4000	1028	2500		1028	3500		14	24	15	64	24	6
5000	1030	2600		1040	4200		14	26	13	62	26	8
6500	1032	3200		1042	5000		16	30	12	57	30	8
8000	1034	4000		1044	6100		16	30	12	53	36	10
10000	1036	6000		1046	8000		18	30	13	66	40	12

We can supply Belted hoists with reversing friction swinging drums for derrick or excavator work---prices quoted upon request.

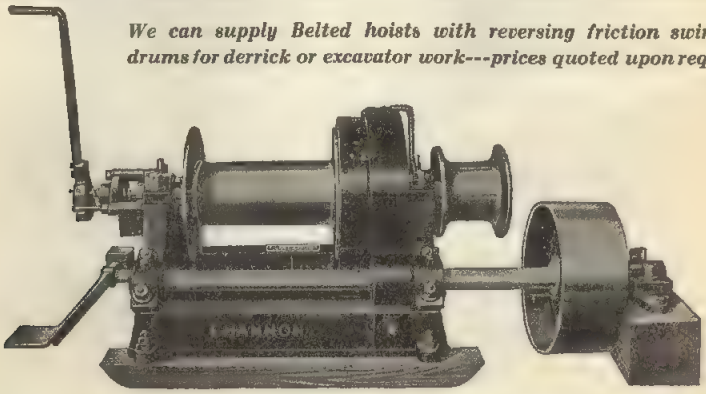


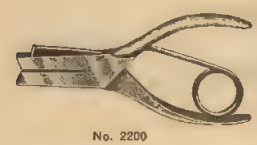
Fig. G-1418

Hoist equipped for pile driving with turned winch head and extended pulley shaft having outboard bearing. The drum is used for the hammer line and the winch head for the pile line. Belted to a gasoline engine, this makes a popular outfit for light work, requiring frequent moving. Extra price sizes 1025 to 1028.....Prices Quoted upon Application.

We carry an immense stock of machinery of all kinds in our Chicago warehouse.

PUNCHES

TICKET

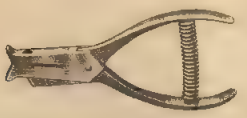


No. 2200

Full nicke. plated, assorted fancy designs

No.	Length	Reach	Wt. each	Each
2200	4 ⅝ in.	⅝ in.	4 ozs.	$1.50

Six in a box.



No. 1111

Full nickel plated, assorted fancy designs.

No.	Length	Reach	Wt. each	Each
1111	4 ⅝ in.	⅝ in.	4 ozs.	$1.80

Six in a box

No. 2573

Full nickel plated, assorted fancy designs, hardened and tempered steel dies Open sight extra wide at bottom of slot.

No.	Length	Reach	Wt. each	Each
2573	6 in.	1 in.	6 ozs.	$2.00

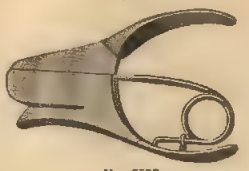
Six in a box.

No. 2570

Full nickel plated, assorted fancy designs, hardened and tempered steel dies

No.	Length	Reach	Wt. each	Each
2570	6 in	2 in.	8 ozs	$3.00

Six in a box.

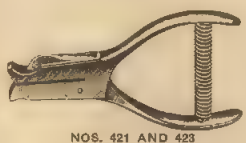


No. 2590

Full polished and nickel plated, assorted fancy designs, hardened and tempered steel dies

No.	Length	Reach	Wt. each	Each
2590	5 in.	1 in.	6 ozs.	$4.00

One in a box.



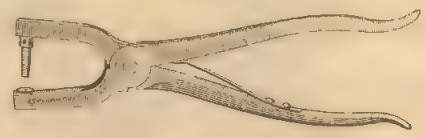
NOS. 421 AND 423

Full polished and nickel plated, assorted fancy designs. Strictly high grade

No	Length	Reach	Wt each	Each
421	4 ½ in	1 in	6 ozs.	$2.80
423	4 ½ in.	1 ⅛ in	6 ozs.	$3.00

One in a box.

SPRING



No. 101

Clean Cut

Extra quality, full polished, knurled handles. Each punch is carefully tested before leaving factory and is fully warranted.

No.	Length	Wt each	Each
101	8 in.	12 ozs.	$1.50
Extra Tubes		1/12 oz.	.35

Six in a wooden box.

RIVERSIDE

Cast steel, polished, blued tubes.

No.	Length	Wt each	Each
21	8 in.	10 ozs.	$1.00
Extra Tubes		1/12 oz.	.20

Six in a box.

CUTTING NIPPERS

PEXTO IMPROVED

NOS. 0-P TO 5-P

Improved Nettleton Pattern

Jaws are reversible and interchangeable. Drop forged, tool steel jaws hardened and tempered.

Nippers

	No.	Length	Wt. each	Each
Pexto	0-P	14 in.	3 ⅝ lbs.	$6.20
	1-P	12 in.	2 ¼ lbs.	5.00
	3-P	10 in.	1 ⅞ lbs.	4.80
	4-P	8 in.	1 lb.	4.00
	5-P	6 in.	⅝ lb.	3.50

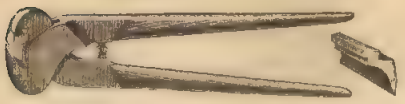
Two in a box.

Extra Jaws

	For No.	Wt. per pair	Per pair
Pexto	0-P	2 ozs.	$2.70
	1-P	1 ½ ozs.	2.10
	3-P	1 ¼ ozs.	1.90
	4-P	1 oz.	1.50
	5-P	1 oz.	1.20

One pair in a package

CAREW'S PATENT



Forged from crucible steel. Jaws are hardened and tempered.

Nippers

	Length	Wt. each	Each
Carew's	8 in.	1 ½ lbs.	$6.50
	10 in.	1 ¾ lbs.	7.00
	12 in.	2 ½ lbs.	8.00
	14 in.	3 ¾ lbs.	9.60

One in a package

Extra Jaws

	For	Wt. pair	Per pair
Carew's	8 in.	1 ½ ozs.	$1.90
	10 in.	2 ozs.	2.00
	12 in.	2 ozs.	2.20
	14 in.	2 ozs.	2.40

One pair in a package

TODD'S PATENT

NOS. 1-T TO 6-T

Forged from best cast steel. Jaws hardened and properly tempered.

Nippers

	No.	Length	Wt. each	Each
Todd's	1-T	12 in.	2 lbs.	$5.20
	2-T	11 in.	1 ¾ lbs.	4.60
	3-T	10 in.	1 ½ lbs.	4.00
	4-T	8 in.	1 lb.	3.50
	6-T	6 in.	¾ lb.	3.00

One in a package

Extra Jaws

	For No.	Wt. per pair	Per pair
Todd's	1-T	2 ozs.	$1.50
	2-T	1 ½ ozs.	1.40
	3-T	1 ¼ ozs.	1.40
	4-T	1 oz.	1.20
	6-T	1 oz.	1.10

One pair in a package.

PUNCHES

TICKET

No. 30

Nickel plated, assorted fancy designs.

No.	Length	Reach	Wt. each	Each
30	6 in.	1 in.	3 ozs.	$0.40

Six in a box.

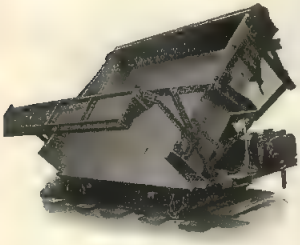
No. 32

Nickel plated, assorted fancy designs. Reservoir retains clippings.

No.	Length	Reach	Wt. each	Each
32	6 in.	1 in.	3 ozs.	$0.50

Six in a box.

Contractors' Steam Shovel Dump Cars



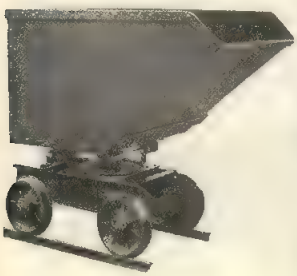
No. 1383.

These Dump Cars are fully illustrated and described in a special Catalogue which we will gladly send you on request.

These cars are declared by steam shovel and car men to be superior to all others, both in construction and operation

The type shown here is built to level capacities of 1, 1½, 3, 4 and 6 cubic yards, and is used with steam shovel for handling excavated material.

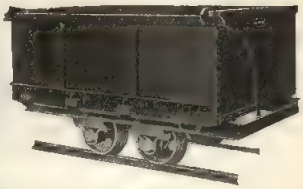
Rotary Scoop Car



No. 1384.

For use where a sharp dumping angle is desired. It may be dumped forward, or to either side. A handy car for use in mines, also in foundries and rolling mills for charging cupolas. All-steel construction, well reinforced.

Coal Cars



No. 1385.

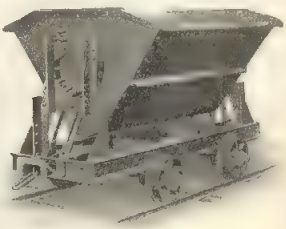
For the same use and of the same general design as Coal Wagon above but having a larger capacity Also furnished having capacity of 2000 lbs. and with wheels 12" diam.

Mine Skips

No. 1386.

Designed for conveying ore up steep inclines. Dumping wheels at the rear take special track on tipple and skip is dumped automatically Made in two capacities, 50 and 30 cu. ft.

"V" Dump Car



No. 1387.

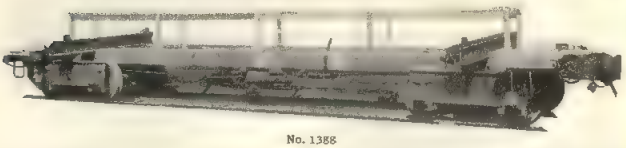
It is used not only by contractors, but in all kinds of industries for carrying all classes of material, wet or dry, such as concrete, clay ashes, sand, earth, rock, etc.

This car is accurately balanced and therefore easy to dump, and in dumping makes a positive and complete discharge. The double locking device insures against dumping on the wrong side of the track. For convenience in loading by hand, the body may be locked in a tilting position.

This car will be found especially suitable for use by road contractors in hauling all kinds of material to and from road paving jobs. It is built in 1-yard, 1½ and 2-yard capacities

Connected Logging Trucks

80 000 LBS. CAPACITY



No. 1388

These logging trucks are designed and constructed to meet the most exacting qualifications required of all modern logging equipment. The highest quality of workmanship and materials, make these trucks extremely reliable under all service conditions. Every part is thoroughly tested to withstand severe strains incident to the dropping of heavy logs, bad road bed and over load.

We are able to furnish information on different types of logging trucks and will be glad to do so on request.

One End of Connected Logging Truck jacked up to illustrate flexibility of Side Frame

SPECIFICATIONS

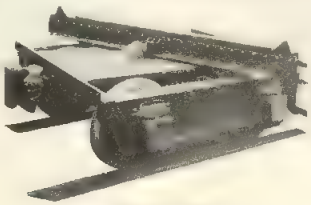
The side frames consist of 20" 65 lb. I-beams, recessed at the end to receive cast steel pedestals of ample strength. **The Springs** consist of a double coil 7 x 7 x 1¾" outside diameter and one inch inside coil. One double coil spring placed over each journal box and of ample strength to give a loading capacity of 230,000 lbs. per car. **Wheels** are 33" 600 lbs. **Brake Beams** are inside hung. **The Bunks** are provided on either side with roller side-bearings of a simple, but substantial design. These roller bearings rest upon the six inch top of the side frame which provides a rollway for them. By the use of these roller bearings it is impossible to get a bunk-bound load. Brasses, couplers and draw bar springs are MCB Standard.

Disconnected Logging Trucks

No. 1389

Solid Side Frame, 100,000 lbs. capacity

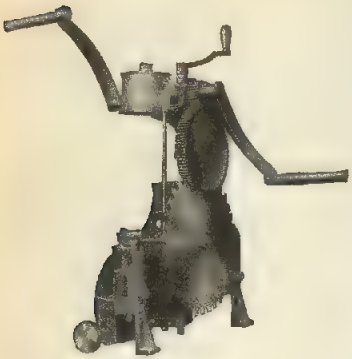
The disconnected logging trucks are designed and constructed to withstand hard service. The material and workmanship used in its manufacture are of the highest. Every part is thoroughly tested to a high degree of efficiency and can be depended upon as reliable under almost any condition.



SPECIFICATIONS

Side Frames consist of 20" 65 lb. I-beams, recessed at the end to receive cast steel pedestals of ample strength. Axles are of the best hammered steel with 5 x 9 journals and to conform to MCB Specifications. **Springs** consist of a double coil 6 x 8 x 1⅝" outside diameter, and a 1" inside coil. One double coil spring placed over each journal box of ample strength to permit a loading capacity of 200,000 lbs. per set of trucks. **The Journal-Boxes** are of cast steel, pedestal type with MCB 5 x 9 specifications. Brasses, couplers and draw bar springs are MCB Standard.

No. 7 "Q and C" Portable Rail Saw



Designed for cutting off rails at any angle with their length. The saw blade commences cutting in the center of the head of the rail, and will make a true vertical cut at whatever angle desired, leaving the ends of the rail perfectly smooth and straight.

This saw has sufficient capacity for cutting all steam rails up to 135 pounds per yard and will cut all rails up to a 7-inch girder rail in track, and higher rails out of track, by reversing rail after half of cut is made.

The reducing gear is arranged on the slide supporting the saw blade and a simple form of automatic feed lowers the saw at the proper speed for cutting the head or base of the rail. This is accomplished by means of a friction nut, located on the feed screw, which can be quickly released to feed the saw by hand through the web of the rail, or in the return of the slide, by means of the feed screw crank.

A pawl prevents the saw blade from being turned backwards, which must never be done while cutting.

The saw blade is 18 inches in diameter, $\frac{5}{32}$-inch thick. Maximum depth of cut is 7¾ inches.

Special high speed steel blades furnished at extra charge.

Dimensions, 19x30x32 inches. Gross weight, 375 pounds. Net weight, 300 pounds. Price **$250.00**

Price includes two saw blades and necessary wrenches.

Saw grinder—for sharpening the blades—can be attached to a bench in the shop and belted to run about 1200 R. P. M. Price of grinder **$30.00**

The Racine High Speed Rail Cutting Machine

Cuts Any Size Rail Quickly without Removing from Track Bed

This machine is of the draw-cut type, embodying all the exclusive features of "Racine" High Speed Metal Cutting machines.

It is the only unit of its kind manufactured and is practical, sturdily built, very fast and accurate. Its great simplicity obviates the necessity for an experienced operator.

The cut is clean and accurate, and the saving in blade expense will pay for the machine several times over, not to mention the enormous saving of time and labor over the old method of cutting a rail with two men, by hand. This machine will make four straight smooth cuts, while two men are making one cut by hand.

The machine operates without the necessity of removing rail from track bed. A pair of quick acting clamps, readily adjusted to any size or width of rail permit machine to hang on the rail without bolting, and hold tightly in cutting position by machine's own weight. When once adjusted for any rail the clamps need no further adjustment and two men can easily lift machine, on and off the rail without turning a screw or nut.

Cutting operation is automatic, in that when started, no further attention is necessary until cut is finished.

Motor equipment is furnished, either for overhead trolley connection or for lower voltages such as generated by gasoline engine-driven outfits for steam railroad use. With the 550 volt D. C. current usually used on Electric Railways a fully enclosed interpole ball bearing motor with starter is provided, taking current direct from trolley wire or third rail; and specially wound to withstand these high voltages which usually vary from 250 to 600 volts.

A 14 x ¾ x 049 gauge 10 tooth hack saw blade is used, and the machine will cut rails up to 9 inches in height and 6 inches in width. In ordinary production the machine will cut a 90 or 100 pound rail in from 10 to 15 minutes.

Cutting time is 12 to 15 minutes per cut, depending on size of rail.

Prices on application

NUT LOCKS

Positive.

Best spring steel, oil tempered and polished.

Nos.	30	40	50
Size, in	¾	⅞	1
Steel, in	⅜x3/16	3/8x5/16	⅜x5/16
Wt per 1000, lbs	91	130	146
Per 1000	$53 25	71 25	75 75

⅝ and ½, 1000; ⅜ and 1 in, 500 in wood box.

TRACK GAUGES

HUNTINGTON

Wrought iron, gas [illegible] malleable iron heads fastened by taper threads and pins forming a true right angle; inaccuracies at frogs, curves and switches obviated.

	Per Doz
No. 5—Length 56½ ins	$78 00

Packed loose; wt per doz 140 lbs.

TRACK LEVELS

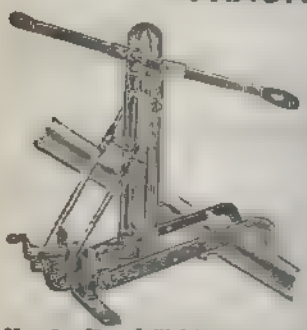
Made of white pine with steel band; painted and varnished, spirit level set in top and protected by handle; one end cut in steps and used to obtain proper elevation at curves.

	Each
No. 10—Length 6¼ ft, 5 ins wide	$6 45

One doz in box; wt each 8 lbs.

TRACK DRILLS

PAULUS



Malleable iron frame, requires no adjustment, always ready for use; can be instantly thrown back out of way of passing trains; automatic feed permits drilling of heaviest rail without stopping. May be used on angle bars, steel girders, etc. The only drill made allowing operator to stand erect while drilling. Height 33 inches; width 9¼ inches; width of foot plate 22 inches; length handles 11 inches.

	Each
No. 1—For drill bits having 2¼x11/16 in. round shank; our Blue Grass No. 403	$72 00

Packed loose, wt each 100 lbs

RATCHET RAIL BENDERS

Forged from best steel. Steel screw, machine cut; square threads, three to the inch. Malleable iron ratchet plates, forged steel milled ratchets. Easily operated, adapted for mine purposes.

May be used to either bend or straighten rails, axles, rods, pipe or irons. Malleable cap to fit rails.

Nos.	Each	Capacity Size of Rails	Span of Hooks, Ins	Diam of Screws, Ins	Wt Each, Lbs
5	✣$133 50	100	28	2¾	200
4	✣ 117 75	85	28	2⅝	160
3	✣ 87 75	75	24	2½	120
2	✣ 67 50	50	20	2¼	90
1	✣ 57 00	25	16	2	70
0	✣ 48 75	16	14	1¾	50
00	✣ 48 75	10	14	1½	40

Packed loose.

✣F. O. B. Indiana Factory Only.

RAIL BENDERS

JIM CROW

Best wrought iron machine cut square threads; steel screw. Benders furnished less bar as shown in illustration.

Nos.	B	C	D	E
Bends rail, lbs	75	50	25	16 to 20
Span of claw, ins	24	20	16	14
Wt, lbs	115	85	65	40
Each	✣$55 50	52 50	38 55	29 25

Packed loose

CROW BARS

Pinch Point. Solid cast steel, oil finish; for general use.

Nos.	10P	12P	14P	16P	18P
Wt each, lbs	10	12	14	16	18
Length, ft	4	4⅛	4½	4⅝	5
Size points, ins	1x1	1⅛x1⅛	1⅛x1⅛	1¼x1¼	1¼x1¼
Per 100 Lbs			$21 00		

Nos.	20P	22P	25P	30P	35P
Wt each, lbs	20	22	25	30	35
Length, ft	5⅛	5⅛	5½	6⅛	6½
Size points, ins	1¼x1¼	1⅜x1⅜	1⅜x1⅜	1½x1½	1½x1½
Per 100 Lbs			$21 00		

Nos.	40P	50P	60P
Wt each, lbs	40	50	60
Length, ft	7	7⅛	7⅛
Size points, ins	1⅝x1⅝	1¾x1¾	1⅞x1⅞
Per 100 Lbs	✣$18 00	✣21 75	✣23 55

Packed loose.

Wedge Point. Solid cast steel, oil finish; for general use.

Nos.	10W	12W	14W	16W	18W
Wt each, lbs	10	12	14	16	18
Length, ft	4	4⅛	4½	4⅝	5
Size points, ins	1x1	1⅛x1⅛	1⅛x1⅛	1¼x1¼	1¼x1¼
Per 100 Lbs			$21 00		

Nos.	20W	25W	30W	35W	40W
Wt each, lbs	20	25	30	35	40
Length, ft	5⅛	5½	6⅛	6½	7
Size points, ins	1¼x1¼	1⅜x1⅜	1½x1½	1½x1½	1⅝x1⅝
Per 100 Lbs	$21 00	21 00	✣18 00	✣18 00	✣18 00

Packed loose.

CAR WRENCHS

ADVANCE SAFETY

Made of cast steel; black japanned finish; maple handle; natural finish. Automatically adjusts itself for attaching to any size winding tap on standard drop bottom cars.

	Each
No. 50SCW—Length of handle 52 ins; wt each 14 lbs	✣$15 75

Packed loose.

✣No. B Rail Bender, F. O. B. Illinois Factory Only.
✣Nos. 30W, 35W, 40W, 40P, 50P and 60P Crow Bars, F. O. B. Pennsylvania Factory Only.
✣No. 50SCW Car Wrenches, F. O. B. Wisconsin Factory Only.

DRIFTING PICKS

—BLUE GRASS—

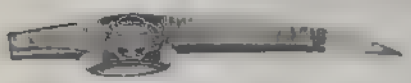
Highest grade soft steel body; genuine tool steel inserted tempered points; painted green body; polished points; adze eye.

Nos.	BG474	BG475	BG476	BG477
Wt each, lbs	4½	5	6	7
Length over all, ins	21	23	25	27
Wt per doz, lbs	54	60	72	864
Per Doz	$29 25	31 50	✚33 00	✚38 25

Two doz in wood case.

POLL PICKS

—BLUE GRASS—



Highest grade soft steel body; hardened steel poll, genuine tool steel inserted tempered point; painted green body and poll; polished point; adze eye.

Per Doz

No. BG484—Wt each 4 lbs; length over all 14½ ins; wt per doz 48 lbs $30 75

Two doz in wood case.

LEAD MINERS' PICKS

—BLUE GRASS—

Highest grade soft steel body; hardened steel poll, genuine tool steel inserted tempered point; painted body and poll; polished point; adze eye.

Per Doz

No. BG496—Wt each 6 lbs; length over all 16¾ ins; wt per doz 72 lbs $48 75

Two doz in wood case.

MILL PICKS

—BLUE GRASS—

Extra quality crucible steel, with blue body and polished bits.

Nos.	BG1½	BG1¾	BG2
Wt each, lbs	1½	1¾	2
Length over all, ins	7½	8¼	8½
Width cut, ins	1½	1¾	1⅞
Wt doz, lbs	16	19	22
Per Doz	$25 50	30 00	33 75

Packed in wood box.

TRACK TOOLS

Made of special high grade steel, carefully tempered and tested, natural finish, for railroad and traction service.

SPIKE MAULS

Oval eye; standard pattern; length 12 inches.

Nos.	6-8	6-10
Wt each, lbs	8	10
Per 100 Lbs	$30 75	30 75

Packed loose.

TRACK CHISELS

Per 100 lbs

No. 1—Oval eye; cold chisel bit 1¼ ins wide; length 8½ ins $75 00

Packed loose; wt each 4½ lbs.

SPECIAL RAILROAD CLAY PICKS

Adze eye; special high grade steel, natural finish; well balanced. For railroads, traction companies, mines, etc.

Nos.	7-7	7-8
Length over all, ins	24	24
Wt each, lbs	7	8
Per Doz	$24 00	25 50

Two doz in wood box.

✚F. O. B. Pennsylvania Factory Only.

TRACK TOOLS

Made of special high grade steel, carefully tempered and tested, natural finish; for railroad and traction service

TAMPING PICKS

Adze eye; hard sharp points; V tamper.

Nos.	2-7	2-8
Wt each, lbs	7	8
Length over all, ins	23½	24
Per Doz	$30 75	32 25

Two doz assorted in wood box; wt 200 lbs.

RAIL TONGS

Per 100 lbs

No. 11—Length each arm 19 ins; drop 9½ ins; solid steel bolt $35 25

Packed loose; wt each 17 lbs.

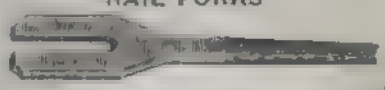
TRACK WRENCHES

Socket ⅝ inches thick.

Nos.	14-1¼	14-1⅜	14-1½
For nuts, ins	1¼	1⅜	1½
Length handle, ins	26	26	28
Wt each, lbs	6	7	8
Per 100 lbs	$28 50		

Packed loose.

RAIL FORKS

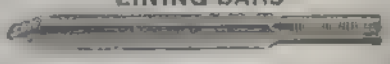


Per 100 lbs

No. 12—Length 2¼ ft; width slot ⅝ in; 1⅜ in. thick ✚$28 50

Packed loose; wt each 20 lbs.

LINING BARS

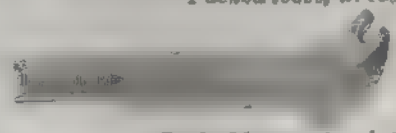


Per 100 lbs

No. 9—Wedge point $22 95

Packed loose; wt each 25 lbs.

CLAW BARS

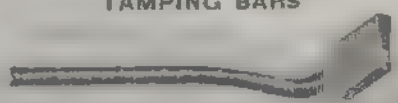


Per 100 lbs

No. 4—With heel, length of bar ... ins; claw ... inches $26 50

Packed loose; wt each 28 to 30 lbs.

TAMPING BARS

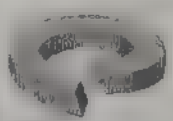


Per 100 lbs

No. 10—Width tamping bar 3⅜ ins; ⅛ in. thick; blunt heel; length over all 5½ ft ..... ✚$25 50

Packed loose; wt each 18 lbs.

NUT LOCKS



Used to prevent nuts on locomotives, cars, etc., from expanding or loosening.

Plain.

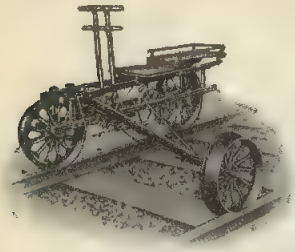
Best spring steel, oil tempered and polished.

Nos.	1	2	3	4	5
Size, in.	½	⅝	¾	⅞	1
Steel, in.	½x¹¹/₁₆	⅝x¹³/₁₆	¾x1¼	⅞x1¼	1x1⅛
Wt per 1000, lbs.	26	50	87	84	146
Per 1000	$14 25	27 00	33 75	45 00	70 50

½ to ¾, 1000, ⅞ and 1 in., 500 in wood box.

✚F. O. B. Missouri Factory Only.

Railroad Velocipedes



Light, durable and easily operated and handled. Built of tough rock elm, with patent singleplate pressed steel wheels, with ball bearings.

No. 1 Standard

As shown by illustration above. Weight, 150 pounds.
Price.....$70.00

No. 2 Velocipede

For two persons. Same style as No. 1, but with seat for passenger. Weight, 158 pounds.
Price.....$73.00

No. 3 Telegraph Car

For three persons. Can be operated by one man, if desired. Has box for carrying tools and supplies. Weight, 195 pounds.
Price.....$90.00

No. 65 Railroad Push Cars

Extra heavy; standard gauge; platform 7 feet long by 5 feet 7 inches wide; pressed steel wheels 20 inches in diameter; machine steel axles 2 inches in diameter. Weight, 700 pounds.

Price.....$80.00

Railroad Hand Cars

With Pressed Steel Wheels

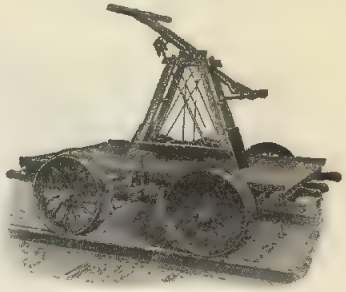


Illustration Shows No. 1 Car

No. 1 Standard Hand Car

Standard gauge; platform 6 feet long by 4 feet 5 inches wide; wheels 20 inches in diameter; axles 1½ inches diameter. Weight, 500 pounds.
Price.....$60.00

No. 2 Bridge Gang Car

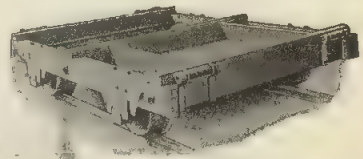
Standard gauge; platform 8 feet long by 5 feet 7 inches wide; axles 1¾ inches diameter. Weight, 700 pounds.
Price.....$72.00

No. 5 Inspection Car

For use of roadmasters and supervisors of track, bridge builders, etc.

Same size platform as No. 1 car. Furnished with single or double end lever, as desired. Weight, 475 pounds.
Price.....$80.00

10-Ton Track Laying or Rail Car

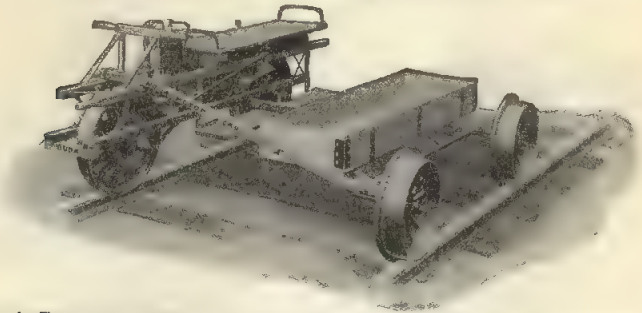


Standard gauge; size, 8 feet long by 6 feet 6 inches wide; chilled wheels 16 inches in diameter, with 6-inch tread; axles, 2¾ inches in diameter; capacity, 10 tons; sills, 4x8-inch oak; cross sills plated with iron; car fitted with chain and tool boxes, and has two rollers at each end. Weight, about 2000 pounds.
Price.....$120.00

Buda Railway Motor Cars

Dependability, Low Cost of Operation and Maintenance, and Full Power at All Speeds are Features which are Constantly Increasing the Influence and Popularity of Buda Railway Motor Cars

Nos. 22 2¼ H.P. and 24 4 H.P. Inspection Car



Split Sill Permits Easy Removal of Engine

Wide Arm Construction Permits Ample Clearance in Handling

Specifications

Engine: Single cylinder, four cycle, air cooled. Dust proof. **All parts entirely enclosed.**

No. 22	2¼ H.P.	2⅝″ bore	3¼″ stroke
No. 24	4 H.P.	3¼″ bore	3 3/10″ stroke
No. 12C	4 H.P.	3¼″ bore	3 3/10″ stroke

Control: Timer and throttle control levers of automobile type conveniently located.
Ignition. Dry cell battery.
Lubrication: Splash system, oil supplied from sight feed gravity oiler on crank case.
Transmission: Chain drive from engine sprocket to friction sprocket on front wheel. Standard gear ratios are:
No. 22 9-tooth engine sprocket to 41-tooth friction sprocket.
No. 24 11-tooth engine sprocket to 41-tooth friction sprocket.
No. 12C Same as on No. 24 car.

Gear ratios lower than standard are furnished to meet special conditions.

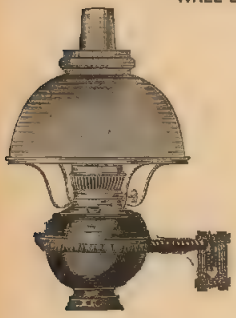
Frame: No. 22 and No. 24 lower sills and guide arms of square tubular steel; upper sills of well seasoned ash.
No. 12C upper and lower sills and guide arms of square tubular steel.
Wheels: Rolled steel, reinforced tread, M.C.B. flange. Main wheels, 17 inch; guide wheels, 14 inch.
Axles: High grade steel, oil treated.
Axle Boxes: Journal box type, with bronze bearings, packed and self-oiling.
Brake: Positive on both main wheels operated with one lever.
Gauge: Any gauge 24 inches or wider.
Capacity: No. 22 and No. 24—Two persons.
No. 12 C—Three persons.
Weight: No. 22, 390 pounds. No 24, 450 pounds No. 12C, 475 pounds.

No. 19L. Heavy Duty Railway Motor Car—With No. 193 Trailer

For the handling of large gangs at speeds consistent with safety first operations. An up to date method of handling extra gang work. Full information and prices furnished on application.

RAYO LAMPS

WALL BRACKET



No. 26096

With 10-inch ring shade holder, or with 10-inch wire tripod, if preferred. With safety catch for securing fount in ring. Projects to burner, 7½ inches. Polished brass finish. Complete with shade and genuine Rayo lamp chimney.

No.		Wt. per bbl.	Each
26096	**Ring**	64 lbs.	**$8.50**

No. 26097

With 10-inch ring shade holder. With safety catch for securing fount in ring. Projects to burner, 11¼ inches. Polished brass finish. Complete with shade and Rayo lamp chimney.

No.		Wt each	Each
26097	**Ring**	6 lbs.	**$9.00**

Twelve in a barrel.

TABLE

No. 1-RC

Height to top of burner, 12 inches. Brass, nickel plated. For household use it has no equal. With 10-inch ring shade holder. Complete with shade and chimney.

No.	Wt. each	Each
1-RC	4½ lbs.	**$6.50**

EXTRA PARTS

SHADE HOLDERS

No. 194

Ten-inch tripod shade holder.

No. 85

Ten-inch ring shade holder.

No.		Finish	Each
85-N	**Ring**	Nickeled	**$0.75**
85-B	**Ring**	Brass	.75
194-N	**Tripod**	Nickeled	.35
194-B	**Tripod**	Brass	.35

No.		Wt each	Each
4	**Arms and Ring**	1½ lbs.	**$1.85**
5	**Hanger**	½ lb.	.45
1901	**Fount with Burner**	1⅛ lbs.	**3.85**

All the above, loose.

SHADES

Lip top dome shade for hanging lamps.

Ring top dome shade for table and hand lamps.

Diameter	Carton lots	Wt. each	Each
10 in.	6	1⅝ lbs.	**$1.25**
14 in.	6	1⅝ lbs.	**5.00**

PARTS OF BURNERS

Rayo is stamped on top of flame spreader

No.		Each
	Burner Complete	**$1.65**
X	**Flame Spreader**	.30
Y	**Chimney Holder**	.40
■	**Burner Body**	1.25
	Chimney, Rayo	See page 559

Loose.

When ordering above burners or parts, be particular to state Rayo and specify part wanted by letter and finish.

GLASS HAND LAMPS

ONE PIECE, WITH PATENT COLLAR

Solid, one piece, pressed. Patent solid glass collar with brass threads. Made in one piece and will not break under ordinary circumstances. Price without burners and chimneys.

LARGE FOUNT, STAND

Enlarged view of collar

NOS. 951 AND 952

All No. 2 collar.

No.	Height	Fount capacity	Wt. each	Each
951	9 ½ in.	22 ozs.	3 ⅛ lbs.	$1.10
952	10 in.	22 ozs.	3 ¾ lbs.	1.30

ONE PIECE, WITH BRASS COLLAR

Solid, one piece, pressed. Brass collar, cement fastening. Substantially built. Price without burners and chimneys.

LARGE FOUNT, STAND

NOS. 874 TO 876

No. 990

All No. 2 collar.

No.	Height	Fount capacity	Wt. each	Each
874	8 ½ in.	15 ½ ozs.	1 ⅝ lbs	$0.70
875	9 in.	21 ozs	2 ⅛ lbs	.90
876	10 in.	22 ozs	2 ½ lbs	1.00
990	9 ½ in.	40 ozs.	6 lbs	1.50

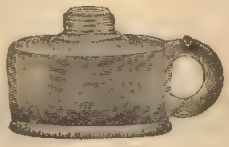
ONE PIECE, WITH BRASS COLLAR

Solid one piece, pressed. Brass collar, cement fastening. Substantially built. Price without burners and chimneys.

LOW HAND

No. 954

LOW FLAT HAND



No. 925

FOOTED HAND

No 877-2

No.	Collar	Fount capacity	Wt each	Each
954	1	8 ½ ozs.	1 lb	$0.50
925	2	14 ozs.	¾ lb	.56
877-2	2	10 ozs.	1 lb	.80

No. 1 collar takes the regular No. 1 lamp burner. No. 2 collar takes the regular No. 2 lamp burner.
All the above, six in a carton.

No. 12—SIDE

SIDE AND BRACKET LAMPS

No. 12

Steel frame, japanned, with glass fount. Complete with reflector, No. 2 burner, wick and chimney.

No.	Wt. each	Each
12	2 lbs.	$0.90
Extra Founts		.35
Frames only		.35
Reflectors only		.20

No. 42

Adjustable bracket lamp, silvered glass reflector, bronzed iron bracket, 5 ½-inch glass fount with oil filter. Complete with burner, chimney and wick

No.	Wt. each	Each
42	2¾ lbs.	$2.15
Extra 7-in. Silvered Glass Reflectors		.95
Extra Founts		.50
Extra Brackets		.40

Loose.

No. 42—BRACKET

BASE BALLS
REACH

American League

Superfine wool yarn, cork core covered with pure para rubber, best horsehide cover. The material used in this ball assures a uniform service and preserves its liveliness.
No. 0—Official American league ball . . . Per Dozen $16 00
Wrapped and sealed, one in a box.

Bounding Rock

Well made of good materials has rubber center and a genuine horsehide cover, stitched with linen thread, a popular ball and used by many on account of its durability and moderate price
No. 7—Regulation size . . . . . Per Dozen $6 00
Wrapped and sealed, one in a box.

Cock of the Walk

Durable construction, best materials used. A well stitched, strong horsehide cover assures wearing qualities needed for amateur baseball.
No. 8—Regulation size . . . . . Per Dozen $4.00
Wrapped and sealed, one in a box

Junior League

Made in junior size and weight, a sure enough boys' favorite. Constructed of durable materials assuring good playing quality. Genuine horsehide cover stitched with strong thread
No. 9—Junior size . . . . . Per Dozen $4.00
Wrapped and sealed, one in a box

Amateur League

A full size ball made of good materials and will stand rough use. It is strong and waterproof, covered with imitation leather, well stitched with linen thread
No. 8A—Full size . . . . . Per Dozen $2 25
Wrapped and sealed, one in a box

Bounder

A strong, waterproof ball, imitation leather cover, well stitched with heavy thread This is the best ball on the market for boys
No. 12—Boys' size . . . . . Per Dozen $0 85
Wrapped, one in a box.

CATCHERS MITTS
REACH

Moulded

Finest golden grain, Reaco horsehide, rolled leather binding, leather welted and double stitched seams, hand formed padding, trap lacing thumb adjustment, strap and buckle with protector at wrist. This is a smaller size than the regular models

No. 8A—Professional . . . . . Each $14 00
One in a box

Semi-Moulded

Moulded pocket in face, the face and fingers made of olive tan Reaco horsehide Mahogany grain cowhide strip and back. Hand made felt padding, leather binding and lacing. Strap and buckle at wrist with hand protector. Trap lacing between thumb and face

No. 30—Regulation Strip Model Each $9 00
One in a box.

Regulation Size

Made with genuine black horsehide face, back and fingers smoked horsehide strip. Double stitched seams, correctly padded, leather laced. Strap and buckle wrist with hand protector. Trap lacing between thumb and face.

No. 200—Regulation size . . . . . Each $4.00
One in a box.

Men's Size

Olive tan mitten leather face and fingers, brown leather back and strip. Bound edge. Laced thumb adjustment. Strap and buckle at wrist. This is a regulation size mitt.

No. 100—Men's Size . . . . . Each $2.00
One in a box.

Youth's Size

Laced model. Dark brown mitten leather face and fingers. Brown leather back strip. Strap and buckle at wrist. Laced thumb adjustment.

No. 61—Youth's size . . . . . Each $1 50
One in a box.

Note—When ordering a Mitt for left hand player, specify "Full Right".

CATCHERS' MASKS

—BLUE GRASS—

Made from best grade of heavy drawn steel wire, in dead black finish, which will not chip off nor reflect the sun. Has heavy, strong overhead strap and selected calf skin chin and forehead pieces. The soft and flexible material used easily adjusts itself and contusion is less liable to develop.

Per Doz

No. 1MBG—Wt per doz about 24 lbs $123 00

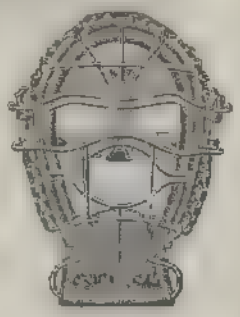
One in cardboard box.

—BLUE RIBBON—

Electric welded steel wire, shallow frame, with ear protectors and spitter hole; double reinforced eye wires, dull black enamel rubber finish. One continuous pad stuffed with hair and light elastic wool felt; laced with genuine rawhide to double reinforced pad holders; padded chin rest and neck protector. Best quality adjustable leather tipped double black elastic head bands. Per Doz

No. 3MBG—Wt per doz about 25 lbs $147 00

One in cardboard box.



Made from best grade heavy black enameled steel wire, which will not chip off nor reflect the sun. Overhead strap and carefully formed chin and forehead rests. Four fine leather hair stuffed pads, neatly laced to frame.

Per Doz

No. 6MBR Wt per doz about 22 lbs $114 00

One in cardboard box.

Made from good quality steel wire, black enameled finish. Four fine leather, hair stuffed pads, laced to frame. Chin and forehead rests. Regular men's size. A well made mask. Per Doz

No. 2MBR—Wt per doz about 15 lbs $100 80

One in cardboard box.

—CYCLONE—

Made from good quality wire, black enameled finish. Two full length, all leather laced side pads. A popular mask for boys.

Per Doz

No. 1MC—Wt per doz about 7½ lbs $31 50

Half doz in cardboard box.

—REACH—

Made from heavy wire, bright finish. Two full length leather side pads laced to frame. Without head or chin piece. Per Doz

No. CM—Youths' masks. Wt per doz about 8 lbs $41 55

One doz in cardboard box.

CATCHERS' MASKS

REACH

Made from good quality steel wire, bright finish. Four fine leather, hair stuffed pads, neatly laced to frame. Nicely fitted chin and forehead rests. Made in same size and general style as the association mask.

Per Doz

No. XX—Amateur men's mask. Wt per doz about 11 lbs $67 20

One in cardboard box.

Made of heavy steel wire, black enameled. Well padded and extra strong. Patented elastic head band, green transparent sun shade, which furnishes positive protection from blinding sun rays. Per Doz

No. 40S—Regulation mask. Wt per doz about 18 lbs $79 20

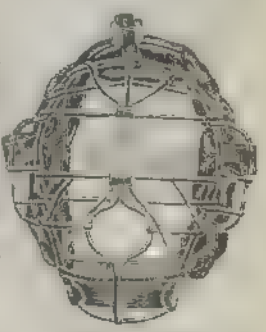
One in cardboard box.

Made of heavy steel wire, bright finish. Well padded and extra strong. Fitted with transparent sunshade.

Per Doz

No. 20S—Wt per doz about 24 lbs $138 60

One in cardboard box.



Made of tough steel wire, permanently welded and finished in dull black enamel. Extra strong steel wire sides extended to protect ears. The open vision or wide sight feature, the self-conforming pads and the adjustable head straps win the approval of the catcher. Per Doz

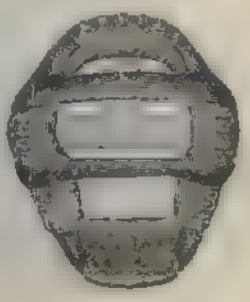
No. 3L—Wt per doz about 25 lbs $186 15

One in cardboard box.

Made of the finest tempered steel wire, double frame with cantilever reinforcement wires; black enameled finish. Embodies the Spitter and open vision features; sides extend to protect ears; pads are adjustable by means of strap and buckle fastenings. Per Doz

No. 6W—Wt per doz 26 lbs $211 80

One in cardboard box.



Frame made of one solid piece, light weight, special composition metal, that will withstand any shock or blow of ordinary use and affords greater vision and less shadow in catchers eyes. Full length face padding, strapped to frame and can be removed or adjusted as may be required.

Per Doz

No. JP—Wt per doz 29 lbs $386 10

One in cardboard box.

CATCHERS' MITTS

—BLUE GRASS—

Made of the best light tanned wapiti chrome calf; laced edge; patented adjustable wrist strap and buckle.

Per Doz

No. 7BGC—Wt per doz 30 lbs.....$309 00

One in cardboard box.

Made of finest grade tan calf; black leather binding welting; black hand rolled leather binding; double stitched thru-out; rawhide laced edge; patent wrist strap and protector.

Per Doz

No. 5BGC—Wt per doz 30 lbs.....$225 00

One in cardboard box.

Made of best california chrome tanned calf leather; light brown color; asbestos padding; deep ball pocket; laced edge patent adjustable wrist strap and buckle.

Per Doz

No. 3BGC—Left hand..$207 00

No. 3BGC-RH Right hand..207 00

One in cardboard box; wt per doz 30 lbs.

Semi-Pro model scoop shape genuine pearl cowhide palm and fingers, grain leather mitten stock back, double stitched; well padded; patented wrist protector.

Per Doz

No. 01BGC—Wt per doz 30 lbs.....$156 00

—BLUE RIBBON—

Made of fine tan horse hide for the palm and fingers; black napa goat leather edge and back laced. Edge model, heavy, well padded; deep pocket; strap and buckle at wrist.

Per Doz

No. 7BRC—Men's mitts large size; wt per doz about 24 lbs.....$132 00

One in cardboard box.

CATCHERS' MITTS

—BLUE RIBBON—

Fine quality of genuine cowhide; maroon colored palm and fingers; back is made of light tan colored sheep skin; bound edges laced with leather lace; deep pocket; patent wrist strap and protector.

Per Doz

No. 5BRC—Men's size, wt per doz 24 lbs.....$102 00

One in cardboard box.

Genuine cowhide palm and fingers; back is of black sheep skin stitched with two rows of yellow stitching; laced around with leather lace; strap and buckle feature.

Per Doz

No. 1BRC—Men's large mitt; wt per doz about 24 lbs.....$91 50

One in cardboard box.

—CYCLONE—

Tan calf palm fingers; greenish brown sheep skin back and edges; stitched fingers and edge is bound with green binding, patent wrist strap and buckle.

Per Doz

No. 6CC—Wt per doz about 21 lbs.....$78 75

One in cardboard box

Made of finest brown grain leather; laced with high grade [illegible] lace around edges, binding of green cloth. Strap, buckle and protection at wrist.

Per Doz

No. 5CC—Wt per doz about 18 lbs.....$66 00

One in cardboard box

Light brown calf palm and fingers; tan leatherette edge; duck back; padded laced thumb.

Per Doz

No. 3CC—Left hand...$26 40

No. 3CCRH—Right hand..26 40

One in cardboard box; wt per doz about 18 lbs.

CATCHERS' MITTS
—CYCLONE—

Genuine cowhide palm; unfinished mule skin fingers white calf skin bound edges; best quality tan laces around edges; well padded and formed; strap and buckle feature.

Per Doz
No. 4CC—Wt per doz 24 lbs $39 00

One in cardboard box.

Made of heavy tan duck; reinforced with leather in palm; leather fingers; leatherette edge; well padded deep pocket.

Per Doz
No. 1CC—Boys size, wt per doz about 8½ lbs $18 90

One in cardboard box.

REACH

Tan leather face and fingers. Khaki back. Leatherette strip. Strap and button at wrist. Lacing adjustment at thumb. Youth's size.

Per Doz
No. 65X—Wt per doz 8 lbs $29 70

One in cardboard box

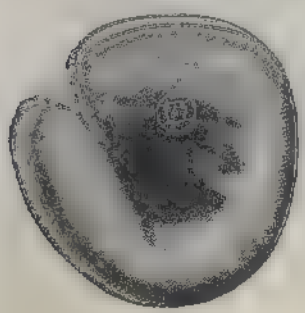
Large Professional Model.

New moulded style. Requires no breaking in. The back is doubly strengthened by new patented finger reinforcements, which prevent ripping of the seams which connect the fingers with the back. Fitted with patented laced thumb device, deep pocket, and strap and buckle at wrist; also a special folded strap on the back edge and the back All parts double stitched.

Face and fingers made of brown tan leather, imitation leather strip and back. Laced all around.

Per Doz
No. 75X—Wt per doz 8 lbs $41 55

One in cardboard box.

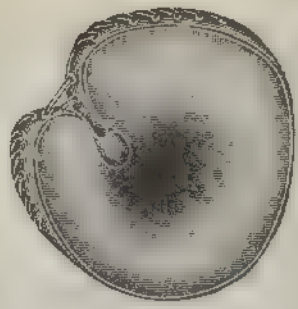


Olive tan leather face back and fingers; leatherette strip; strap and buckle at wrist; laced thumb adjustment men's size.

Per Doz
No. 100 Wt per doz 21 lbs $53 40

One in cardboard box.

CATCHERS' MITTS
REACH



This mitt has an olive tan mitten leather face and fingers and wine leatherette back and strip. Laced edge. Strap and buckle at wrist. Lace pieces between thumb and body of mitt. Medium size model.

Per Doz
No. FP—Wt per doz about 21 lbs $69 30

One in cardboard box

Face and fingers made of wine tan mitten leather. Brown leather back and strip. Double stitched strip. Leather laced. Strap and buckle at wrist. Well padded with deep pocket. Full size model.

Per Doz
No. 150—Left hand $79 20

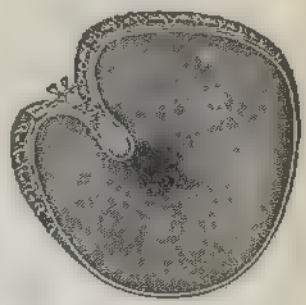
One in cardboard box; wt per doz about 21 lbs.

Made entirely of black horse hide; double stitched seams; laced all around; strap and buckle thumb adjustment; buckle protector at carefully padded deep pocket.

Per Doz
No. 200—Left hand $108 90

No. 200RH—Right hand 108 90

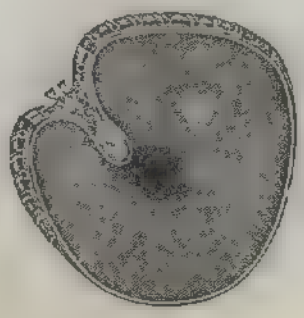
One in cardboard box; wt per doz about 24 lbs.



Regulation size and body; made throughout of wine colored horse hide; roll leather binding; elkskin lacing. Well padded and made very strong with projecting wrist which gives added protection and eliminates pressure of buckle on wrist.

Per Doz
No. 35—Wt doz 24 lbs $138 60

One in cardboard box.

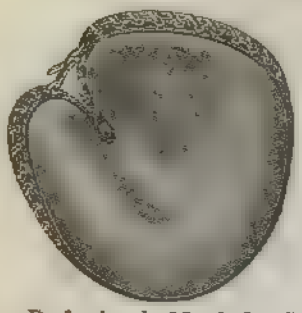


Made of the finest olive calfskin, with black Reaco leather strip, welted. Made on new thin model which has the appearance and effect of a moulded mitt. Fitted with patented lacing device, laced thumb, inside hump, deep pocket, strap and buckle at wrist. Well padded and made extra strong. Leather laced. Per Doz
No. BP—Wt per doz about 24 lbs $158 40

One in cardboard box.

CATCHERS' MITTS

REACH



Face and fingers made of Reaco black calf skin; brown leather back and heavy cowhide strip; seams on fingers and edge are double stitched; leather bound and laced; buckle protector at wrist.

Per Doz

No. 31—Wt per doz about 25 lbs $185 85

One in cardboard box.

Professional Model; Semi-moulded style. Olive horse hide face, back and fingers; tan calfstrip. Leather binding and lacing; special hand formed pad; strap and buckle thumb adjustment. Wrist protector on buckle strap.

Per Doz

No. 30—Wt per doz about 24 lbs. $237 60

One in cardboard box.

Made of high grade Reaco dark brown horse hide; leather welted; leather binding; double stitched seams. Special hand formed padding, strap and buckle thumb adjustment. Strap and buckle at wrist with hand protector.

Per Doz

No. 41 Wt per doz 38 lbs $265 35

One in cardboard box.

Made of Reaco olive tan horsehide; leather binding and lacing; fitted with King adjustable, hand formed padding; strap and buckle at wrist with leather wrist protector, strap and buckle thumb adjustment.

Per Doz

No. 32—Wt per doz about 25 lbs $316 80

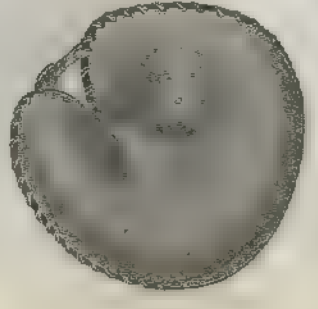
One in cardboard box.

Golden grain tan horsehide palm and fingers; double stitched and welted fingers; edges roll leather binding; asbestos felt padding; laced with special leather lace; hold fast back and buckle feature.

Per Doz

No. 6A—Wt per doz 38 lbs $366 30

One in cardboard box.



Made of the finest selected Reaco brown calf skin, double faced, leather binding and leather welted seams. Fitted with patent hold fast back and King adjustable, hand formed padding.

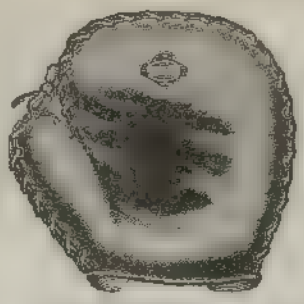
Per Doz

No. 12A—Wt per doz 50 lbs. $415 80

One in carton.

FIRST BASEMEN'S MITTS

—BLUE GRASS—



Professional model. Made of fine manila tan colored soft calfskin; laced edges; chrome tanned brown laces; asbestos felt padding; hand turned olive leather welted seams; deep natural pocket.

Per Doz

No. 2BGB—Wt per doz 18 lbs. $207 00

One in cardboard box.

Professional Model. Made of fine light tan Wapiti calf, laced edge, padded with best asbestos felt padding, soft and flexible; deep ball pocket. Made strictly in accordance with the most approved ideas of leading professionals. Per Doz

No. 1BGB—Special league; wt per doz 18 lbs $132 00

One in cardboard box.

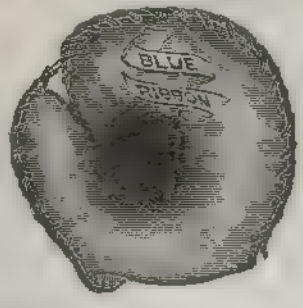
—BLUE RIBBON—

Professional model. Made of selected rich brown Napa tanned leather; laced edges; black leather welted seams; well padded with natural pocket.

Per Doz

No. 2BRB Wt per doz 18 lbs. $88 50

One in cardboard box.



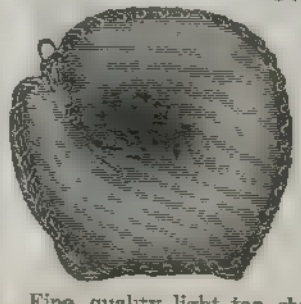
Professional Model. Made of fine light brown Napa leather laced at edge; padded with asbestos felt padding; deep ball pocket; strap and buckle at wrist.

Per Doz

No. 1BRB—League pattern; wt per doz about 16 lbs. $57 00

One in cardboard box.

—CYCLONE—



Professional model; White chrome tan leather; leather laced; back of best quality khaki; well padded; buckle and strap at wrist.

Per Doz

No. 2CB—Wt per doz 15 lbs $52 50

One in cardboard box

Fine quality light tan chrome, leather palm, moleskin back and lining, substantially bound, laced at edge with leather lace, strap and buckle at wrist, asbestos padding, deep ball pocket.

Per Doz

No. 1CB—Men's size; wt per doz about 15 lbs. $37 50

One in cardboard box.

FIELDERS' GLOVES

—CYCLONE—

Made of selected russet tan stock; black leather welted seams; leather palm; bound with black binding at edges.

	Per Doz
No. 5CF -Left hand	$44 10
No. 5CF-RH—Right hand	44 10

One in cardboard box; wt per doz about 8 lbs.

Made of good quality tan glove leather; palm leather lined; web thumb.

	Per Doz
No. 3CF -Left hand	$28 50
No. 3CF-RH—Right hand	28 50

One in cardboard box; wt per doz about 7 lbs.

Made of fine greenish brown Napa, well padded with good quality mattress felt; web thumb.

	Per Doz
No. 1CF -Left hand	$23 70
No. 1CF-RH—Right hand	23 70

One in cardboard box; wt per doz 2¼ lbs.

	Per Doz
No. 0CF Boy's size black glove, cat cr, formed web padded thumb	$13 20

Half doz in cardboard box; wt per doz 2 lbs.

RAWLINS

Bill Doak Model.

Made of selected horsehide; chrome tanned glovolinn oiled; leather welted seams; white leather lined; hand trimmed and turned edges; laced thumb to finger; heavily padded heel and little finger.

	Per Doz
No. 3BD -Wt per doz 12 lbs	$225 00

One in cardboard box.

REACH

	Per Doz
No. 24—Boy's size; genuine horse hide, cream color; outseam model; felt lined with padded heel	$14 70

Half doz in cardboard box; wt per doz 2½ lbs.

FIELDERS' GLOVES

REACH

Boys' size, made of genuine horse hide, cream color; lined with kaki; medium padded heel, deep pocket.

	Per Doz
No. 4G—Wt per doz 6 lbs	$27 75

One in cardboard box.

Youths' size; made of pearl horsehide; leather palm lining; medium padded heel, deep pocket.

	Per Doz
No. 53—Wt per doz 6½ lbs	$39 60

One in cardboard box.

Genuine horse hide, mahogany color. Leather palm lining. Laced wrist permits adjustment of padding. These gloves are made on a duplicate model of the higher grades.

	Per Doz
No. 10G Left hand	$55 50
No. 10GRH Right hand	55 50

One in cardboard box; wt per doz about 10 lbs.

Made of high grade horsehide. Full leather lined, leather bound and welted; laced wrist.

	Per Doz
No. 10X Wt per doz 9 lbs	$55 50

One in cardboard box.

Genuine horse hide; mahogany color. Full leather lined; laced at wrist to permit adjustment of padding. Regular professional model; leather welted seams. Web thumb.

	Per Doz
No. 2GL -Wt per doz about 9 lbs	$79 20

One in cardboard box.

FIELDERS' GLOVES

REACH

Mouse colored horse hide; full leather lined; leather bound and welted; laced wrist. Professional model.

Per Doz
No. 300G—Wt per doz 9 lbs $69 00
One in cardboard box.

Made of cream horse hide; roll leather binding; leather lined; leather welted seams; web thumb.

Per Doz
No. 9G—Left hand $93 00
No. 9GH—Right hand 93 00
One in cardboard box; wt per doz about 10 lbs.

Ecru horse hide; full leather lined; welted seams; leather laced at wrist to permit change of padding; leather binding wide little finger model.
Per Doz
No. 00W Wt doz 10 lbs $114 90
One in cardboard box

Made of black grain glove leather; leather lined; leather binding and leather welted seams. Laced at wrist.

Per Doz
No. 72—Wt per doz about 12 lbs. $108 90
One in cardboard box.

Reaco pearl grain glove leather. Leather lined and leather bound. Seams are welted with leather. Laced wrist permits adjustment of padding.

Per Doz
No. 2L—Wt per doz about 11 lbs. $108 90
One in cardboard box.

Reaco olive horsehide; leather welted seams and binding; leather lined palm; smooth felt lining in back.

Per Doz
No. 01—Wt per doz 7 lbs. $130 65
One in cardboard box

FIELDERS' GLOVES

REACH

Made of light weight drab horsehide; leather lined; welted seam; leather binding; light padding. This glove is made for players desiring a very light flexible glove.

Per Doz
No. 00X -Wt per doz 6 lbs $130 65
One in cardboard box.

Made of brown Reaco calf skin; leather binding; welted seams; full leather lined; laced at heel; deep palm with medium padding in heel.

Per Doz
No. 02—Wt per doz 8 lbs $158 40
One in cardboard box.

Made of selected Reaco drab horsehide; lined with glove leather; leather binding; medium padding with well formed pocket.

Per Doz
No. 08L Wt per doz about 12 lbs $148 50
One in cardboard box.

Made of Reaco black horsehide; welted seams; rolled leather binding; laced at heel to permit change of padding; full leather lining.

Per Doz
No. 05—Wt per doz about 12 lbs. $158 40
One in cardboard box.

Made of best grade Reaco drab horsehide; lined with glove leather welted seams; web thumb. Laced at wrist.

Per Doz
No. EC—Wt per doz 12 lbs $183 15
One in cardboard box.

Made of the most choice selection of Reaco drab horsehide; lined with same leather welted seams and leather bound. Laced at wrist.

Per Doz
No. HH—Wt per doz about 12 lbs $198 00
One in cardboard box.

FOOT BALLS

REACH

YOUTH RUGBY

Made of good grade russet pebble grain leather; canvas lined; correct shape. Complete with pure rubber bladder and leather lace.

Per Doz
No. 5SR Wt each 8 ozs.. $39 60
One in cardboard box.

BOYS' RUGBY

Made in special size for boys. Pebble grained leather, with strong canvas lining. Pure rubber bladder, guaranteed perfect in material and construction. Will stand rough usage.

Per Doz
No. 4M Wt each 10 ozs $36 00
One in cardboard box.

PRACTICE RUGBY

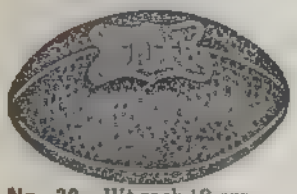
Youth's size, made of fine brown grain leather, lined with canvas, pure Para rubber bladder. Guaranteed to hold its shape.

Per Doz
No. 5M—Wt each 9 ozs $53 40
One in cardboard box.

AMATEUR RUGBY

Made of a very good quality of pebble grained leather; strong canvas lining. Pure rubber bladder; full size.

Per Doz
No. 5S—Wt each 9 ozs $59 40
One in cardboard box.



BOYS REGULATION SIZE

Made from oil tempered, hand boarded, domestic tanned cow leather; rawhide laces and para rubber bladder.

Per Doz
No. 3C—Wt each 12 ozs $66 00
One doz in cardboard box.

JUNIOR REGULATION SIZE

Made from oil tempered, hand boarded, domestic tanned cow leather; rawhide laces and para rubber bladders.

Per Doz
No. 4C—Wt each 14 ozs $78 00
One doz in cardboard box.

REGULATION SIZE

Made from oil tempered, hand boarded, domestic tanned cow leather; rawhide laces and para rubber bladder. Per Doz
No. 5C Wt each 16 ozs $90 00
Half doz in cardboard box

SCHOLASTIC, RUGBY

Made of pebble grained cowhide leather, canvas lined. Regulation size and weight. Pure rubber bladder, guaranteed perfect in material and construction. This ball is known for quality and service.

Per Doz
No. 5F—Wt each 18 ozs $132 75
One in cardboard box

FOOT BALLS

REACH

RUGBY MATCH

Regulation size; made of superior pebble grain cowhide leather, lined with best canvas, pure Para rubber bladder. Guaranteed perfect shape, complete with leather lace and lacing needle.

Per Doz
No. 5R—Wt each 18 ozs $184 20
One in cardboard box.

REACH, VARSITY RUGBY

Endorsed by leading universities, colleges and athletic associations. Regulation size, made of specially selected TUFIDE, a perfect pebble grain foot ball leather, tanned expressly for use in this ball. Canvas lined, double stitched around opening, pure Para rubber bladder.

Each ball is carefully inspected and guaranteed to conform strictly to the official rules and to give absolute satisfaction. Complete with rawhide lace, and lacing needle. Per Doz
No. E5—Wt each 22 ozs $237 60
One in cardboard box.

FOOT BALL GOODS

REACH

FOOT BALL BLADDERS

Pure Para rubber, tested and guaranteed perfect in material and workmanship. For use in Rugby foot balls. Per Doz

No. E5—Best grade; for No. E5 foot balls $25 80
No. 5R—Medium grade; for Nos. 5, 5R and 5C foot balls 23 70
No. 5S—Common grade, for Nos. 5F, 5G and 5H foot balls 19 80
No. 4S—Medium grade; for Nos. 5M 5SR and 4M foot balls 13 05

One in envelope; wt each 4 ozs.

HEAD HELMETS

Made of brown leather, lined and padded with best white felt, thoroughly ventilated. Elastic chin strap. Extra long in back to protect base of brain. Adjustable.

Per Doz
No. 2—Wt per doz 10½ lbs $69 00
One in cardboard box.

HEAD HARNESS

Made of brown grain leather, well padded with felt and thoroughly ventilated; elastic chin strap. The best on the market at the price; adjustable.

Per Doz
No. 4—Wt per doz 9 lbs .. $69 00
One in cardboard box

Made of finest brown grain leather, lined with white felt; well ventilated; leather sweat band, adjustable chin strap and head band; will fit any size head.

Per Doz
No. 1A—Wt per doz 9 lbs $138 60
One in cardboard box.

BASE BALL GOODS

SHOE PLATES FOR BASE BALL SHOES

REACH

Reach Special.

Made of an extra quality steel, hand forged, specially tempered and sharpened, beveled edge.

	Per Doz Pairs
No. 1H—Heel plates; wt per doz prs 1½ lbs	$13 20
No. 1T—Toe plates; wt per doz prs 1¾ lbs	13 20

Reach League.

Made of best quality steel, have specially sharpened points.

	Per Doz Pair
No. 2H—Heel plates; wt per doz pairs 1⅝ lbs	$6 60
No. 2T—Toe plates; wt per doz pairs 2 lbs	6 60

Reach Amateur.

Made of good quality steel, sharpened.

	Per Doz Pair
No. 6H—Heel plates; wt per doz pairs 1⅝ lbs	$4 05
No. 6T—Toe plates; wt per doz pairs 2 lbs	4 05

One doz pairs in cardboard box.

PITCHERS' TOE PLATES

Made of aluminum; fits on front of shoe, protects shoe and assists in pitching. Used by all professionals and amateurs.

	Per Doz
No. 5TL—Left foot only	$9 90
No. 5TR—Right foot only	9 90

Packed loose; wt per doz about 9 ozs.

REACH HOME PLATES

	Each
No. HR—Made of white rubber; according to league regulations; complete with pins	✚$28 05

Packed loose; wt each about 15¾ lbs.

PITCHERS' BOX PLATES

	Each
No. PR—Made of white rubber; according to league regulations; complete with pins	✚$21 45

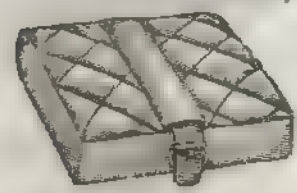
Packed loose; wt each about 14½ lbs.

BASES—BELKNAP'S

Made of heavy white duck, quilted; each base fitted with one heavy duck strap. Complete with pins

	Per Set of 3
No. 1—Official size; wt per set 12 lbs	$22 05

Set of three in pkg



Extra heavy double white canvas; well stuffed and quilted; straps extra strong; complete with spikes.

	Per Set of 3
No. E1—"League"; wt per set about 14 lbs	✚$27 30

Extra heavy white canvas; well stuffed, extra strong straps; complete with spikes.

	Per Set of 3
No. E3—"Amateur"; wt per set about 14 lbs	✚$17 70

Made of canvas, not stuffed; can be filled with sand or hay and after the game emptied.

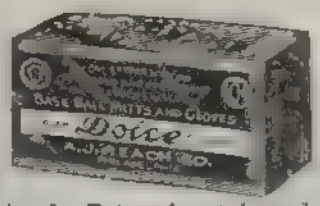
	Per Set of 3
No. E4—Special; wt per set about 1¾ lbs	✚$8 70

Set of three in pkg.

✚F. O. B. Pennsylvania Factory Only.

BASE BALL GOODS

GLOVE DRESSING

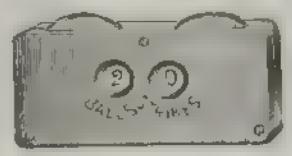


"DOLCE"

For softening and preserving the leather in base ball mitts and gloves. The only preparation which will not rot the leather. It makes the pocket of the glove soft and pliable and enables the player to secure a grip on the ball with one hand. Put up in a tube and packed in a cardboard box.

	Per Doz
Dolce—Wt per doz tubes about 1¾ lbs	$6 00

One tube in cardboard box, one doz in carton.

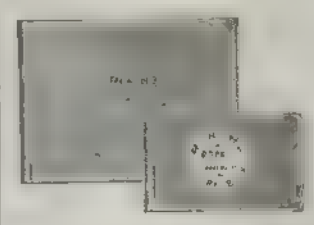


UMPIRE INDICATORS

Made of celluloid, intended for the use of base ball umpires and scorers to keep tally of the number of balls and strikes. Highly recommended by all umpires.

	Per Doz
No. 1I—Length 3 ins; width 1¹⁄₁₆ ins; wt per doz about 13 ozs	$25 80

One in cardboard box



SCORE BOOKS

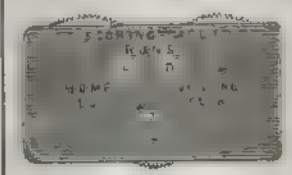
Endorsed generally by baseball reporters and official club scorers; full and complete directions for correct scoring.

Pocket Size 6¾x4 Inches.	Each
No. 2SB—Cloth cover, 22 games, ¼ in. thick	✚$1 11
No. 3SB—Cloth cover, 50 games, ⅜ in. thick	✚ 3 30
No. 8SB—Leather cover, 100 games, ½ in. thick	✚ 4 65

Packed loose.

Club Size 12x9 Inches.	Each
No. 4SB—Cloth cover, 30 games, ¼ in. thick	✚$4 35
No. 6SB—Cloth cover, 190 games, ½ in. thick	✚ 6 00

Packed loose.



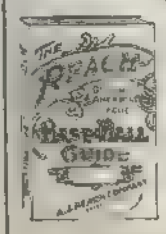
SCORING TABLETS

Made of celluloid. A simple, convenient and accurate device for the record of runs and outs. Can be carried in the vest pocket.

	Per Doz
No. 1ST—Length 3 ins; width 1¹⁄₁₆ ins; wt per doz about 8 ozs	$8 25

One in cardboard box.

BASE BALL GUIDES



REACH, 1924

Contains everything you want to know about base ball. Complete records of the American, National and Minor Leagues.

	Per Doz
No. 1BBG—Wt each about 16 ozs	$6 75

Packed loose.

✚F. O. B. Pennsylvania Factory Only.

RUGBY FOOT BALLS

REACH

Intercollegiate

Specially tanned, selected grade Tuf-ide leather. Is correctly shaped and is official in weight and balance

No. C5—Complete with pure rubber bladder, rawhide lace and lacing needle.....Each $10 00

Reach foot balls are made of materials especially selected and prepared Extra woven non-stretch fabric linings. Outer leather sections cut from one selected portion of each hide. Tested and inspected to insure correctness.

Rugby Match

First quality pebble grained cowhide leather. Canvas lined Sewed with waxed thread. Correct in size and weight

No. 5R—Complete with pure rubber bladder, rawhide lace .....Each $7.00

Scholastic

Genuine pebble grained cowhide leather; shaped correctly; regulation size and weight

No. 5F—Complete with pure rubber bladder and lace Each $5 00

Practice

Good grade of pebble grained leather; canvas lined; correct shape; regulation size. Boys' favorite.

No. 5M—Medium size; pure rubber bladder and lace....Each $2.00

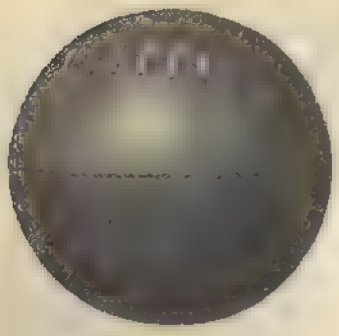
Favorite

Specially selected, heavy pebble grain leather; canvas lining; full size. Especially good ball for boys

No. 5SR—Full size, pure rubber bladder and lace. ..Each $1 50

BASKET BALLS

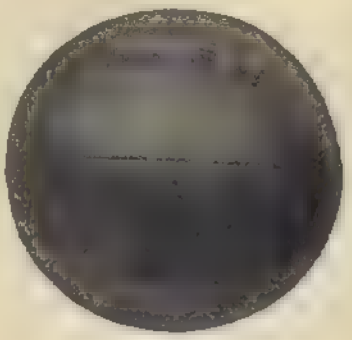
REACH



Official

Specially tanned Tuf-ide leather, perfect even tight stitched seams; four sections; accurate balance

No. 00—Complete with pure rubber bladder and lace...Each $15.00



Regulation

High grade pebble grained cowhide leather, four sections; tight stitched seams; regulation size and weight.

No. 1½—Complete with pure rubber bladder and lace....Each $9.00

Scholastic

Selected pebble grained leather; eight sections; canvas lined; tight stitched; standard size.

No. 2½—Complete with pure rubber bladder and lace ...Each $4 00

BASKET BALL CARRYING CASE

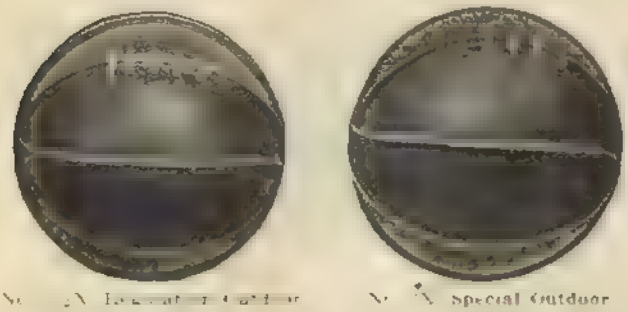
REACH

Made of brown canvas; leather handles and straps; completely covers the basket ball

No. 2B—Basket ball carrying case .....Each $2 50

BASKET BALLS

REACH



No. 1½X [illegible] No. 2X Special Outdoor

Good grade pebble grained cowhide leather; eight sections; outseam model; waxed linen thread stitching; canvas lining; regulation size and weight

Regulation Outdoor

No. 1½X—Complete with heavy pure rubber bladder; rawhide lace and steel lacing needle.....Each **$7.50**

Special Outdoor

No. 2X—Complete with heavy pure rubber bladder; rawhide lace and steel lacing needle.....Each **$6.00**

TENNIS BALLS

W. & D.

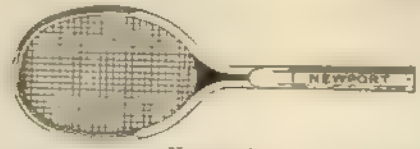
Championship

Highest quality rubber; excellent grade of white felt covering, undersewn and cemented, evenly balanced and bound true; resilient and durable. A most desirable ball for the professional or amateur

No. 0—W. & D. Championship; U. S. N. L. T. Association approval; weight per dozen about 30 ounces.....Per Dozen **$**

TENNIS RACKETS

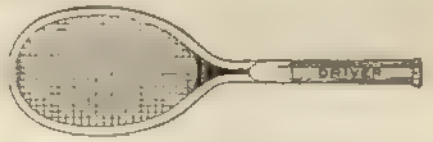
REACH



Newport

Full bow frame with slight inner bevel, black oval throat; natural mahogany inlay; excellent grade gut used for stringing; cedar handle

Newport—Small strung center.....Each **$3.00**



Driver

Medium size full bow frame; walnut finished dogwood oval throat; excellent quality gut used for stringing; cedar handle

Driver—Straight strung center.....Each **$3.50**

CROQUET SETS

H. R. & S.

Four Ball Sets

No. 2—Professional; hand turned; painted 8 inch mallets, polished 3 striped balls; beaded 8 color stakes; weight per set 18½ pounds.....Per Set **$12.00**

No. 5—Professional; cheap; varnished striped balls; handles and stakes; 8 inch mallets; weight per set 17 pounds.....Per Set **$6.00**

No. 6—Rock maple; painted and varnished balls and stakes; beaded mallets, weight per set 12½ pounds..Per Set **$4.50**

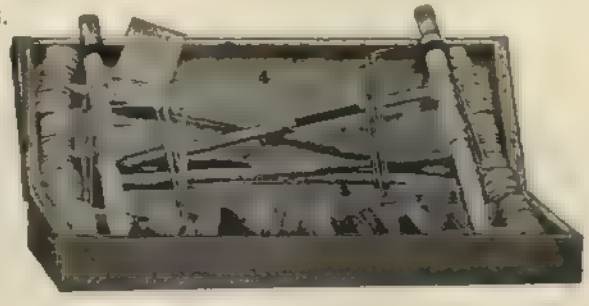
Six Ball Sets

No. 7—Rock maple; painted and varnished balls and stakes beaded mallets; weight per set 17½ pounds..Per Set **$6.00**

Eight Ball Sets

No. 8 Rock maple; painted and varnished balls and stakes, beaded mallets, weight per set 20 pounds.....Per Set **$6.50**

All boxes are flat and dovetailed, and have hinged cover. A book of rules and instructions with each croquet set. Packed three sets in a crate



Eight Ball Sets

No. 0—Rock maple; fancy; hand turned; shellac finish; 6 inch mallets; ebonized and bronzed; ebonized balls, large beaded 8 color stakes; weight per set 26½ pounds.....Per Set **$12.50**

No. AAA—Boxwood finish; hand turned; shellac finish; 9 inch mallets and balls; 8 color stakes; weight 18 pounds.....Per Set **$14.00**

No. 3—Highly polished; 5½ inch mallets; three stripes on balls and mallets, 8 color stakes; weight per set 22¾ pounds.....Per Set **$8.50**

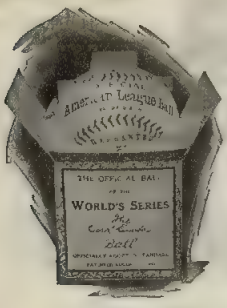
No. 4—Full varnished; polished balls; white maple handles; three stripes on balls beaded 5½ inch mallets beaded stakes, weight per set 22½ pounds.....Per Set **$8.00**

No. XX Painted and varnished mallets and balls; 8 color stakes and ten polished arches; weight per set 14 pounds.....Per Set **$7.00**

All boxes are flat and dovetailed, and have hinged cover. A book of rules and instructions with each croquet set. Packed three sets in a crate

BASE BALLS

REACH



The "Official" American League Ball, used Exclusively by the American League Teams. The Unequaled Construction and the Absolute Superiority of the Materials Used Produce Balls Which Maintain the Requisite Playing Qualities for a Longer Period Than Any Other Balls Made.

The Cork Center, a Reach Patent, Consists of a Live Cork Core Inside the Regular Pure Rubber Center. This Assures More Constant and Uniform Service Due to the Action of the Center in Preserving the Liveliness of the Ball.

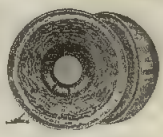
Each Ball Exactly Conforms with Official Specifications, Making it Official for All Games. Guaranteed to Last a Full Game.

Every Reach Cork Center Ball is Identically the Same as Those Supplied the American League. Every Ball a "World Series Ball."

Per Dozen

No. 0—Retail $2.00 Each..... **$16.00**

One dozen in a box. Weighing about 4¼ lbs.



CORK CENTER

CONTINENTAL LEAGUE

Rubber Center Wound with Fine Wool Yarn, Horsehide Cover, Double Stitched with Red and Blue Thread. Official in Size and Weight. and Guaranteed to Last a Full Game.

Per Dozen

No. 3C—Retail $1.50 Each... **$12.00**

One dozen in a box.
Weighing about 4¼ lbs.

ATHLETIC LEAGUE

This Ball is Made of Excellent Materials and Will Give Good Service. Horse Hide Cover. Rubber Center. Regulation Size and Weight.

Per Dozen

No. 6—Retail $1.00 Each..... **$7.50**

One dozen in a box.
Weighing about 4¼ lbs.

BOUNDING ROCK

A Moderate-Priced Ball, Well Made of Good Materials. Has a Rubber Center and Genuine Horse Hide Cover, Stitched with Linen Thread. One of the Popular Sellers. Regulation Size.

Per Dozen

No. 7—Retail 75c Each..... **$6.00**

One dozen in a box.
Weighing about 4¼ lbs.

COCK OF THE WALK

An Excellent Ball for Amateur Use. Durable Materials are Used in the Construction. A Well-Stitched, Strong Horse Hide Cover Assures Wear. It is Made in Regulation Size.

Per Dozen

No. 8—Retail 50c Each..... **$4.00**

One dozen in a box.
Weighing about 4¼ lbs.

AMATEUR LEAGUE

A Full-Size Ball Made of Good Materials to Stand Rough Use. Strong, Waterproof Genuine Horsehide Cover, Well Stitched with Linen Thread.

Per Dozen

No. 8A—Retail $.25 Each..... **$2.25**

One Dozen in a Box.
Weighing about 4 lbs.

BOUNDER

Boys' Size. Strong, Waterproof Imitation Leather Cover, Well Stitched with Heavy Thread. The Best Cheap Boys' Ball on the Market.

Per Dozen

No. 12—Retail 10c Each..... **85c**

One dozen in a box.
Weighing about 3½ lbs.

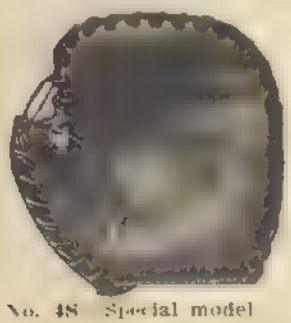
BASEMENS MITTS

REACH

"Hold Fast" Model

Made of best grade of brown Reaco horsehide; roll leather binding and leather welted seams. leather laced edge for padding adjustment; hold fast back and laced glove thumb adjustable thumb strap and buckle

No. 8HF—"Hold Fast" mode .....Each $10 00
One in a box.



Special Model

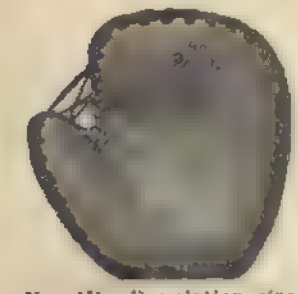
Reaco golden brown horsehide; leather laced and bound; trap thumb lacing, hand made asbestos felt hinge padding; strap and buckle at wrist with hand-protecting extension under buckle, deep flexible pocket

No. 4S Special model Each $8 00
One in a box.

Standard Model

Good grade of genuine black horsehide; roll leather binding; hand-formed padding, leather laced around edge; trap laced thumb; strap and buckle at wrist

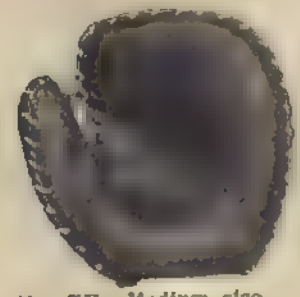
No. 5R -Standard model.....Each $5 00
One in a box.



Regulation Size

Choice ecru horsehide strong leather binding; leather laced; carefully padded; trap lacing at thumb; strong uniform lacing; strap and buckle at the wrist improved model

No. 4R—Regulation size .....Each $3.50
One in a box



Medium Size

Made entirely of brown tan mitten leather; full leather laced edge; carefully padded. trap lacing at thumb; strap and buckle at the wrist.

No. XR—Medium size .....Each $2.00
One in a box.

Note—When ordering a mitt for left hand players, specify "Full Right."

FIELDERS GLOVES

REACH

Standard Size

Specially tanned and oil treated horsehide; hand made pad of finest felt; deep pocket; tough wearing glove leather lined; rolled leather edges tightly bound; linen thread stitched seams; trap lacing at thumb. laced wrist for adjustment of padding.

No. AR—Standard size . .....Each $8 00
One in a box.

Special Model

Golden brown Reaco smooth grained horsehide; heavier than the usual glove leather; special glove leather lining; leather welted seams, diverted feature; rolled leather binding; hand formed padding; laced at wrist.

No. GB Special model.....Each $7 50
One in a box

Special Model

Reaco suede finished horsehide inside and out; medium padding, double finger tips, reinforced with same material as outside of glove; diverted leather welted seams; rolled leather binding; hand made pad; laced at wrist.

No. EC—Special model .....Each $7 00
One in a box

Professional Model

Finest selection of Reaco golden grain horsehide; full leather lining; rolled leather binding; diverted leather welted seams; special hand formed padding; laced wrist allows adjustment of padding.

No. 2 Professional model. .Each $6 00
One in a box

Professional Model

Selected smoked horsehide; full leather lining; leather welted seams and binding; hand made padding with deep pocket; laced wrist allows adjustment of padding.

No. 80—Professional model .....Each $5 00
One in a box.

Note—When ordering a glove for left hand player, specify "Full Right."

FIELDERS GLOVES

REACH

League Model

Genuine cream horsehide; full leather lining; roll leather binding; leather welted seams; hand made padding; laced wrist allows adjustment of padding

No. 9GI—League Model ..... Each $4 00
One in a box

Club Special

Genuine black horsehide; full leather lining; all seams are leather welted; wide little finger model; medium padding; web thumb; improved laced heel.

No. 50—Club Special ..... Each $2 50
One in a box

Regulation

Mahogany horsehide leather; full leather lining; laced wrist permits adjustment of padding a duplicate of the regulation professional model

No. 10G—Laced ..... Each $2 00
One in a box

Youth's Special

Brown glove leather; khaki lined with leather palm lining; leather welted seams; medium heel; deep pocket; professional model

No. 54—Youth's Special . . . Each $1 50
One in a box

Youth's Model

Dark brown glove leather; well padded with felt; palm lining of good grade leather; web thumb; regulation size

No. 18C—Youth's Model ..... Each $0.75
One in a box.

Note—When ordering a glove for left hand player, specify "Full Right."

FIELDERS GLOVES

REACH

Boys' Size

Brown glove leather; felt lined palm with padded heel; outseam model; web thumb. A strong and practical glove for the boy

No. 24—Boys' Size ..... Each $0 50
One in a box

Note—When ordering a glove for left hand player, specify "Full Right."

CATCHERS MASKS

REACH

Club Special

Tempered steel wire; reinforced joints; open vision feature; adjustable leather pad and head straps; removable transparent sun shade.

No. 20S—Club Special ..... Each $5.00
One in a box.

Youth's Model

Black enameled steel wire; leather face pads and adjustable head strap.

No. 3M—Youth's Model ..... Each $2 00
One in a box.

BODY PROTECTORS

REACH

Catchers

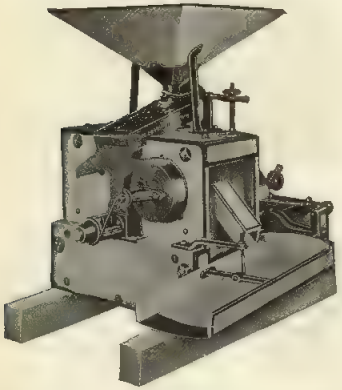
Khaki canvas leather bound; laced edge to permit padding adjustment; padded extension over the shoulders; with adjustable straps.

No. 84—Catchers Body Protector ..... Each $5.00
One in a box.

Mail Orders come to us unexpected but never catch us unprepared to fill them with dispatch. If you want service let us fill that order.

CORN AND FEED MILLS

*CORN KING



The Corn King mill is especially built for making the old-fashioned "water ground" meal which commands a premium on every market.

It will also grind graham, whole wheat and buckwheat flour and any grain or mixture of grain into soft feed

The Corn King is the only popular priced mill on the market containing genuine Brushite blue pebble stone burrs. This stone will not glaze or get slick and will grind cooler and faster and wear longer without dressing than any other mill stone.

Corn King mills are built in eight sizes to meet every need, from individual farm work to that of the largest custom mills.

Every mill is fully guaranteed

In the construction of these mills thoroughly seasoned forest pine is used for the framework, the burrs are carefully selected, properly furrowed and paired up to match in texture and equal in hardness.

The grain feed is regulated by a hand wheel and is easily adjusted to any capacity.

Each mill is fitted with specially made ball bearings, which work against the thrust end of the shaft which is made of cold rolled steel, carefully machined

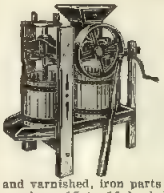
They are equipped with double screen-cleaning shoes and patented reverse lock lever controlling the fineness of the meal, and bolter burrs cannot jar apart or run together while the mill is in operation.

Size No.	Horse Power	Pulley, In.	Capacity Per Hour, bu	Speed, R. P. M	Weight, lbs.	Each
1-14	4 to 8	10x6	5 to 7	800	780	$231 00
2-16	6 to 8	12x6	6 to 8	760	870	252 00
3-18	6 to 8	12x6	7 to 9	730	1030	283 00
4-20	6 to 10	12x6	8 to 10	700	1160	315.00
5-22	6 to 10	14x6	8 to 12	650	1260	367.50
6-24	8 to 12	14x6	10 to 15	625	1360	412.50
7-26	10 to 15	16x8	10 to 20	600	1640	450 00
8-30	15 to 25	16x8	16 to 25	500	1935	525 00

*Not carried in stock; will ship from factory, North Wilkesboro, N. C.

CIDER MILLS AND PRESSES

CIDER MILLS



The Senior

A large powerful mill of ample capacity where much fruit is handled. Equipped with two cranks for ease in operation.

Hardwood frames, poplar troughs which are tasteless, improved grinders and rolls, extract all the juice, steel shafts and press screws, self-aligning boxes, parts are all carefully machined and assembled, wood parts are all striped and varnished, iron parts painted and decorated. Capacity per hour 15 to 18 bushels. Tubs 14x17 in. Legs 46 in. Press screw 2x23½ in. Pulley 2½x18 in.

Senior Weight 340 lbs. . . . . Each **$123.00**

Medium and Junior

Regularly equipped with a crank and heavy 16 in. balance wheel for hand operation. In materials used and details of construction including the self aligning bearings, they are practically the same as the Senior.

In size and capacity both are smaller, the Junior being the lightest of the three.

Size, name	Medium	Junior
Capacity per hour, bushels	10 to 12	6 to 8
Tubs, in.	12x14	10x12
Legs, in.	40	30
Press screw, in.	1½x20½	1⅛x18¾
Weight, lbs.	225	180
Each	$79 50	60 00

Self-Feed

Not complicated, large balance wheel, will handle all sizes of apples without clogging, heavy iron cross head, two adjusting plates, easily operated, an ideal equipment for private use.

Capacity 5 to 7 bushels per hour. Tub 14x12 in. outside. Legs 40 in Press screw 1¼x24½ in.

Self-Feed Weight 135 lbs . . . . . Each **$52.50**

FRUIT PRESSES

Bowls of 24 gauge high grade tin plate with top and bottom rings, inside bowl is riveted and has lock seam for strength, it is also soldered

Press is easily taken apart, cleaned and re-assembled. All parts touching the fruit are heavily coated with pure tin. Cut shows the 6 qt. size; the 12 qt. press has long legs and stands 28 in. over all.

Capacity, qts.	6	12
Inner bowl, in.	8x7½	8x10½
Weight, lbs.	18	36
Juicy Fruit Press—Each	$13.50	19.50

One in a carton.

RED DEVIL GLASS FRONT PLIER DISPLAY CASES

No. SB42

A Beautiful Quartered Oak Silent Salesman Display Board, 18 x 42 x 2½ Inches, With Glass Door. Attractively Mounted with 42 Popular "Red Devil" Pliers.

Display Consists of One each of the Following with Resale Prices Given:

		Retail Each
3925– 6¼"	STANDARD forged steel	$0.25
3925– 6½"	STANDARD forged steel	.30
825– 6½"	TRACTOR forged steel	.50
725– 6½"	NEW BUTTON cutter	.60
924– 6½"	NARROW nose	.60
924– 6½"	NARROW nose	.60
828– 8"	TRACTOR forged steel	.75
726– 8"	NEW BUTTON cutter	.75
20– 5"	FLAT nose	.85
21– 6"	ROUND nose	.85
1024– 5½"	ORIGINAL thin nose	.90
999 6¼"	NUT WRENCH	1 00
1000K 8"	HEAVY COMBINATION button	1 00
725–10"	NEW BUTTON cutter	1.00
50– 4"	STANDARD lineman	1 00
39– 5"	RADIO REAMER cutter	1 00
40– 6"	RADIO SNIPE nose cutter	1 00
444– 7½"	PLI-WRENCH	1.00
925– 6½"	MACHINIST'S "V" nose	1.00
623 5"	LIGHT CHAIN nose cutter	1 10
1024– 6½"	ORIGINAL thin nose	1.25
600– 5"	LIGHT FLAT nose cutter	1.10
50– 5"	STANDARD lineman	1.16
999– 8¼"	NUT WRENCH	1.20
1033– 6"	LONG NEEDLE nose	1.25
1326– 7"	UNIVERSAL slip joint	1.25
925– 8"	MACHINIST'S "V" nose	1.25
942 5"	DIAGONAL cutter	1.35
50– 5"	STANDARD lineman	1.40
654 6"	LONG REACH cutter	1 50
652 6½"	SQUARE REAMER cutter	1.60
542 6¾"	HEAVY diagonal	1 60
942 6"	DIAGONAL cutter	1 50
650 6"	EX LONG flat nose cutter	1.60
92 -10"	MACHINIST'S "V" nose	1.50
950 - 7"	SIDE CUTTER slip joint	1.60
50– 8"	STANDARD lineman	1.85
1950– 7"	HEAVY LINEMAN'S cutter	2.00
1950 8"	HEAVY LINEMAN'S cutter	2.25
1960– 9"	HEAVY LINEMAN'S cutter	3.00

TOTAL RESALE VALUE *$49.10*

No. SB42

Retail Value **$49.10**

Costs Dealer Including Case. **$31.00**

No. SB64

A Beautiful Quartered Oak Silent Salesman Display Board, 24 x 48 x 2½ Inches, With Glass Door, Attractively Mounted with 64 Popular "Red Devil" Pliers. Display Consists of One each of the Following with Resale Prices given.

		Retail Each
3925– 6¼"	STANDARD forged steel	$0.25
3925– 6½"	STANDARD forged steel	.30
825– 6½"	TRACTOR forged steel	.50
924– 6½"	NARROW NOSE	.60
924 6½"	NARROW NOSE	.60
725– 6½"	NEW BUTTON cutter	.60
124 6"	BENT nose	.60
21 6"	ROUND nose	.75
826 8"	TRACTOR forged steel	.75
726– 8"	NEW BUTTON cutter	.75
20– 5"	FLAT nose	.85
22– 5"	SNIPE nose	.85
21 5"	ROUND nose	.85
1024 6¼"	ORIGINAL thin nose	.90
825–10"	TRACTOR forged steel	1.00
999 6¼"	NUT WRENCH	1.00
1000K 8"	HEAVY COMBINATION button	1 00
725—10"	NEW BUTTON cutter	1.00
50– 4"	STANDARD lineman	1.00
256– 4¼"	LIGHT END nipper	1.00
39– 5"	RADIO REAMER cutter	1.00
40– 5"	RADIO SNIPE nose cutter	1.00
444 7½"	PLI WRENCH	1.00
92 - 6½"	MACHINIST'S "V" nose	1.00
622– 5"	LIGHT CHAIN nose cutter	1 10
1024– 6½"	ORIGINAL thin nose	1.10
500– 5"	LIGHT FLAT nose cutter	1.10
50– 5"	STANDARD lineman	1.16
999– 8¼"	NUT WRENCH	1 20
3900 7"	UNIVERSAL cutter	1.20
942– 5"	DIAGONAL cutter	1 25
50 5"	STANDARD lineman	1.25
72 6"	DOUBLE HAMMER end nipper	$1 25
1033— "	LONG NEEDLE nose	1 25
1326– 7"	UNIVERSAL slip joint	1.25
925– 8"	MACHINIST'S "V" nose	1.25
942– 8"	DIAGONAL cutter	1 25
1000K 10"	HEAVY COMBINATION button	1.35
850– 5¼"	SEXTET side shear cutter	1.35
50– 7"	STANDARD lineman	1.50
654– 6"	LONG REACH cutter	1.50
622 5"	LIGT CHAIN nose cutter, nickel plated	1.50
652– 6½"	SQUARE REAMER cutter	1 50
542– 6¾"	HEAVY diagonal	1.50
926– 8"	BENT nose	1.50
942– 6"	DIAGONAL cutter	1 50
72 7"	DOUBLE HAMMER end nipper	1.50
777– 6"	NEEDLE nose	1.50
650 6"	EX LONG flat nose cutter	1.50
925 10"	MACHINIST'S "V" nose	1.50
19-0- 6"	HEAVY LINEMAN'S cutter	1 60
950– 7"	SIDE CUTTER slip joint	1.60
50– 8"	STANDARD lineman	1.85
655– 7"	NEEDLE NOSE cutter	1.75
926-10"	BENT Nose	1.75
777– 7"	NEEDLE nose	1.75
888– 6"	BENT NEEDLE nose	1.75
654– 7"	LONG REACH cutter	1.75
1950– 7"	HEAVY LINEMAN'S cutter	2.00
1950– 8"	HEAVY LINEMAN'S cutter	2.25
1650– 7"	LINEMAN'S double cutter	2.50
1950– 9"	HEAVY LINEMAN'S cutter	3.00
1650– 8"	LINEMAN'S double cutter	3.00
4950– 8"	INSULATED tested 10,000 volts	4.25

TOTAL RESALE VALUE *$84.55*

Retail Value **$84.55**

No. SB64

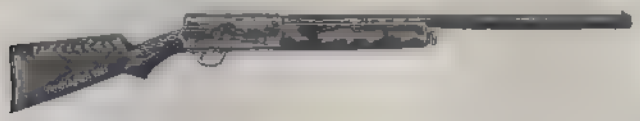
Costs Dealer Including Case **$53.95**

SHOT GUNS

REMINGTON AUTO-LOADING

These guns are especially designed for very quick shooting. They combine all the good features to be found in any gun, and more; they are a hammerless, auto-loading, ejector, repeating gun. After a shot has been fired, the recoil opens the breech, ejects the empty shell, inserts a new one, cocks the hammer, closes and locks the breech, and leaves the arm ready to be fired again by simply pressing the trigger. The receiver is solid on top, which keeps dirt and rain from getting in. The breech bolt does not slide out, nor is there any kind of opening in the rear; consequently it is impossible, no matter what might occur, for gas, grease, firing pin, breech bolt, bursted head of shells or anything else to fly back through the receiver in the eye or face. The top of the receiver is finely matted, which is of great assistance in taking quick, accurate aim.

Full choke barrel will shoot 70% of the load or over in a 30 inch circle at 40 yards.



Hammerless, Take Down, Model No. 11, Five Shot. Standard Grade.

Barrel—Remington steel, full choke, modified or cylinder bore.

Stock—American walnut, with half pistol grip not checkered; rubber butt plate; length of stock 14 inches; drop 2½ inches at heel and 1⅝ inches at comb. Extra charge for any variations from these dimensions.

When ordering, specify length of barrel.

	Each
No. 11A-30—12 gauge, 30 in barrel; wt 8 lbs	$166 50
No. 11A—12 gauge, 26 or 28 in. barrel; wt 7¾ lbs	166 50
Extra Barrels for above gun	✣68 25
No. 11A1—Same as No. 11A, except it has two interchangeable barrels, viz.: one 26 in. cylinder bore and 28 in. full choke	234 75
No. 11A-MR—Same as No. 11A, except has matted rib, furnished in 28 in. modified or full choke only	192 00
No. 11A1-MR Same as No. 11A, except it has two matted rib interchangeable barrels, viz: one 26 in. cylinder bore and 28 in. full choke	286 20

Ten in wood case.

Riot Grade.

For express messengers, guards, banks, or home protection, street disturbances, etc., no small arm is so effective as this gun, loaded with buckshot, with 20 inch cylinder bore barrel, otherwise same as No. 11R.

	Each
No. 11R—12 gauge, 20 in. barrel, wt 7½ lbs	✣$166 50

Ten in wood case.

Fore Ends.

	Each
No. Y39—Fore end for No. 11A Remington Shot Guns	$5 55

✣F. O. B. New York Factory Only.

SHOT GUNS

REMINGTON AUTO-LOADING

Hammerless, Take Down, Model No. 11, Five Shot. Special Grade.

Barrel—Remington steel; full choke, modified or cylinder bore.

Stock—Selected English walnut, half pistol grip and fore-arm neatly checkered; rubber butt plate.

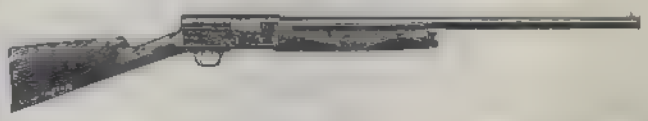
Length of stock, 14 inches; drop 2½ inches at heel, and 1⅝ inches at comb. Extra charge for any variations from these dimensions.

When ordering, specify length of barrel, and style of boring desired.

	Each
No. 11B—12 gauge, 26 or 28 in. barrel; wt 7¾ lbs	✣$241 50
Extra Barrels for No. 11B gun	✣68 25

Ten in wood case.

REMINGTON AUTO-LOADING



Hammerless, Take Down, Model No. 11, Five Shot Trap Grade.

Barrel—Remington steel; full choke, modified or cylinder bore.

Stock—Selected English walnut; straight grip and fore-arm, checkered; rubber butt plate, length of stock 14¼ inches, drop 2½ inches at heel, and 1⅝ inches at comb. Extra charge for any variations from these dimensions.

	Each
No. 11C—12 gauge, 26 or 28 in. barrel; wt 7¾ lbs	✣$241 50
Extra Barrels for No. 11C gun	✣68 25

Ten in wood case.

REMINGTON AUTO-LOADING

Hammerless, Take Down, Model No. 11, Five Shot Tournament Grade.

Barrel Remington steel, cylinder, modified or full choke bored; barrel and receiver finished in a rich scroll hand engraving.

Stock—Fine English walnut; half pistol grip and fore-arm finely checkered; rubber butt plate; length of stock 14 inches; drop 2½ inches at heel and 1⅝ inches at comb.

We can furnish this grade, made to order, with straight grip and any dimensions of stock desired, without extra charge.

When ordering, specify length of barrel, and style of boring desired.

	Each
No. 11D—12 gauge, 26 or 28 in. barrel; wt 7¾ lbs	✣$429 00
Extra Barrels, 26 or 28 inch	✣79 50

Ten in wood case.

✣F. O. B. New York Factory Only.

SHOT GUNS

REMINGTON AUTO-LOADING

Hammerless, Take Down, Model No. 11, Five Shot. Expert Grade.

Barrel—Remington steel; cylinder, modified or full choke bored; barrel and receiver finished with a beautiful deep scroll hand engraving, with panel on left side of receiver.

Stock—Choicest imported walnut, half pistol grip and fore-arm handsomely checkered by hand; silver name plate inlaid in stock; rubber butt plate; length of stock 14 inches; drop 2½ inches at heel, and 1⅝ inches at comb.

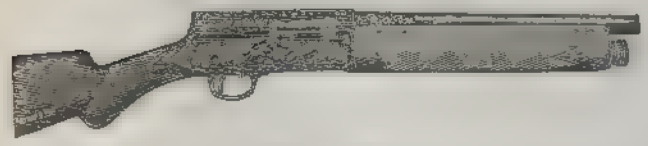
We can furnish this grade, made to order, with straight grip and any dimensions of stock desired, without extra charge.

When ordering, specify length of barrel and boring desired.

	Each
No. 11E—12 gauge, 26 or 28 in. barrel; wt 7¾ lbs	✣$629 55
Extra Barrels, 26 or 28 in	✣ 108 00

Ten in wood box.

REMINGTON AUTO-LOADING



Hammerless, Take Down, Model No. 11, Five Shot. Premier Grade.

Barrel—Remington steel; cylinder, modified or full choke bored. The hand engraving on the barrel and receiver is a work of art, the exquisite game panels are surrounded by deeply shaded scroll and border engraving, which brings out the game in relief.

Stock—Finest Circassion walnut, half pistol grip and fore-arm finished with delicate but elaborate checkering; rubber butt plate; gold name plate, owner's initials engraved on name plate if so desired. Length of stock 14 inches; drop 2½ inches at heel and 1⅝ inches at comb.

We can furnish this grade made to order with straight grip and any dimensions of stock desired, without additional charge.

When ordering, specify length of barrel and boring desired.

	Each
No. 11F—12 gauge, 26 or 28 in. barrel; wt 7¾ lbs	✣$831 00
Extra Barrels—26 or 28 in	✣ 124 95

Ten in wood case.

EXTRAS

For Remington Model No. 11 Auto-Loading Shot Guns.

In all cases, extra barrels must be fitted at the factory.

When ordering extra barrels for guns already in use, the complete gun, including the old barrel, must be returned to the factory, so that both barrels may be made to interchange on the same receiver.

	Each
***Solid Ribbed** barrel, add to price of plain barrel	✣$25 80
Raised Ventilated Rib	✣ 41 85
Any length or drop of stock made to order at an advance of	47 85

*The solid ribbed barrel is particularly appreciated by shooters who have used a double gun and therefore are accustomed to a continuous line of sight. It also prevents the reflection of light on the top of the barrel from interfering with the shooter's sight. The barrel and rib are made in one solid piece, hence a rib can not be fitted to a plain barrel.

✣F. O. B. New York Factory Only.

RIFLES

REMINGTON REPEATING

The Remington solid breech hammerless take down 22 caliber repeating rifle is the latest addition to the modern Remington idea. It is modeled after the lines of the Remington pump gun, which has established the reputation of having the most graceful lines of any repeating arm on the market.

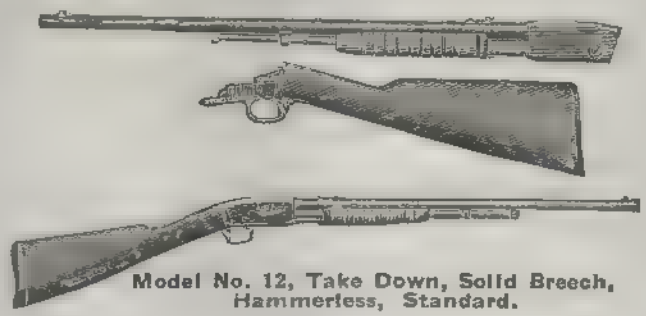
The action is strong and simple, and has fewer parts than any other repeating rifle. The positive extraction and feeding of cartridges and the absolute locking of the action when cocked, together with other excellent features, places this rifle far in the lead

Solid Breech—The top and rear of the receiver is positively closed, protecting the shooter's face from blow backs, gases, etc., and preventing rain, dirt or foreign substances of any kind from entering the action.

Safety—The safety which is absolutely positive, is conveniently located just back of the trigger, and when set securely locks the trigger, thus preventing accidental discharge.

Side Ejector—The ejected shell is thrown out the side, away from shooter, and in no way interferes with the aim in rapid shooting. The ejector slot is of sufficient size to readily admit of single loading.

To Take Down the Gun—Unscrew the assembling screw on the left hand side of receiver (a stop pin prevents its dropping out); holding the barrel and fore-end in one hand and stock in the other hand, pull gun apart, cock hammer before putting gun together.



Model No. 12, Take Down, Solid Breech, Hammerless, Standard.

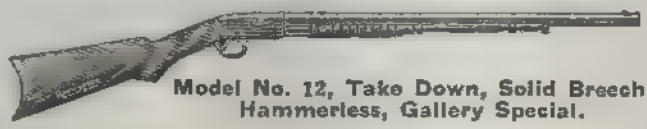
16 Shot.

Remington steel, round barrel, 22 inches long, straight grip; walnut stock; fitted with rubber butt plate; weight 4½ lbs.

Chambered to take without any adjustment, 22 short, long and long rifle cartridges. Magazine capacity 16, 22 short, 12 long or 11 long rifle cartridges.

	Each
No. 12A—22 caliber; shoots the following R. F. cartridges: **22 Shorts**, Nos. 22SL, 22SB, 22SSU, 22SSG, 22SSHP, 22SLHP; **22 Long**, Nos. 22LL, 22LB, 22LSU, 22LSG, 22LSUHP, 22LLHP; **22 Long Rifle**, Nos. 22LRL, 22LRS, 22LRSHP, 22LRLHP	$58 95

Ten in wood case; wt per case about 65 lbs.



Model No. 12, Take Down, Solid Breech, Hammerless, Gallery Special.

16 Shot.

Stock with half pistol grip; fitted with steel rifle butt plate. Weight 5½ lbs. Chambered for 22 short cartridges only. Magazine capacity 16 cartridges.

	Each
No. 12B—22 caliber; shoots 22 shorts only, Nos. 22SL, 22SB, 22SSU, 22SSG, 22SSHP and 22SLHP	$68 55

Ten in wood case; wt per case about 80 lbs.

REVOLVERS
U. S.

Hammer.
Double action, solid frame, rubber handle, 2½ inch barrel.

22 Caliber, Rim Fire, 5 Shot.
Chambered for 22 short, 22 long and 22 long rifle cartridges.

	Each
No. US22—Nickel plated	$11 40

32 Caliber, Center Fire, 5 Shot.
Chambered for 32 S. & W. cartridges.

	Each
No. US32—Nickel plated	$11 40

38 Caliber, Center Fire, 5 Shot.
Chambered for 38 S. & W. cartridges.

	Each
No. US38—Nickel plated	$11 40

One in cardboard box.

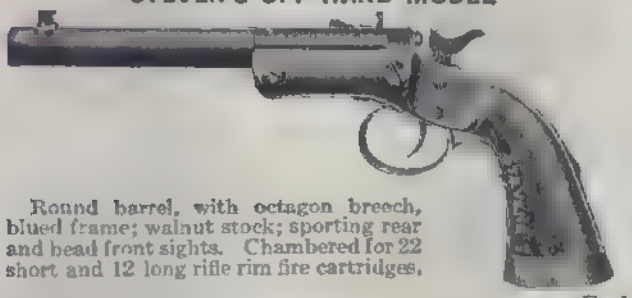
DERRINGERS
REMINGTON DOUBLE

Double barrel, 2 shot. Chambered for 41 short rim fire cartridges.

	Each
No. 0241—Blued, rubber stock	$28 38

One in box; wt each 11 ozs.

TARGET PISTOLS
STEVEN'S OFF HAND MODEL

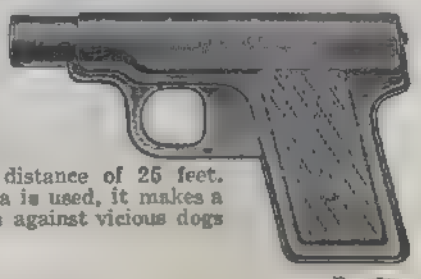


Round barrel, with octagon breech, blued frame; walnut stock; sporting rear and bead front sights. Chambered for 22 short and 12 long rifle rim fire cartridges.

	Each
No. 35-6—6 in barrel	$29 25
No. 35-8—8 in barrel	31 50

One in cardboard box; wt each 1½ lbs.

LIQUID PISTOLS
DAISY



Blued steel finish. Simple to load and discharge, no rubber bulb to get out of order.

Designed after the latest automatic pistol. Throws a fine stream of water a distance of 25 feet. When dilute ammonia is used, it makes a very effective weapon against vicious dogs or other animals.

	Per Doz
No. 8LP—Length 5½ ins; wt each 5½ ozs	$6 30

One in cardboard box; one gro in case.

PEARL STOCKS

Pearl properly speaking, Mother of Pearl) is cut from the inside of the shell. A portion of the pearl is yellow and a portion is blemished, balance fair to fine. We use for our pearl stocks only the best selected material, and for this reason our prices cannot be as low as you may find quoted on inferior grades. Our prices, however, are in keeping with the quality.

	Per Pair
No. 10—For Remington derringers, 41 caliber; wt per pair 1 oz	✚$5 70

One pair in paper.

For Iver-Johnson revolvers.

	Per Pair
No. 12—Fits 32 caliber, hammer and hammerless; wt per pair 1½ ozs	$4 80
No. 13—Fits 38 caliber, hammer and hammerless; wt per pair 2 ozs	5 70

One pair in paper.

For Smith and Wesson revolvers.

	Per Pair
No. 14—Fits 32 caliber, double action; wt per pair 1¼ ozs	$4 80
No. 14½—Fits 22 caliber, hand ejection; wt per pair 1 oz	4 80
No. 15—Fits 32 caliber, New Departure hammerless; wt per pair 1½ ozs	4 95
No. 16—Fits New Departure hammerless and 32 caliber hand ejector, Model 1903; wt per pair 1 ozs	5 70
No. 17—Fits 32 and 38 caliber Military and Police, Model 1902; wt per pair 2¼ ozs	9 45
No. 17½—Fits 32 and 38 caliber Military and Police, Model 1905; wt per pair 2¾ ozs	12 75

One pair in paper.

	Per Pair
No. 18—Fits Colt's New Police, Police Positive Special and Police Positive Target; wt per pair 2¼ ozs	$9 45
No. 19—Fits 38 and 44 caliber Colt's Army Special; wt per pair 3¾ ozs	12 75
No. 20—Fits 45 caliber S. & W. Government 1917 model, military and police 1905 model, 44 caliber; wt per pair 3¼ ozs	13 95

One pair in paper.

	Per Pair
No. 21—Fits Colt's New Pocket Positive Revolver; wt per pair 1½ ozs	$6 30
No. 22—Fits 32 and 38 caliber regulation police revolvers; wt, per pair 1¾ ozs	✚32 25

One pair in paper.

	Per Pair
No. 23—Fits Colt's Single Action Army and Frontier Model; wt per pair 2 ozs.	✚$25 20

One pair in paper.

For Colt's Automatic.

	Per Pair
No. 8—Fits 25 caliber.	$ 6 30
No. 9—Fits 32 caliber	11 25
No. 11—Fits 45 caliber	✚ 24 30
No. 25—Fits Colts "New Service"	✚ 28 95

One pair in paper; wt per pair 8 ozs.

	Extra Per Pair
Engraving—Steer head on Colt's pearl stocks listed above	$18 00

✚F. O. B. New York Factory Only.

D 9

RIM FIRE CARTRIDGES

(Cartridges, Loaded Shells, Primed Empty Shells and Caps are not Mailable.)

BB Caps.

Adapted to Flobert and all 22 cal. rim fire single shot rifles; 20 grain lead bullet.

Per 1000

BBS Caps—Smokeless powder, round ball..... 7 89 *$3 50*

100 in box, 10,000 in case; wt per case 45 lbs.

CB Caps.

No. SCS22 Stevens rifles, Flobert and all 22 cal. rim fire single shot rifles; black powder load, 1¼ grains, with 29 grain lead bullet.

Per 1000

CBS Caps—Black smokeless powder, conical ball.. 9 93 *$4 40*

100 in box, 10,000 in case; wt per case 58 lbs.

22 Shorts.

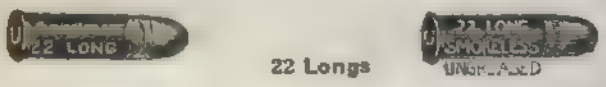
For Winchester Rifles Nos. 2206, 2190, WTT22, 2200 and WO422, Remington Rifles Nos. 1RS, 2RGS, 3RT, 622, 422 and RBS22, Marlin Rifles Nos. 2922, M2022, 9222 and 9722, Savage Rifles Nos. SH22 and SS22, Stevens Rifles Nos. 7022S, 7022L, LS22 and 1722, Hamilton Rifles, Nos. H2722, HO2722 and H3622; also pistols and revolvers.

Black powder load, 4 grains, with 29 grain bullet.

Per 1000

22SL—Lesmok powder, lead bullet..... 11 28 *$5 00*
22SSU—Smokeless powder, ungreased bullet..... 12 06 *5 35*
22SSG—Smokeless powder, greased bullet..... 12 06 *5 35*
22SSHP—Smokeless pwd., hollow pt. bullet..... 12 96 *5 75*
22SLHP—Lesmoke pwd., hollow point bullet..... 12 42 *5 50*

50 in box, 10,000 in case; wt per case 66 lbs.



22 Longs

For Winchester Rifles Nos. 2206, 2290, WTT22, 2200 and WO422, Remington Rifles 1RS, 3RT, 622 and 422, Marlin Rifles Nos. 2922, M2022, 9222 and 9722, Savage Rifles No. SH22 and SS22, Stevens Rifles Nos. 7022L, LS22 and 1722, Hamilton Rifles Nos. H2722, H02722 and H3522; also pistols and revolvers.

Black powder load, 5 grains, with 29 grain bullet.

Per 1000

22LL—Lesmok powder, lead bullet..... 13 53 *$6 00*
22LSU—Smokeless powder, ungreased..... 16 92 *7 50*
22LSG—Smokeless powder, greased..... 16 92 *7 50*
22LSUHP—Smokeless powder, ungreased, hollow point..... 18 06 *8 00*
22LLHP—Lesmok powder, hollow point bullet..... 14 67 *6 50*

50 in box, 10,000 in case; wt per case 78 lbs.

RIM FIRE CARTRIDGES

(Cartridges, Loaded Shells, Primed Empty Shells and Caps are not Mailable.)

22 Long Rifle.

Accurate at all ranges up to 250 yards. Designed for use in rifles chambered for the ordinary long rifle cartridge and should not be used in the light rifles which are more particularly intended for 22 short cartridges.

Can also be used in any pistol, revolver or automatic pistol chambered for the ordinary long rifle cartridge. Used extensively by the British Government during the war. Has much greater penetration than other long rifle cartridges.

Per 1000

No. 22NRA—Lesmoke powder, lead bullet..... 15 63 *$7 00*
No. 22NRAHP—Lesmoke powder, hollow point bullet..... 16 95 *7 50*

50 in box; 10,000 in case; wt per case 80 lbs.

22 Long Rifle.

For Winchester Rifles No. 2206, Remington Rifles Nos. 1RS, 3RT, 622 and 422, Marlin Rifles Nos. 2922, M2022, 9222 and 9722, Savage Rifles, Nos. SH22 and SS22, Stevens Rifles Nos. 7022L, LS22, 1222M and 1722; also pistols and revolvers. Powder 5 grains, 40 grain bullet.

Per 1000

22LRL—Lesmok powder, lead bullet..... 15 78 *$7 00*
22LRS—Smokeless powder, lead bullet..... 19 74 *8 75*
22LRSHP—Smokeless pwd., hlw. point bullet... 21 09 *9 35*
22LRLHP—Lesmok powder, hollow pt. bullet..... 17 16 *7 60*

50 in box, 10,000 in case; wt per case 80 lbs.

Palma, 22 Long Rifle.

These cartridges are adapted to use in all rifles, pistols and fire arms chambered for 22 long rifle cartridges and where a high degree of accuracy at long range is required up to 200 yards.

No. 22LRLP Rim fire, 5 grains Lesmok powder; lead bullet..... Per 1000 15 78 *$7 00*

50 in box; 10,000 in case; wt per case about 88 lbs.

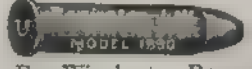
22 Extra Long.

For Remington, Ballard, Stevens, Wesson and other single shot rifles. Lesmok powder load, 6 grains, with 40 grain bullet.

Per 1000

22ELL—Lesmok powder, lead bullet..... 23 70 *$10 50*

50 in box, 10,000 in case; wt per case 94 lbs.



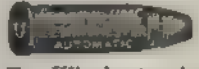
22 Winchester, Model 1890

For Winchester Repeating Rifles, Model 1890; Remington UMC, Winchester and Stevens single shot rifles, also Colt target revolvers

Lesmok powder load, 7 grains, with 45 grain bullet. Per 1000

22WL—Lesmok powder, lead bullet..... 23 70 *$10 05*
22WSU—Smokeless powder, ungreased bullet... 26 52 *11 75*

50 in box, 5000 in case; wt per case 57 lbs.



22 Winchester Automatic.

For Winchester Automatic rifles, No. 2203; 45 grain bullet.

Per 1000

22WA—Smokeless powder, lead bullet..... 26 52 *$11 75*

50 in box, 5000 in case; wt per case 58 lbs.

RIFLES

REMINGTON AUTO-LOADING REPEATING

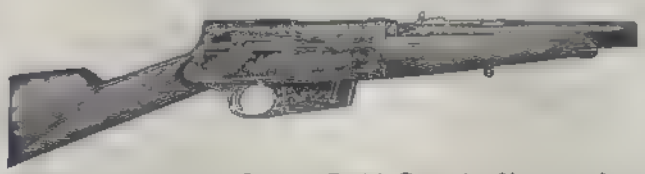
Model No. 8, Take Down, Solid Breech, Hammerless. Five Shot.

Peerless Grade.

Special ordnance steel, round barrel, 22 inches long, fine English walnut straight grip stock, finely checkered grip and fore-end; extra scroll engraving, shot gun butt, rubber butt plate; weight each 7¾ lbs.

	Each
No. 8D-25—25 caliber; shoots Nos. 25RMC and 25RSP center fire cartridges	✚$429 00
No. 8D-30—30 caliber; shoots Nos. 30RMC and 30RSP center fire cartridges	✚ 429 00
No. 8D-32—32 caliber; shoots Nos. 32RMC and 32RSP center fire cartridges	✚ 429 00
No. 8D-35—35 caliber; shoots Nos. 35RMC and 35RSP center fire cartridges	✚ 429 00
Sling Strap and Swivels for above guns, extra	✚8 91

Ten in wood case; wt per case about 110 lbs.



Model No. 8, Take Down, Solid Breech, Hammerless. Five Shots.

Expert Grade.

Special ordnance steel, round barrel, 22 inches long; best English walnut straight grip stock; neatly checkered grip and fore-end; rubber butt plate; extra fine scroll engraving, silver name plate; weight each 7¾ lbs.

	Each
No. 8E-25—25 caliber; shoots Nos. 25RMC and 25RSP center fire cartridges	✚$629 55
No. 8E-30—30 caliber; shoots Nos. 30RMC and 30RSP center fire cartridges	✚ 629 55
No. 8E-32—32 caliber; shoots Nos. 32RMC and 32RSP center fire cartridges	✚ 629 55
No. 8E-35—35 caliber; shoots Nos. 35RMC and 35RSP center fire cartridges	✚ 629 55
Sling Strap and Swivels for above guns, extra	✚8 91

Ten in wood case; wt per case about 110 lbs

Model No. 8, Take Down, Solid Breech, Hammerless. Five Shot.

Premier Grade.

Special ordnance steel, round barrel, 22 inches long, finest Circassian walnut, straight grip stock, with gold name plate and rubber butt plate; grip and fore-end elaborately checkered; finest quality game engraving; weight each about 7¼ lbs.

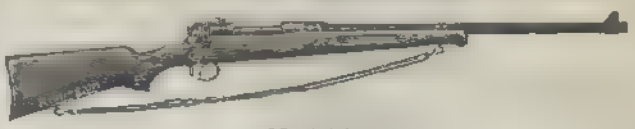
	Each
No. 8F-25—25 caliber; shoots Nos. 25RMC and 25RSP center fire cartridges	✚$831 00
No. 8F-30—30 caliber; shoots Nos. 30RMC and 30RSP center fire cartridges	✚ 831 00
No. 8F-32—32 caliber; shoots Nos. 32RMC and 32RSP center fire cartridges	✚ 831 00
No. 8F-35—35 caliber; shoots Nos. 35RMC and 35RSP center fire cartridges	✚ 831 00
Sling Straps and Swivels for above guns, extra	✚8 91

Ten in wood case; wt per case about 110 lbs.

✚F. O. B. New York Factory Only.

RIFLES

REMINGTON, HIGH POWDER, BOLT ACTION



Model 30

This is of the same design as the model 1917 Army rifle. It is fitted with a new model sporting peep rear sight, adjustable for all ranges from points blank up to 550 yards.

Barrel is 24 inches long, tapered. Made of special high pressure steel. The butt plate is of forged steel, horizontally grooved to prevent slipping and has reinforced toe to prevent injury to wood if the rifle should be used as an alpine stick.

	Each
No. 30-30—30 Caliber, chambered for Springfield 30 Caliber, cartridges 1906 model	✚$174 00

Ten in wood case; wt per case 70 lbs.

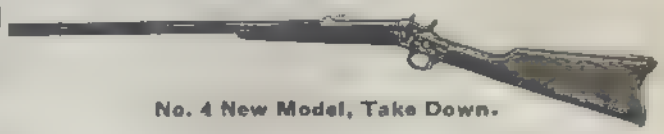
REMINGTON SINGLE SHOT

No. 6 New Model, Take Down.

Decarbonized steel barrel, tapered; accurately bored and rifled; 20 inches long, case hardened frame, finely finished; genuine walnut stock and fore-end, rifle steel butt plate; barrel detached from stock by loosening thumb screw. Cleaning rod with each rifle; weight each about 3½ lbs.

	Each
No. 6-22—22 caliber; shoots the following R. F. cartridges: **22 Shorts,** Nos. 22SL, 22SB, 22SSU, 22SSG, 22SSHP, 22SLHP; **22 Longs,** Nos. 22LL, 22LB, 22LSU, 22LSG, 22LSUHP, 22LLHP; **22 Long Rifle,** Nos. 22LRL, 22LRS, 22LRSHP, 22LRLHP	$16 05
No. 6-32—32 caliber; shoots the following R. F. cartridges: **32 Shorts,** No. 32S; **32 Longs,** No. 32L	16 05

Ten in wood case; wt per case about 55 lbs.



No. 4 New Model, Take Down.

The features that specially recommend this rifle are the simplicity and durability of the action, superior quality of workmanship and material, extreme accuracy, take down round steel barrel and screw adjustment for elevating rear sight, tapered, carefully bored and rifled, genuine walnut stock and fore-arm, forged case hardened frame. Parts of mechanism forged steel, shot gun style butt plate, automatic shell ejector, new sporting rear sight. All parts are interchangeable. Length barrel, 22½ inches. Weight each about 4½ lbs.

	Each
No. 4-22—22 caliber; shoots the following R. F. cartridges: **22 Shorts,** Nos. 22SL, 22SB, 22SSU, 22SSG, 22SSHP, 22SLHP; **22 Longs,** Nos. 22LL, 22LB, 22LSU, 22LSG, 22LSUHP, 22LLHP; **22 Long Rifle,** Nos. 22LRL, 22LRS, 22LRSHP, 22LRLHP	$26 70
No. 4-25—25 caliber; shoots No. 25S and 25SS rim fire cartridges	26 70
No. 4-32—32 caliber; shoots the following R. F. cartridges: **32 Shorts,** No. 32S; **32 Longs,** No. 32L	26 70

Ten in wood case; wt per case about 60 lbs.

✚F. O. B. New York Factory Only.

RIFLES

REMINGTON "MILITARY MODEL"

(Formerly called "Boy Scout" Rifle.)

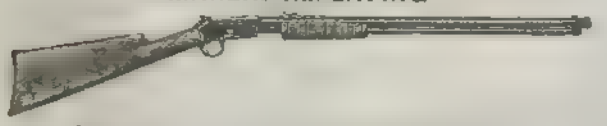
This is a semi-military arm, with sling strap bayonet and scabbard, chambered for 22 caliber short ammunition. It is fitted with a front sight similar to the military type and has a folding rear sight. Its extreme accuracy and splendid handling qualities recommend it particularly for drill and target work, while it has as good penetration as any other 22 caliber rifle.

Remington steel barrel, 28 inches long, length over all 43 inches. Walnut stock and fore-end, dull finish. Weight 5 lbs.

	Each
No. 4S-22—22 caliber, shoots 22 Shorts, Nos. 22SL, 22SB, 22SSU, 22SSG, 22SSHP and 22SLHP	✦$47 10

Ten in wood case; wt per case about 70 lbs.

MARLIN REPEATING



Model No. 37, Take-Down Slide Action.

Handles without change or adjustment all 22 short, 22 long and 22 long rifle cartridges. Slide action; side ejection; solid top. Barrel and receiver blued finish; hard rubber butt plate. Barrel made of best quality gun barrel steel; ivory bead front and flat top Rocky Mountain rear sight. Walnut butt stock and action, slide handle; length barrel 24 inches.

Magazine capacity 15, 22 shorts, 12, 22 long or 10, 22 long rifle cartridges.

22 caliber; shoots R. F. cartridges; **22 shorts**, Nos. 22 SL, 22SB, 22SSU, 22SSG, 22SSHP, 22SLHP; **22 Longs**, Nos. 22LL, 22LB, 22LSU, 22LSG, 22LSUHP, 22LLHP. **22 Long Rifle**, Nos. 22LRL, 22LRS, 22LRSHP, 22LRHP.

	Each
No. 37—24 in. round barrel	$55 20

Ten in wood case, wt each 4 lbs.

MARLIN REPEATING

Model No. 38, Take-Down, Hammerless, Half Magazine. Handles without change or adjustment all 22 short, 22 long and 22 long rifle cartridges. Slide action; side ejection; solid top, closed-in frame. Barrel and receiver blued finish; hard rubber butt plate.

Barrel made of best quality gun barrel steel; ivory bead front and rocky mountain flat top rear sights. Black walnut pistol grip butt stock and action. Slide handle; length butt stock 13½ inches; drop at comb 1 7/16 inches; drop at heel 3 inches; length over all 40 inches. Magazine capacity 15, 22 short, 12, 22 long or 10, 22 long rifle cartridges.

22 caliber; shoots R. F. cartridges; **22 Short**, Nos. 22SL, 22SB, 22SSU, 22SSG, 22SSHP, 22SLHP; **22 Longs**, Nos. 22LL, 22LB, 22LSU, 22LSG, 22LSUHP, 22LLHP; **22 Long Rifle**, Nos. 22LRL, 22LRS, 22LRSHP, 22LRHP.

	Each
No. 38-S 24 in. round barrel	$64 50
No. 38-O—24 in. octagon barrel	66 00

Ten in wood case; wt each 5½ lbs.

✦F. O. B. New York Factory Only.

RIFLES

MARLIN REPEATING

Model 39, Take-Down, Lever Action, Full Magazine.

Handles without change or adjustment all 22 short, 22 long and 22 long rifle cartridges. Lever action; visible hammer; side ejection; solid top, closed-in frame. Blued barrel and case hardened receiver; hard rubber buttplate. Octagon barrel 24 inches long, made of best quality gun barrel steel; ivory bead front and flat top rocky mountain rear sights. Black walnut pistol grip butt stock and forearm; length butt stock 13½ inches; drop at comb 1¾ inches; drop at heel 2⅜ inches; length over all 41 inches. Magazine capacity, 25, 22 short, 20, 22 long or 18, 22 long rifle cartridges.

	Each
No. 2239M—22 caliber; shoots R. F. cartridges; **22 Shorts**, Nos. 22SL, 22SB, 22SSU, 22SSG, 26SSHP, 22SLHP; **22 Longs**, Nos. 22LL, 22LB, 22LSU, 22LSG, 22LSUHP, 22LLHP. **22 Long Rifle**, Nos. 22LRL, 22LRS, 22LRSHP, 22LRHP; wt each 5¾ lbs	$74 25

Ten in wood case.

Model 27, Take-Down, Slide Action, Half Magazine.

Slide action; visible hammer; side ejection; solid top, closed-in frame. Barrel, receiver and butt plate, blued finish.

24 inch smokeless steel barrel; ivory bead front and rocky mountain rear sights. Black walnut straight grip butt stock and action slide handle; length butt stock 13½ inches; drop at comb 1 7/16 inches; drop at heel 2¾ inches; length over all 42 inches.

Octagan Barrel, Center Fire, 7 Shots.

	Each
No. 2527CF 25-20 caliber; shoots C. F. cartridges; Nos. 25-20WSSB, 25-20WMB, 25-20WSMC, 25-20WSSP; wt each 5¾ lbs	$86 40

Ten in wood box.

MARLIN REPEATING

Model 93, Solid Frame Full Magazine, 10 Shots.

Adapted to use high power smokeless cartridges. Lever action; visible hammer; side ejection; solid top, closed-in frame. A quick handling, powerful, accurate gun, built in proportion throughout, with the simplest and strongest mechanism used in any high power repeater. Blued finish; barrel and butt plate, case hardened receiver. Special smokeless steel barrel, 26 inches long, made especially to stand the continued use of high powder smokeless loads with jacketed bullets. Rocky mountain front and rear sights. Black walnut straight grip, butt stock and forearm; drop at comb 1¾ inches; drop at heel 2¾ inches; length over all 44⅞ inches.

Round Barrel, Center Fire.

	Each
No. 3093R—30-30 caliber; shoots Nos. 30-30WMC, and 30-30WSP cartridges; wt each 7¼ lbs	$86 40
32 special caliber; shoots Nos. 32WSPMC and 32WSPSP cartridges; weight each 7¼ pounds.	

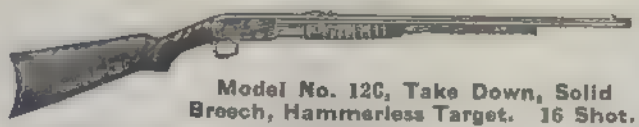
Octagon Barrel, Center Fire.

	Each
No. 3093-O—30-30 caliber; shoots Nos. 30-30WMC and 30-30WSP cartridges; wt each 7¼ lbs	$90 00
32 special caliber; shoots Nos. 32WSPMC and 32WSPSP cartridges; weight each 7¼ pounds.	

Ten in wood case.

RIFLES

REMINGTON REPEATING



Model No. 12C, Take Down, Solid Breech, Hammerless Target. 16 Shot.

Remington steel, octagon barrel 24 inches long, half pistol grip, walnut stock, fitted with steel rifle butt plate.

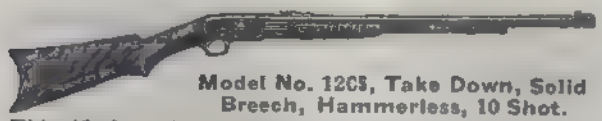
Chambered to take without any adjustment, 22 short, long and long rifle cartridges. Magazine capacity 16, 22 short, 12 long, or 11 long rifle cartridges. Weight 5½ lbs.

Each

No. 12C—22 caliber; shoots the following R. F. cartridges: **22 Short,** Nos. 22SL, 22SB, 22SSU, 22SSG, 22SSHP, 22SLHP; **22 Long,** Nos. 22LL, 22LB, 22LSU, 22LSG, 22LSUHP, 22LLHP; **22 Long Rifle,** Nos. 22LRL, 22LRS, 22LRSHP, 22LRLHP $68 55

Ten in wood case; wt per case about 80 lbs.

REMINGTON REPEATING



Model No. 12CS, Take Down, Solid Breech, Hammerless, 10 Shot.

This rifle is made on similar lines to the popular model No. 12C. Chambered for 22 Remington, special cartridge (22WRF) cartridges on account of the demand for a repeating rifle in this caliber. Wt 5½ lbs.

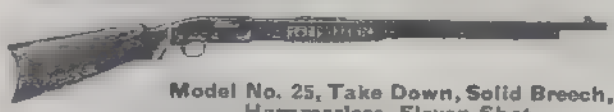
Remington steel, 24 inch, octagon barrel with 16 inch twist; half pistol grip, walnut stock fitted with steel rifle butt plate.

Each

No. 12CS—22 caliber; shoots Nos. 22WL and 22WSU cartridges only $68 55

Ten in wood case; wt per case about 80 lbs.

REMINGTON REPEATING



Model No. 25, Take Down, Solid Breech, Hammerless, Eleven Shot.

Action—Forearm slide fast, easy and positive.

Magazine—Capacity 10 cartridges loaded through a door on side, indicator shows whether loaded or empty.

Take Down—Quick to operate, strong and rigid when assembled.

Safety—Cross bolt type located in rear of trigger guard.

Barrel—Round special Remington steel 24 inches long; white metal bead front sight, step adjustable buckhorn rear.

Stock—American walnut half pistol grip fitted with steel rifle butt plate.

Weight each 6½ lbs.

Each

No. 25A-25—25 caliber shoots Nos. 25-20 WMB, 25-20 WSMC, 25-20 WSSP, also 25-20 Remington high speed cartridges $102 00

No. 25A-32—32 caliber shoots Nos. 32-20 WMB, 32-20 WMSMC, 32-20 WMSSP also 32-20 Remington high speed cartridges 102 00

Ten in wood case; wt per case about 70 lbs.

RIFLES

REMINGTON REPEATING

Carbine, Model No. 14, Take Down, Hammerless. Six Shot.

Round steel barrel 18½ inches long; patented quick adjustable straight bar rear sight and new design copper bead front sight. American walnut stock, with straight grip, fitted with shot gun style steel butt plate. Weight 6½ lbs.

Each

No. 3014RC—30 caliber; shoots Nos. 30RMC and 30RSP center fire cartridges $129 90

Ten in wood case; wt per case about 90 lbs.

REMINGTON REPEATING

Model No. 14½, Take Down, Hammerless. Eleven Shot.

Remington steel round barrel 22½ inches long; patented quick adjustable straight bar rear sight and new design copper bead front sight. American walnut stock, with half pistol grip, fitted with shot gun style steel butt plate. Wt 6¾ lbs.

Each

No. 14½A-38—38 caliber; shoots No. 38-40MB center fire cartridges ..... ✦$132 75

No. 14½A-44—44 caliber; shoots Nos. 44WB, 44WSMC and 44WSSP center fire cartridges ..... ✦ 132 75

Ten in wood case; wt per case about 80 lbs.

REMINGTON REPEATING

High Power, Take Down, Solid Breech, Hammerless, Six Shot.

A high power, slide action repeating rifle, perfect in operation, which combines rapidity of fire, strength, simplicity, and light weight.

This rifle has the famous solid breech. A thick wall of solid steel between the firing chamber and the shooter's face, affording absolute protection against injury from blow-backs or defective ammunition, and also prevents dirt, snow and other foreign substances from entering the mechanism.

The take down is remarkably strong and simple. The rifle is as strong as any solid frame rifle, and will not become loose under the hardest usage

A new form of magazine is provided which holds the cartridges end to end, and at the same time absolutely prevents any bullet in the magazine from coming in contact with the primer of the next cartridge ahead.

Special ordnance steel round barrel, 22 inches long; patented quick adjustable No. 1 buck horn rear sight, and new design copper bead front sight; American walnut stock, with half pistol grip, fitted with shot gun steel butt plate. Weight 6¾ lbs.

Each

No. 14A-25—25 caliber; shoots Nos. 25RMC and 25RSP center fire cartridges ..... ✦$132 75

No. 14A-30—30 caliber; shoots Nos. 30RMC and 30RSP center fire cartridges 132 75

No. 14A-32—32 caliber; shoots Nos. 32RMC and 32RSP center fire cartridges ..... ✦132 75

Ten in wood case, wt per case about 90 lbs.

✦F. O. B. New York Factory Only.

RIFLES

REMINGTON AUTO LOADING REPEATING

Model No. 24—22 Caliber.

Take-Down, Solid Breech, Hammerless, Standard Grade, Sixteen Shot.

Embodies new and exclusive features in small auto-loading arms.

Has the hammerless, solid breech, take-down construction. The interrupted thread system of take-down is operated in a second's time and allows cleaning the barrel from the breech in the proper manner.

Action-simple, strong and readily taken apart for cleaning; bottom ejection.

Take-Down-quick, strong and dependable, being the same interrupted thread system used in Remington repeating shot guns.

Safety-cross-bolt type, conveniently located in front portion of trigger guard for operation with trigger finger.

Magazine-capacity fifteen 22 short cartridges which are loaded by drawing magazine tube to rear and inserting cartridges in loading hole in side of stock.

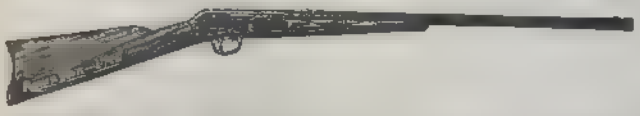
Barrel-Round, Remington steel 19 inches long; adjustable straight bar rear sight and white metal bead front sight; receiver matted.

Stock-American Walnut, with half pistol grip; steel butt plate. Weight-about 4¾ lbs.

	Each
No. 24A-22—Shoots 22 short rim fire cartridges	$75 00
No. 24A-22LR—Shoots 22 long rifle cartridges	75 00

Ten in wood case; wt per case about 80 lbs.

REMINGTON AUTO LOADING REPEATING



Model No. 16. Take Down, Solid Breech, Hammerless Standard Grade, 22 Caliber Sixteen Shot.

It combines the self-loading principle in its highest development, rapidily of fire, strength and simplicity far in excess of other 22 caliber auto-loading rifles. Has the famous solid breech. A thick wall of solid steel between the firing chamber and the shooter's face, affording absolute protection from blow-back or defective ammunition, and also prevents dirt, snow and other foreign substances from entering the mechanism.

Take down is the strongest, quickest and simplest known, and embodies perfect mechanical features to preserve alignment of the barrel with the frame.

Magazine—A simple tube, holding fifteen cartridges, is arranged within the stock where it is protected from injury incident to rough usage in all conditions. The loading hole is on the bottom of the stock and not at the side.

Remington steel barrel 22 inches long; adjustable straight bar rear sight and white metal bead front sight; American walnut stock, with straight grip, fitted with steel rifle butt plate.

	Each
No. 16A-22—22 caliber; shoots No. 22RA rim fire cartridges	+$112 50

Ten in wood case; wt per case about 80 lbs.

+F. O. B. New York Factory Only.

RIFLES

REMINGTON AUTO-LOADING REPEATING

The recoil or "kick" is utilized to reload, which reduces the shock on the shoulder, adds to the pleasure of shooting, and to the rapidity with which aimed shots may be fired.

The breech is locked by a turning bolt which locks close up against the head of the cartridge, as in the latest designs of military rifles. This reduces the liability of breaking shells, when firing, to a minimum, and gives great strength and security. Furthermore, this locked breech allows the use of high power cartridges with perfect safety.

As the bolt has two lugs on its front end which lock into each side of the barrel extension, all unequal strains are eliminated, which gives accuracy of fire. In firing, the barrel is free to recoil in a straight line, consequently has no tendency to "whip" or "switch" as in the ordinary rifle, when shooting high power cartridges.

The trigger pull is extra light, from 1½ to 3 lbs., and the balanced trigger prevents the arm from jarring off, should it be accidentally dropped while the safety is unlocked.

The arm is safe and strong, of light weight, and combines accuracy with rapidity of fire, safety and simplicity; is handsome in design, handles well, and has a decidedly pleasing and business like appearance.

Standard Grade.

Model No. 8, Take Down, Solid Breech, Hammerless. Five Shots.

Special ordnance steel, round barrel, 22 inches long; straight grip, walnut stock, shotgun style; rubber butt plate; blued finish. Half pistol grip furnished to order; no additional cost. Weight about 7¾ lbs.

	Each
No. 8A-35—35 caliber; shoots Nos. 35RMC and 35RSP center fire cartridges	+$166 20

Ten in wood case; wt per case about 110 lbs.

Special Grade.

Model No. 8, Take Down, Solid Breech, Hammerless Five Shots.

Special ordnance steel, round barrel, 22 inches long; straight grip stock and forearm are of selected imported walnut, neatly checkered. Shot gun butt; rubber butt plate; blued finish; weight 7¾ lbs.

	Each
No. 8C-25—25 caliber; shoots Nos. 25RMC and 25RSP center fire cartridges	+$241 50
No. 8C-30—30 caliber; shoots Nos. 30RMC and 30RSP center fire cartridges	+ 241 50
No. 8C-32—32 caliber; shoots Nos. 32RMC and 32RSP center fire cartridges	+ 241 50
No. 8C-35—35 caliber; shoots Nos. 35RMC and 35RSP center fire cartridges	+ 241 50
Sling straps and swivels for above rifles, extra	+8 91

Ten in wood case; wt per case about 110 lbs.

+F. O. B. New York Factory Only.

SHOT GUNS
REMINGTON REPEATING

Hammerless, Pump Action, Take Down
Model No. 10, Six Shot.
Premier Grade.

Barrel—Remington steel; cylinder, modified or full choke bored; barrel and receiver are finished in a beautiful deep scroll hand engraving, which brings out the game panels in relief.

Stock—Finest Circassian walnut, half pistol grip and fore-arm finished with delicate but elaborate checkering; gold name plate; owner's initials engraved on name plate, if so desired without charge. Standard length of stock 13¾ inches; drop 2¾ inches at heel and 1⅝ inches at comb.

Can furnish to order with straight grip and any dimensions of stock desired without extra charge.

	Each
No. 10F—12 gauge only, 26, 28, 30 or 32 in. barrel, chambered for 2¾ in. shell; wt each 7¾ lbs	✦$804 00
Extra Barrels, for above guns	✦ 120 00
No. 17F—20 gauge, 26 to 32 in. barrel	✦ 804 00
Extra Barrels, 26 or 32 in.	✦ 120 00

Ten in wood case.

Remington Repeating with Ventilated Rib.

Hammerless, Pump Action, Take Down, Model No. 10, Six Shot.

Barrel—Remington steel; raised matted ventilated rib; furnished in either modified, cylinder or full choke.

Stock—Imported walnut, oil finish; straight grip, neatly checkered, full comb, fitted with soft rubber recoil pad of any make desired, length 14 inches; drop at comb 1¼ to 1½ inches, drop at heel 2⅜ to 3 inches, long extension tube neatly checkered imported walnut slide handle. Furnished with 30 inch barrel, 12 gauge only.

	Each
No. 10T—Target grade	✦$402 45
No. 10TD—Tournament grade, same as No. 10D, except ventilated rib	✦ 468 90
No. 10TE—Expert grade, same as No. 10E, except ventilated rib	✦ 670 50
No. 10TF—Premier grade, same as No. 10F, except ventilated rib	✦ 870 75

Ten in wood case; wt each 7¾ lbs.

EXTRAS FOR REMINGTON REPEATING
For Remington Hammerless Pump Action, Take Down, Model Nos. 10 and 17 Repeating Shot Guns.

In all cases, extra barrels must be fitted at the factory. When ordering extra barrels for used guns, the complete gun, including the old barrel, must be returned to the factory, so that both barrels may be made to interchange on the same receiver.

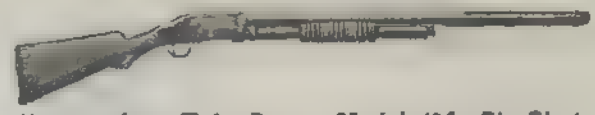
	Each
Matting the top surface of plain barrels	✦$25 80
Solid Ribbed Barrels, add to plain barrel	✦ 25 80
Ordnance Steel Barrels, instead of Remington Steel, add	✦ 25 80
Any length or drop of stock made to order at an advance of	✦ 48 00

*The solid ribbed barrel is particularly appreciated by shooters who have used a double gun and therefore are accustomed to a continuous line of sight. It also prevents the reflection of light on the top of the barrel from interfering with the shooters' sight. The barrel and rib are made in one solid piece, hence a rib can not be fitted to a plain barrel. Plain barrels, however, can be matted on the top surface, see extra charge for this operation under "Extras."

Note—Guns with special stock dimensions takes from six to eight weeks to manufacture, and all orders for such guns are positively not subject to cancellation.

✦F. O. B. New York Factory Only.

SHOT GUNS
MARLIN REPEATING



Hammerless, Take-Down, Model 43A, Six Shot.

Solid steel breech, solid top; side ejection; barrel matted on top entire length; press button cartridge release; automatic safety device for protection against hang-fires; double extractors; the most practical and convenient take-down for cleaning and carrying; quick-acting trigger safety.

Barrel—Special rolled steel, handsomely matted, facilitates quick sighting; chambered to handle both 2¾ and 2⅝ inch shells.

Stock—Black walnut, pistol grip butt-stock and action slide handle; hard rubber butt-plate; length butt-stock 13½ inches; drop at comb 1⅝ inches; drop at heel 2½ inches; weight about 8 lbs.

	Each
No. 43A-30—12 gauge; 30 in. barrel, full choke	$123 00
No. 43A-32—12 gauge; 32 in. barrel, full choke	123 00
No. 43A-28—12 gauge; 28 in. barrel, modified choke	123 00
No. 43A-26—12 gauge, 26 in. barrel, cylinder bore	123 00

Ten in wood case, wrapped separately in paper.

MARLIN REPEATING

Hammerless, Take-Down, Model 44A, Five Shot—Solid steel breech; solid top; side ejection; barrel matted on top entire length; press-button cartridge release; automatic safety device for protection against hang-fires and defective cartridges; double extractors; quick-take down feature for convenient cleaning and packing.

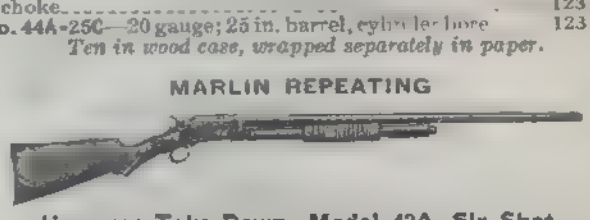
Barrel—Special rolled steel, handsomely matted, facilitates quick sighting; chambered to handle both 2½ and 2¾ inch shells; specially bored for both black and smokeless powder.

Stock—Black walnut, pistol grip butt-stock and action slide handle; hard rubber butt-plate; length butt-stock 13½ inches; drop at comb 1 11/16 inches; drop at heel 2 11/16 inches; weight about 5⅞ lbs.

	Each
No. 44A-25F—20 gauge; 25 in. barrel, full choke.	$123 00
No. 44A-28F—20 gauge; 28 in. barrel, full choke.	123 00
No. 44A-25M—20 gauge; 25 in. barrel, modified choke	123 00
No. 44A-25C—20 gauge; 25 in. barrel, cylinder bore	123 00

Ten in wood case, wrapped separately in paper.

MARLIN REPEATING



Hammer Take-Down, Model 42A, Six Shot.

Solid top receiver; closed in breech bolt that sheds all the rain, snow and sleet, side ejection; double extractors; automatic safety device; compensating device, barrel always fits tight on receiver.

Barrel—Special rolled steel, handsomely matted, facilitates quick sighting; chambered to handle both 2¾ and 2⅝ inch shells.

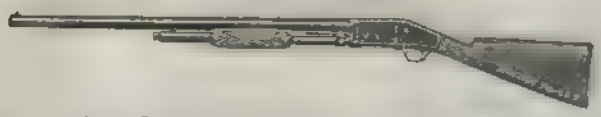
Stock—Black walnut, pistol grip butt-stock and action slide handle; hard rubber butt-plate; length butt-stock 13½ inches; drop at comb 2 inches; drop at heel 2½ inches. Weight about 7½ lbs.

	Each
No. 42-30—12 gauge; 30 in. barrel, full choke	$102 00
No. 42-32—12 gauge; 32 in. barrel, full choke	102 00
No. 42-28—12 gauge; 28 in. barrel, modified choke	102 00
No. 42-26—12 gauge; 26 in. barrel, cylinder bore	102 00

Ten in wood case, wrapped separately in paper.

SHOT GUNS

MARLIN REPEATING



Hammerless, Take-Down, Model 43T, Trap Grade, Six Shot.

Solid steel breech; solid top; side ejection; press-button cartridge release; automatic safety device for protection against hang-fires and defective cartridges; double extractors; quick-take feature for convenient cleaning and packing.

Barrel—Special rolled steel, handsomely matted, facilitates quick sighting.

Stock—Imported circassian walnut, with dull London oil finish; straight grip butt-stock; fine hand checkered fore-arm; length butt-stock 14½ inches; drop at comb 1½ inches; drop at heel 1⅝ inches; weight about 8 lbs.

	Each
No. 43T-30—12 gauge; 30 in. barrel, full choke	**$195 00**
No. 43T-32—12 gauge; 32 in. barrel, full choke	**195 00**

Ten in wood case, wrapped separately in paper.

SAVAGE REPEATING

Hammerless, Pump Action, Take Down, Model 1921 Six Shot.

Solid breech, solid top and side ejection. Positive top tang safety; mechanism enclosed; receiver channeled and matted in line of sight; magazine capacity, five shells and one in chamber.

Barrel—High pressure smokeless steel, modified, cylinder or full choke.

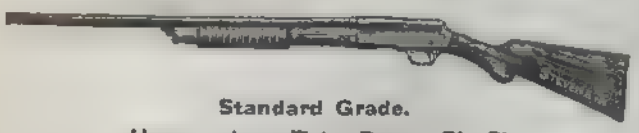
Stock—Walnut, pistol grip and fore-arm; solid rubber butt plate.

Weight 7½ lbs.

	Each
No. 21-12—12 gauge, 26, 28 or 30 in. barrel	**$135 00**

Ten in wood case.

STEVENS' REPEATING



Standard Grade.

Hammerless, Take Down, Six Shot.

Take down feature is simple, and gun can be taken apart and put together in eight seconds. Can be fired without clogging as fast as it is possible for a shooter to work the slide handle. In opening the gun, the firing pin is drawn back and locked and stays locked until it is closed. Hammer cannot possibly touch firing pin until action is completely closed and locked.

Receiver—Solid drop forging, same finish as the barrel. Fitted with extra long tangs, and gives strength to the stock at the weakest point. Shells are ejected from the side.

Barrel—Stevens high pressure compressed steel, finished black oxide, which gives it a beautiful and permanent coloring. Full choke bored.

Stock—Plain walnut, with pistol grip, not checkered; rubber butt plate, scored forearm; length of stock 13½ inches; drop 2⅛ inches at heel and 1⅝ inches at comb.

Can furnished in cylinder modified and full choke bored.

	Each
No. 520—12 gauge, 26, 28, 30 or 32 in. barrel; wt about 7¼ lbs.	**$105 00**

Ten in wood case, wrapped separately in paper.

SHOT GUNS

STEVENS' REPEATING

Trap Grade.

Hammerless, Take Down, Six Shot.

Gun can be taken apart and put together in eight seconds. Can be fired without clogging. In opening the gun the firing pin is drawn back and locked and stays locked until it is closed. Hammer cannot touch firing pin until action is completely closed and locked.

Receiver—Solid drop forging, same finish as the barrel. Solid breech matted top. Shells are ejected from the side.

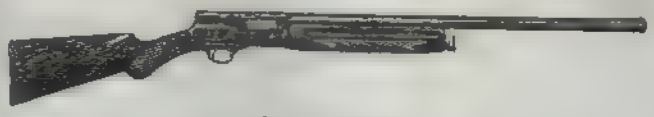
Barrel—High pressure compressed steel full choke bored; hollow matted rib.

Stock—Fancy walnut, checkered; straight grip; rubber butt plate; length 14 inches; drop 1½ inches at comb and 2¾ inches at heel; fancy walnut slide handle, checkered.

	Each
No. 522—12 gauge, 30 in. barrel; wt about 7¾ lbs.	**+$180 00**

Ten in wood case, wrapped separately in paper.

BROWNING AUTOMATIC



No. 1 Grade.

Combines all the good features to be found in any gun. Improved safety, magazine cut-out, double extraction and light weight. A simple movement locks the cartridges in the magazine, permitting the cartridges in the chamber to be ejected without disturbing the others.

Double extractors insure positive extraction and feed. Barrel guide ring forged in one piece with the barrel.

Barrel—Cockrel steel of unusually high tensil strength.

Stock—Hardwood with checkered grip and fore-arm.

12 gauge furnished in 28 in. full choke.

16 gauge furnished in 28 in. full choke, and 26 in. cylinder or modified.

	Each
No. BA-12—12 gauge 28 in cylinder bore; wt 7¾ lbs.	**$165 75**
No. BA-16—16 gauge, 26 or 28 in. barrel; wt 7 lbs.	**202 50**

Ten in wood case, wrapped separately in paper.

+F. O. B. Massachusetts Factory Only.

Send us your orders for guns, rifles, ammunition, etc. We carry at all times complete stocks for immediate delivery.

SINGLE BARREL SHOT GUNS

RIVERSIDE

Plain Extractor

Barrel—Compressed forged steel, hollow tapered; bored for nitro powder

Stock—Walnut; full pistol grip, checkered; capped; rubber butt plate; length 12 or 16 gauge, 14 inches; 20, 28 or 410 gauge, 13¼ inches; checkered fore-end with spring fastening.

No. 90—Gauge	12	16	20	410
Length of barrel, in..	28 to 36	28 to 32	26 to 30	26
Weight each, lbs.....	6	6	6	6
Each	$15 00	15 00	15 00	15.00

Ten in a case

STEVENS "DREADNAUGHT"

Plain Extractor

Barrel—Extra heavy breech; water table; compressed forged steel, hollow tapered; bored for nitro powder; full choke

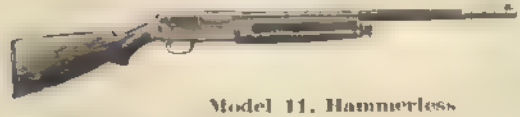
Stock—Walnut; pistol grip, rubber butt plate; length 14 inches; fore-end has spring fastening

No. 85—12 gauge only; 30 and 32 inch barrel; weight 7½ pounds ..... Each **$18 00**

Ten in a case

REPEATING SHOT GUNS

WINCHESTER SELF-LOADING



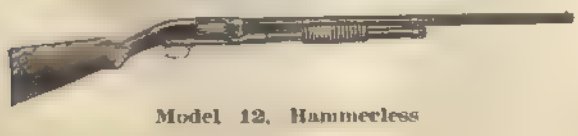
Model 11, Hammerless

Barrel—Nickel steel, full or modified choke bored; chambered for 2¾ inch shells.

Stock—Walnut; plain pistol grip and fore arm, not checkered, length 13¾ inches; drop at comb 1⅝ inches, drop at heel 2⅜ inches; rubber butt plate

No. 1911—12 gauge; .. inch barrel; weight about 7¾ pounds ..... Each **$100 00**

WINCHESTER PUMP



Model 12, Hammerless

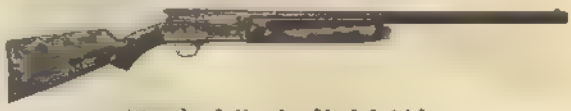
Barrel—Nickel steel; full or modified choke bored, chambered.

Stock—Selected walnut; plain pistol grip, not checkered; hard rubber butt plate.

No. 1912—Gauge	12	16	20
Length of barrel, in...	26 to 32	26	25
Weight each, lbs.....	7¼	6	6
Each	$90.00	90.00	90.00

REPEATING SHOT GUNS

REMINGTON AUTO-LOADING



Standard Grade, Model 11A

Barrel—Remington steel blued; full or modified choke cylinder bore will be sent unless otherwise specified.

Stock—American walnut; half pistol grip not checkered; length 14 inches; drop at heel 2½ inches; drop at comb 1⅝ inches; rubber butt plate.

No. 11A—12 gauge; 28 inch barrel; weight about 7¾ pounds ..... Each **$100.00**

REMINGTON PUMP

Standard Grade, Model 10A

Barrel—Remington steel, blued; full or modified choke. Full choke barrel will be sent unless otherwise specified. Chambered for 2¾ inch shells

Stock—American walnut; half pistol grip, not checkered; length 13¾ inches; drop at heel 2⅜ inches; drop at comb 1⅝ inches; rubber butt plate.

No. 10A—12 gauge; 28 inch barrel, weight about 17½ pounds ..... Each **$90.00**

Model 17A

Barrel—Remington steel, blued; full choke bored; chambered for 2¾ inch shells, but 2½ inch shells can be used.

Stock—American walnut, plain pistol grip, not checkered; length 13¾ inches; drop at heel 2⅜ inches; drop at comb 1⅞ inches; rubber butt plate.

No. 17A—20 gauge; 26 or 28 inch barrel; weight about 5½ pounds ..... Each **$90 00**

REPEATING RIFLES

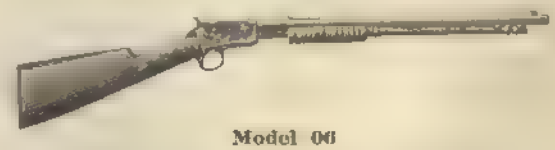
WINCHESTER TAKE DOWN

Model 90

Straight grip rifle stock; 24 inch octagon barrel with open front and rear sight; weight about 5¾ pounds.

Note—A Model 90 rifle will handle only the cartridges for which it is chambered and bored as stamped on barrel.

No. 90—22 caliber; made for 22 short, 22 long, 22 long rifle, 22 W. R. F. cartridges..... Each **$45 00**



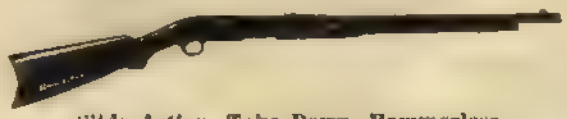
Model 06

Sliding forearm action; 20 inch round barrel; sporting front and adjustable open rear sight; straight grip stock, composition rubber butt plate; length over all 35⅞ inches; weight about 5 pounds; magazine capacity 15 short, 12 long or 11 long rifle cartridges.

No. 06—22 caliber; shoots 22 short, 22 long or 22 long rifle rim fire catridges..... Each **$37.50**

REPEATING RIFLES

NEW REMINGTON SLIDE ACTION, MODEL 25



Slide Action, Take Down, Hammerless

24 inch special Remington steel, round barrel. Solid breech, half pistol grip, American walnut stock, steel rifle butt plate.

White metal bead front, step adjustable buckhorn rear sight, cross-bolt type safety located in rear of trigger guard.

No. 25A—25-20 caliber, center fire, weight 5½ pounds. . . . . Each **$60.00**

No. CF25A—32-20 caliber, center fire. . . . . Each **60.00**

Capacity of Magazine—10 cartridges loaded through a door on side. Indicator shows whether loaded or empty.

REMINGTON AUTO LOADING, MODEL 24

Take Down, Hammerless

19 inch Remington steel, round barrel. Solid breech, half pistol grip American walnut stock, steel butt plate. White metal bead front, screw adjustment rear sight, matted top receiver

No. 24A—22 short, weight 4¾ lbs. . Each **$45 00**

No. 124A—22 long rifle cartridge. . . . . Each **45 00**

Capacity of Magazine—Fifteen 22 short, ten 22 long rifle. One rifle not supplied to take both cartridges.

REMINGTON MODEL 12

22 CALIBER, HAMMERLESS, TAKE DOWN

The Remington-U. M. C. solid breech hammerless take down 22 caliber repeating rifle is modeled after the Remington-U. M C. pump gun, which has the reputation of being the most graceful repeating arm on the market.

Standard Grade

22 inch round steel barrel, with 16 inch twist, solid breech, side ejection, straight grip walnut stock, and fore-end, rubber butt plate.

No. 12A—22 caliber, chambered to take without any adjustment, 22 short, long and long rifle R. F. cartridges; Weight 4½ pounds. . . . . Each **$35.00**

Capacity of Magazine—15 short, 12 long or 11 long rifle cartridges.

Gallery Special Grade, for 22 Short Only

24 inch octagon steel barrel, with 24 inch twist, solid breech, side ejection, half pistol grip walnut stock and fore-end, steel rifle butt plate.

No. 12B—22 caliber, chambered for 22 short R. F. cartridges only; capacity of magazine 15 cartridges; weight 5½ pounds. . . . . Each **$40.00**

Target Grade

24 inch octagon steel barrel, with 16 inch twist, solid breech side ejection, half pistol grip walnut stock and fore-end steel rifle butt plate.

No. 12C—22 caliber, chambered to take without any adjustment 22 short, long and long rifle R. F. cartridges; weight 5½ pounds. . . . . Each **$40.00**

Capacity of Magazine—15 short, 12 long or 11 long rifle R. F. cartridges.

REPEATING RIFLES

STEVENS VISIBLE LOADING

One Piece Magazine Tube and Breech Block

20 inch round steel barrel, blued frame, varnished walnut stock and slide handle, rubber butt plate, length over all 37 inches, bead front and elevating rear sight.

No. 70LR—22 caliber, shoots 22 short, long and long rifle R. F. cartridges; weight 4½ pounds. . . Each **$24.00**

Capacity of Magazine—15 short, 13 long or 11 long rifle R. F. cartridges.

SINGLE SHOT RIFLES

REMINGTON MODEL 6

Take Down

20 inch tapered round steel barrel, accurately bored and rifled, case hardened frame, walnut stock and fore-end, steel butt plate, new design open front, rear and tang peep sights, barrel is detached by loosening thumb screw.

No. 6—22 caliber, shoots 22 short, long and long rifle R. F. black and smokeless cartridges; weight 3½ pounds . . . . . Each **$10.00**

REMINGTON MODEL 4

Take Down

22½ inch octagon steel barrel, tapered, forged, case hardened frame, genuine walnut stock and fore-end, parts of mechanism of forged steel, rifle butt plate, automatic shell ejector, which throws fired shell from chamber when breech is opened, new design open sights, all parts interchangeable.

No. 4—22 caliber, shoots 22 short and 22 long rim fire cartridges weight about 4¼ pounds. . Each **$16.00**

STEVENS FAVORITE

Take Down, Lever Action.

24 inch full octagon barrel, solid breech block, blued frame, oiled walnut stock and fore-end, shot gun butt, rubber butt plate, Rocky Mountain front and sporting rear sight.

No. 27—22 caliber, with automatic ejector, shoots 22 short, long and long rifle R. F. cartridges; weight 4½ pounds . . . . . Each **$16.00**

STEVENS "CRACK SHOT"

Take Down, Lever Action

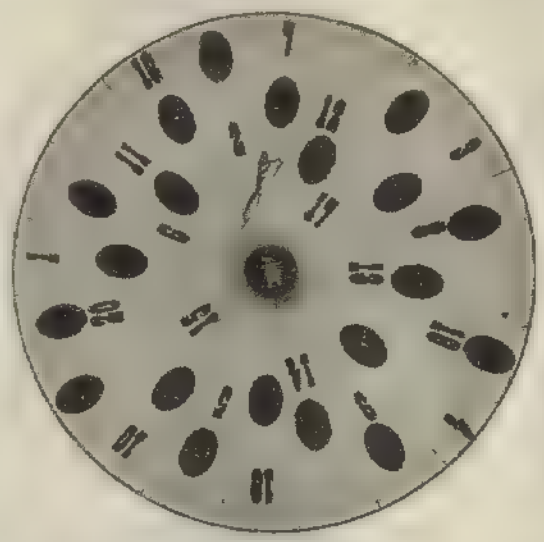
18 inch round barrel, blued frame; oval stock, carbine butt plate, knife blade front and open rear sights.

No. 26—22 caliber, rim fire, shoots 22 short, long and long rifle cartridges; weight 3 ¼ pounds. . . . . Each **$10 00**

Revolving Dart Boards

Works the same as a wheel and can be used in closed territory. This has proven very satisfactory.

No. H630. 15 Number, 5 Space, One Red and Four White..... 7.00



No. H631. 20 Number, 5 Space One Red and Four White 7.00

Feather Darts Weighted

No. 31M25.

Per gross 7.50
Per dozen .65

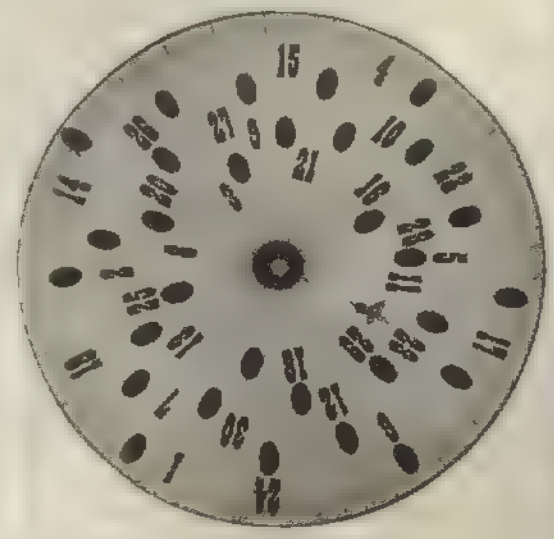
These boards work like wheels, that is with a lay down chart, allowing one party to throw the dart and who ever has money on number wins a capital or intermediate prize.

Feather Darts Weighted

No. 31M25.

Per grosa . 7.50
Per dozen.... .65

No. H632. 24 Number, 5 Space. One Red and Four White..... 7.00



No. H633. 30 Number, 5 Space. Each..... 7.00
No. H634. 30 Number, 9 Space. Each 7.00

Any Combination Made to Order

25-Inch Aluminum Wheels

Special Two-Sided Wheels

Nos. H524-H616. Plain.

Nos. H617-H625. Fancy.

A perfectly balanced wheel on special aluminum hub and unbreakable spokes, steel ball bearings with steel axis that cannot wear out. Will never crack, bend rust or warp and is absolutely trouble proof.

No. H624. 1 numbers, 9 spaces. **Reverse side,** 20 numbers, 9 spaces.

No. H616. 16 numbers, 7 spaces. **Reverse side,** 16 numbers, 11 spaces.

Each **20.00**

No. H617. 24 numbers, 5 spaces. **Reverse side,** 24 numbers, 9 spaces.

No. H625. numbers, spaces. **Reverse side,** 15 numbers, 21 spaces.

Each **20.00**

Any Combination Made to Order. No Extra Charge—Five Days' Time for Delivery

—Dart Board—

We recommend this new board as a "Shure Winner" for all seasons. Size 20x16x⅝ inches. Don't fail to carry a set with you. This board is made specially for closed territory. It is one of the fastest and most interesting game of skill. Four boards, two dozen darts and a small space to operate is all one needs. Full instructions with each set.

No. H618. Per set of 4 boards..... **13.00**

No. 31N25. Weighted Darts, best quality. Per gross..... **7.50** Per dozen..... **.65**

OILERS, OIL DISPENSERS AND OIL CAN HOLDERS

NOERA NEW ROLL THREAD OILERS

Noera New Roll Thread Oilers. The cap threads of these oilers are made with a special edge to make starting threads easy. All domes are stamped from one piece of sheet metal. Bottoms are clock spring steel. Finishes: plain steel, anti rust, copper plated.

No.	Height of Spout, Inches	Capacity, Pints	Per Doz.
12	3	¼	$ 4 50
13	3	½	5 50
13A	3	½	6 00
14	9	½	6 50
14AA	7	½	8 00
14B	9	½	8 50
16	9	1	10 50

NOERA AUTOMOBILE PUMP OILERS

Noera Automobile Pump Oilers. The long spout and pump action make these oilers excellent for reaching inaccessible places. They are equipped with a strong positive pump which places the discharge of oil always under control. A strainer prevents clogging of the valves. Spouts are interchangeable. Copper plated finish. Can be furnished in brass and nickel plated. Prices on request.

No.	Length of Spout, Inches	Capacity, Pints	Per Doz.
800	3	½	$23 00
801	5	½	23 50
802	9	½	24 00
802½	5	1	24 75
803	5	1	25 25
804	9	1	25 75

NOERA FLEXICAL OILERS

Noera Flexical Oilers. These oilers have a 7-inch flexible spout which enables them to reach places that are not easily accessible. The domes are made in one piece and the bottoms are of clock spring steel. The spouts are highly polished, lined with asbestos and leakproof.

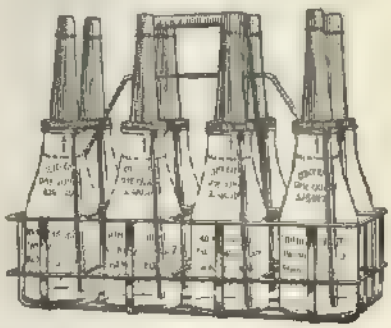
No.	Length of Spout, Inches	Capacity, Pints	Per Doz.
13	7	½	$5 00
14	7	½	5 50
15	7	1	6 00

RHODES MOTOR OIL DISPENSERS

Rhodes Motor Oil Dispensers. Consist of eight clear white annealed glass containers fitted with screw tops, beveled spouts, patented vents and dust caps. Handled in metal trays. Containers are standard, uniform and accurate.

Rhodes Motor Oil Dispensers.....complete $6 50

HANDY OIL DISPENSERS



Handy Oil Dispensers. The complete outfit consists of eight oilers and one carrier. Cleanliness, economy and efficiency will follow the installation. This is the only device that automatically regulates the flow of oil into the crank case. Affords the opportunity to keep an exact check on the oil sold at night or during the absence of owner.

Handy Oil Dispensers ... .. complete $10 00

UNIQ OIL CAN HOLDERS

Standard

Special

Uniq Standard Oil Can Holder. Durable and satisfactory. Used by many of the leading car manufacturers. Takes cans from 3 to 3⅞ inches in diameter. Galvanized finish.

Uniq Standard Oil Can Holder.....each $0 20

Uniq Special Oil Can Holder. Takes any commercial size can and grips it securely. It is self-adjusting and practically everlasting. Galvanized finish.

Uniq Special Oil Can Holder. . .....each $0 10

The perfumes and Talc of Rigaud are famous the world over.

Creations of Rigaud

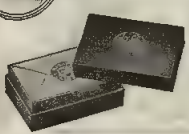
PARIS

These distinctive brilliant colored containers make a striking display.

Mary Garden

Fragrant with Parfum Mary Garden

Talcum Powder—Small, size, fine grade French talc, with sprinkler top. Y6884—1 doz. in carton. Doz **$1,88**

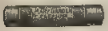


Face Powder—(Mfrs. 3). Soft fine powder. ¼ doz. in carton.
Y6892—FLESH
Y6892—WHITE
Doz **$6,40**

Compact Face Powder—Mfrs. 109. Large cake fresh fine luxury cream base blended under marvel soft puff. Y6888—¼ doz. in box. Doz **$9,25**

Rouge—Mfrs. 751. Medium rouge, firm cake, delicately perfumed, heavy cream, mirror in cover, real silk mounted puff. Y6893—¼ doz. in carton. Doz **$4,10**

"Brilliantino"—1 oz. small fancy bottle, ground glass frosted stopper. Glassine wrapped. Y6873—¼ doz. in box. Doz **$4,75**



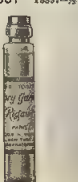
Lipstick—(Mfrs. 3) Medium, metal case. Y6877—1 doz. in box. Doz **$2,40**

Eyebrow Pencil—Soft wax cream, delicately perfumed, brun consistency. BLACK and BROWN. SPECIFY SHADE WANTED. Y6871—1 doz. in box. Doz **$2,40**

Cold Cream—Mfrs. 1. Pure white cream, cleansing and refreshes the skin, opal glass jar, each in carton. Y6898—½ doz. in box. Doz **$4,50**

Vanishing Cream—Pure white, greaseless, delicately perfumed, cleanser and softens the skin, opal glass jar, each in carton. Y6897—½ doz. in box. Doz **$4,50**

Extract—½ oz. glass bottle, with metal oval label, each stopper each in box. Y6872—½ doz. in carton. Doz **$11,60**



Toilet Water—Glass vial air-tight cork sealed top, labeled. Y6899—3 doz. in box. Doz. **89c**

Toilet Water Mfrs. 21½ 2¼ oz., attractive bottle, ground glass ornamental stopper, each in box. Y6895—¼ doz. in carton. Doz **$11,25**

Mi NENA

Talcum Powder—Fancy glass container, brass screw top, metal seal label. Glassine wrapped. Y6787—¼ doz. in box. Doz **$4,75**

Face Powder Soft fine powder, delicately perfumed. ¼ doz. in carton.
Y6785 WHITE
Y6786—FLESH
Doz **$9,00**

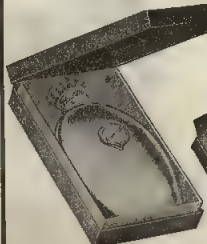
Lipstick Medium metal case. Y6789—1 doz in box. Doz **$2,25**

Rouge—(Mfrs. 25) Medium rouge, firm cake, delicately perfumed, lingual brass case, mirror in cover, blue silk mounted puff. Y6781—¼ doz. in carton. DOZ **$4,75**

Double Vanity—(Mfrs 36). Bilgual brass case, 2 mirrors, flesh tint powder and medium rouge compacts, each in separate compartment with silk back puff. Y6782 1 in box. EACH **$1,20**

Vanishing Cream—Pure white, greaseless, delicately perfumed, 3 oz., porcelain jar with metal cap, each in carton. Y6785—½ doz. in box. Doz **$4,75**

Cold Cream—Pure white cream, cleansing and refreshing, 3 oz. porcelain jar with metal cap, each in carton. Y6784—½ doz. in box. Doz **$4,75**



Toilet Water—2½ oz., fancy bottle, ground glass ornamental stopper, each in box. Y6780—½ doz. in carton. Doz **$13,75**

Extract—½ oz., fancy bottle, frosted ground glass stopper, metal seal label each in box. Y6791 ½ doz. in carton. Doz **$13,75**

"Petite" Vial Extract—Fancy bottle, diamond stopper, metal cap, each in box. Y6785—Bin carton. EACH **80c**

Juliette

TOILET PREPARATIONS

The aristocrat of the popular priced class. Absolutely pure ingredients. Fully equal in quality to many of the higher priced advertised lines

Lipstick Delicately perfumed stiff wax cream medicating tube, metal case. Specify shade.

Y5857—1 doz. in box. Doz 72c

STAR VALUE

Rouge—Excellent opal cake. Brave box, brushed finish mirror in top, felt pad puff. 1 doz. in box.

Y5740—Orange shade. Y5767—Dark shade. Y5725—Medium shade.

Doz 80c

Eyebrow Pencil — Black and brown, delicately perfumed, 4 of the cream lightly polished nickel container. State shades.

Y5836—1 doz. in box. Doz 72c

Glycerine & Rose Water Soap, 3c for chapped hands, rough skin, odorless, fancy bottle, paper capped.

Y5811—1 doz. in box. Doz 84c

"Orange Blossom" Talc—Excellent grade, pure white talc, popular odor, litho can with sprinkler top.

Y5840—1 doz. in carton. Doz 80c

Almond & Honey Lotion—Soothing, fragrant lot ion for chapped skin and after shaving, fancy bottle, paper capped.

Y5812—1 doz. in box. Doz 84c

Face Powder—Excellent grade powder, very fragrant, attractive paper covered box. 1 doz. in box.

Y5455—WHITE. Y5456—FLESH. Doz 84c

"Juliette" Talcum Powders

The fastest selling line of 10c talcum powder on the market

Y5870 — 6 styles, assorted odors. fine quality talc, short oval, tall oval, flat oval, tall square, tall octagon and short oblong cans, sprinkler tops. Asstd. 3 doz. in carton.

Doz 80c

Vanishing Cream—2 oz. pure white, greaseless cream square opal jar in 3c ad style.

Y5808—1 doz. in box. Doz 84c

Cold Cream—3 oz., pure white cream made from the purest ingredients square opal jar, packed cap.

Y5697—1 doz. in box. Doz $0.79

Bay Rum—3½ oz., contains 80% alcohol by volume. fancy bottle, paper capped.

Y5814—1 doz. in box.... Doz 84c

Coconut Oil Shampoo—3½ oz. bottle, heavy, pure, lathers freely.

Y5769—1 doz. in box. Doz 84c

Lemon Cream — 2 oz., pure and harmless, for bleaching and softening skin, glass jar, nickeled cap.

Y5809—1 doz. in box. Doz 84c

Massage Cream—2 oz. for massaging and refreshing the skin, glass jar, nickeled cap.

Y5810—1 doz. in box. Doz 84c

Rose Cold Cream—2 oz. pure white cream softens, whitens and whitens the skin delightful rose odor, fancy glass jar nickeled cap.

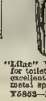
Y5816—1 doz. in box. Doz 84c

"Lilac" Vegetal—2 oz., for toilet and bath, also excellent after shaving metal sprinkler top.

Y5803—1 doz. in box. Doz 84c

Lemon Lotion—3½ oz., excellent preparation for bleaching, softening and whitening skin, fancy bottle, paper capped.

Y5813—1 doz. in box. Doz 84c



Toilet Water—Fancy bottle, assorted odors. Blue and rose colors, attractive label, paper capped.

Y5815—Asstd. 1 doz. in box. Doz 84c

Toilet Water—Fancy embossed opal glass bottle, metal sprinkler top, glass peg stopper with ribbon and cords to individual examination edge box.

Y5797—½ doz. in carton. Doz $3.60

"Juliette" Toilet Goods Assortment

This is the best assortment that has ever been brought out for such a small investment. Order one of these assortments and you will be astonished at the unusual value we offer

Y5854 — Small quantities that give you representative variety that you can turn quickly. Consists of the following

½ doz.	Bay Rum	Asstd. 4 doz. in carton.
"	Cold Cream	
"	Vanishing Cream	
"	Toilet Water	DOZ
"	Almond & Honeyed Lotion	
"	Rose Water & Glycerine	85c
"	Lemon Lotion	
"	Massage Cream	
"	Rose Cream	

Wt. 25 lbs.

"MAVIS" TOILET PREPARATIONS

Made by Vivandou, the celebrated French perfumer. This is the best known popular priced line of toilet preparations on the market

"MAVIS" POWDERS

The manufacturers have put on a tremendous advertising campaign—full pages in all the leading magazines. You are overlooking big sales if you don't play up this line—especially the 10c size.

Y3500 Y3500-3032

TALCUM POWDER—Pure white soft powder, sprinkler top can

Y3500—Handy size, 10c retail price cards included in each pkg. 2 doz. cans in pkg. Doz 88c

Gro $10.40

Y3506—Regular size, 4 doz. in pkg. Doz $2.10

Y3548—FLESH, 25c size. 4 doz. in pkg. Doz $1.90

FACE POWDER—Round box, fine powder. New style package. ½ doz. in pkg. Doz

Y3916—WHITE $4.20

Y3917—FLESH

Face Powder — Small size. Popular priced package. 3-4 in round box, embossed seal. 2 doz. in carton.

Y3531 WHITE. Y3532—FLESH. Doz 84c

Gro $9.60

Face Powder—New fancy box, wonderfully smooth, invisibly adheres, impalpably fine. 1 doz. in box.

Y3918—WHITE Y3919 FLESH Doz 85c

Y5746—Lemon Cream, for bleaching and softening skin, square glass jar metal cap. 1 doz. in box. Doz $4.00

Y3925 — Vanishing cream, soothing, prevents tan, windburn and chapping. ½ doz. in box. Doz $4.00

Compact Rouge—Delicately perfumed, heavy brass round box, silk mounted puff. 1 doz. in box.

Y3905—Light. Y3915 Medium DOZ $4.00

Bonbis Compact — Rouge and powder, heavy polished brass box, small mirror, automatic push opener large firm cake, lamb's wool puff with silk back. Specify shade.

Y5747—1 in box. Each $1.00

Extract Special size, fancy bottle cork stopper, brass cap.

Y3905 ½ doz. in carton DOZ. $3.95

Eau de Toilette—Small size attractive bottle. New style glass stopper, brass capped each in individual fancy covered box.

Y3907—½ doz. in box Doz $10.00

Y3910 Cold cream. 2½ oz. opal jar, each in box ½ doz in carton Doz $3.95

Cold Cream—Pure white cream, cleanses and refreshes skin, large litho tube, each in carton

Y3905—1 doz. in box Doz $2.00

TOOTH PASTES

Y6224 Y6225 Y6226

Williams' — High grade hygienic and antiseptic cream highly flavored, perfect, enameled tubes, each in box

Y6221—10c size. 1 doz. in carton Doz 89c

Y6222—25c size. ½ doz. in carton. Doz $1.95

"Colgate's" Ribbon Dental Cream—Antiseptic cleansing cream. Litho tube, each in carton. 1 doz. in box

Y6030—10c size. Doz 89c

Y6048—25c size. Doz $2.22

"Pebeco"—Litho tube, each in carton. 1 doz. in box

Y6263—Small size Doz $2.60

Y6264—Large size 3.85

Y6129 — "Kolynos" dental cream. Antiseptic cleansing cream, white tube, each in carton 1 doz in display box Doz $2.50

Y6175 "Pepsodent"—antiseptic, cleansing cream. Litho tube, each in carton. 1 doz in box Doz $4.20

Our Terms

2% 10 DAYS

1½ 30 DAYS

NET 60 DAYS

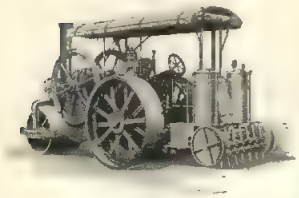
Road Machinery

On this page are illustrated a few of the most commonly used road machines and the limited space in the catalogue does not permit us to illustrate the full line, but we are able to supply all designs and types of machines used for Road Building and Road Maintenance.

A special catalogue on each type of machine can be had on request

Road Roller

No. 1391



With scarifier attachment. All types and weights can be supplied These include both the motor driven and steam engine types and the weights are from 3 to 15 tons.

Tandem Motor Roller

No. 1392

The Motor Roller illustrated above has exceptional power and ease of handling The Motor is of the heavy duty 4-cycle type

Scarifier

No. 1393

This Scarifier has special features which will appeal to road builders, it has independent steering. Adjustment of tynes for wear and depth of cut and instant raising and lowering device.

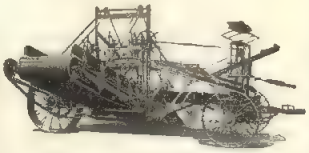
Graders

No. 1394

The machine illustrated is a Rip Snorter, combining a powerful scarifier and grader. Graders of all types with or without the scarifier can be supplied.

Elevating Grader

No. 1395



We guarantee this machine capable of plowing and throwing a 1 000 yards of earth into embankments, or loading from five to six hundred yard-and-a-half wagons in ten hours work, where the condition of the soil is suitable for its operation.

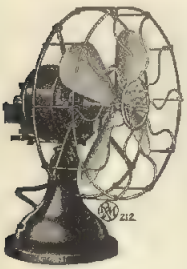
Street Sweeper

No. 1396

Can be supplied with single or double speed broom drives and has a capacity of 90,000 sq ft. of pavement per hour. Other types of street sweepers can be supplied.

Electric Fans

Oscillating Desk or Bracket Fan—Gear Type 12 inch and 16 inch Sizes



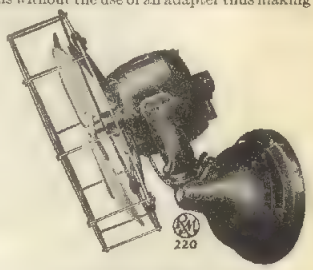
12 Inch Desk Position

These electric fans are made from the best material in every detail of construction, both electrical and mechanical. They are made with tools and gauges on the American Interchangeable plan and should any part need replacement, a new part may be obtained by giving the number of the fan motor, and with absolute assurance of a perfect fit. The reduction mechanism is enclosed in an oilproof box filled with non-fluid oil. The worms and gear wheels are large in their proportions, accurately machined and substantially supported in bearings. The ends of the connecting rod are provided with hardened steel bushing which practically eliminates wear at any point. Fan can be made stationary by a slight operation, if desired. Made with highly efficient motors. For further particulars as to the motors, see the table below. Can furnish 8-inch fan if desired.

No.	Diameter Blade, Inches	Volts	Price Each
Direct Current			
1128	12	110	On Request
1129	12	220	
1131	16	110	
1132	16	220	
Alternating			
1153	12	110	On Request
1154	12	220	
1159	16	110	
1160	16	220	

Alternating Current Swivel and Trunnion Desk or Bracket Fan

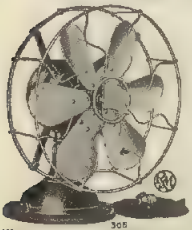
Designed with highly efficient type of winding that eliminates the centrifugal or automatic switch and gives a wide speed range. The type of winding employed also assures freedom from burn-outs, even though the motor should fail to start from any cause whatever. The body of the motor is symmetrical in appearance, avoiding deep recesses or projections, which tend to collect dirt. The bearings are accurately finished throughout, thereby securing perfect alignment. They are convertible into wall bracket fans without the use of an adapter thus making them universal desk or bracket fans. The switch base is exceptionally strong and will not crack under ordinary strain. The base of the motor is marked "Off, 1, 2, 3," indicating the different speeds. Can furnish 8-inch fan if desired.



12 Inch Wall Bracket Position

No.	Diam. Blade, Inches	Volts	Cycles	Price Each
Direct Current				
1500	12	110		On Request
1501	12	220		
1502	16	110		
1503	16	220		
Alternating Current				
1404	12	110	60	On Request
1405	12	220	60	
1411	16	110	60	
1412	16	220	60	

Six Blade Residence Fan

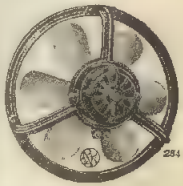


The Residence Type Fan is a type particularly adapted for home use. It is lighter than cast iron on account of its steel construction, yet it will not creep across the table or ledge on which it may be standing. It has a very low center of gravity, making it practically impossible to tip over. Has six blades, giving a wide distribution of air, runs quietly and has three speeds. This type is also well adapted for office use.

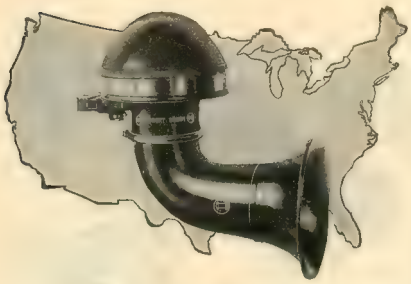
No.	Model Specifications	Price, Each
2104	Model 21 A. C. 110 V. 60 Cycle Desk	On Request
2200	Model 22 D. C. 110 V. Desk	
2404	Model 24 A. C. 110 V. 60 Cyc. Osc.	
2500	Model 25 D. C. 110 V. Oscillating	

Small Exhaust Fans

For ventilation, removing smoke, dust or objectionable odors, these exhaust fans are frequently installed. Intended for mounting in walls or partitions and exhausting into open space (free air). Can be mounted in ceilings, but will require an end thrust at a slight extra cost. The motor blades and fans are the same type as described above. When working against free air the 12-inch fan will displace from 1500 to 2000 cu. ft. of air per minute, the 16-inch from 2200 to 3300 cu. ft.



No.	Diam. Fan, Ins.	Volts	Full Speed Free Air	Watts Consumed	Price Each
1000	12	110	1550	65	On Request
1001	12	220	1550	65	
1002	16	110	1450	100	
1003	16	220	1450	100	



This trade mark and the full name, Robert Bosch, are always inscribed on every piece of ORIGINAL BOSCH automotive equipment. Look for these identifications. They are your guaranty of ORIGINAL BOSCH quality as known the world over since 1887

All over the country~ the *Original* Bosch Horn is being chosen by the owners of fine motor cars

WARNING

Horns of which the sound producing mechanism is essentially that of the ORIGINAL BOSCH Horn are being offered to the trade by various manufacturers. The selling or using of such imitations constitutes infringements of the patent by which the Bosch Horn is protected. Infringers will be held strictly accountable.

On broad, smooth boulevards; in the traffic-tangled streets of cities; along far-flung country roads—wherever fine motor cars are driven—you will hear the musical, penetrating tone of the ORIGINAL BOSCH Horn. An efficient — and courteous — warning signal.

Naturally, being an ORIGINAL BOSCH product and, therefore, of unquestioned worth and accuracy, this new, high-frequency warning signal is being profitably handled by many of the country's best automotive dealers.

To automotive merchants who have not already stocked the ORIGINAL BOSCH Horn the invitation to become selling agents is extended. Write for full information to Robert Bosch Magneto Co., Inc., 111c West 64th Street, New York, N. Y. Chicago branch, 1302 South Wabash Avenue.

LIST PRICES

"Junior" for motorcycles..... $16
"Standard", for passenger cars..... $21
"Master" for large cars, motor busses and motor boats..... $25

When ordering your stock of ORIGINAL BOSCH Horns, please be sure to specify the model or models desired, and the voltage.

The Original Bosch

ROBERT · BOSCH · MAGNETO · COMPANY · INC.

RODGERS POCKET KNIVES

GENUINE ENGLISH

Two Blades

Length closed, 3 inches; sheepfoot and pen blades; blades glazed; iron bolsters; brass lined.

No. 22418—Genuine stag handle.....Per Dozen **$40 00**

Half dozen in a box.

Two Blades

Length closed, 3 inches; spear and pen blades; blades polished; German silver tips; brass lined

No. 24787—Genuine stag handle.....Per Dozen **$42 00**

Half dozen in a box

Three Blades

Length closed, 3¼ inches; sheepfoot, pen and file blades; blades polished; iron bolsters; brass lined.

No. 12552—Genuine stag handle.....Per Dozen **$42.00**

Half dozen in a box.

Three Blades

Length closed, 3 inches; spear, pen and file blades; blades polished; German silver tips; brass lined.

No. 24784—Genuine stag handle.....Per Dozen **$54.00**

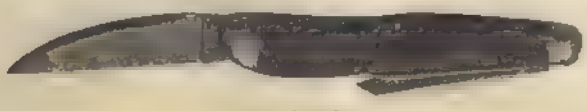
Half dozen in a box

Three Blades

Length closed, 3¼ inches; spear, pen and file blades; blades polished; German silver tips; brass lined

No. 24785—Genuine stag handle.....Per Dozen **$57.00**

Half dozen in a box.



Three Blades

Length closed, 4 inches; Wharncliffe, pen and spey blades; blades polished; iron bolsters; brass lined.

No. 11966—Genuine stag handle.....Per Dozen **$60 00**

Half dozen in a box.

No. 1[illegible]2T

Four Blades

Length closed, 3¼ inches; spear, two pens and file blades; blades polished; iron bolsters; brass lined.

No. 12352—Genuine stag handle. . . . Per Dozen **$60.00**

Half dozen in a box.

Four Blades

Length closed, 3¼ inches; Tobacco, two pens and file blades; blades polished; iron bolsters; brass lined.

No. 12532T—Genuine stag handle.....Per Dozen **$60 00**

Half dozen in a box.

Four Blades

Length closed, 3¼ inches; sheepfoot, two pen and file blades; blades glazed; iron bolsters; iron lined.

No. 22445—Genuine stag handles.....Per Dozen **$84.00**

One dozen in a box.

Four Blades

Length closed, 3½ inches; Tobacco, two pen and file blades; blades glazed; iron bolsters; iron lined.

No. 22445T—Genuine stag handle.....Per Dozen **$90 00**

Half dozen in a box.

Four Blades

Length closed, 4 inches; Tobacco, two pen and file blades; blades glazed; iron bolsters; iron lined.

No. 24489—Genuine stag handle.....Per Dozen **$108.00**

One dozen in a box

Four Blades

Length closed, 3¾ inches; Tobacco, two pen and file blades; blades glazed; iron bolsters; iron lined.

No. 24691—Genuine stag handle.....Per Dozen **$88 00**

Half dozen in a box.

POCKET KNIVES

RUSSELL BARLOWS

One Blade

Length closed, 3⅜ inches; clip blade polished; heavy steel bolster; iron lined.

No. 65—Brown bone handle.....Per Dozen **$6 00**
Half dozen in a box

One Blade

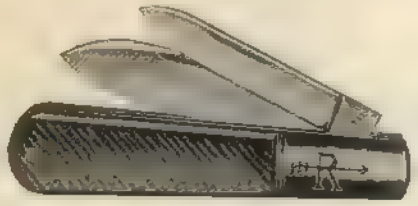
Length closed 3⅜ inches; spear blade polished; heavy steel bolster, iron lined

No. 60—Brown bone handle .....Per Dozen **$6.00**
Half dozen in a box.

Two Blades

Length closed 3⅜ inches, clip and pen blades blades polished, heavy steel bolster iron lined

No. 66—Brown bone handle.....Per Dozen **$8 50**
Half dozen in a box



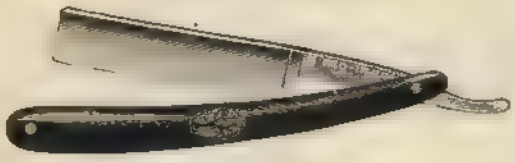
Two Blades

Length closed 3⅜ inches; spear and pen blades; blades polished; heavy steel bolster; iron lined

No. 62—Brown bone handle.. . .. Per Dozen **$8 50**
Half dozen in a box

RAZORS

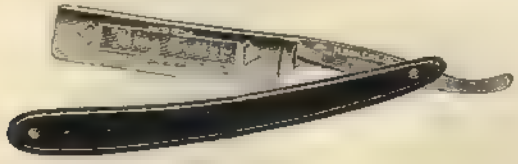
BOKER TREE BRAND



Red Injun

Special full Hamburg ground; oval tang; safety point, oval back rubber handle

No. 101—Square point ⅝ inch blade.. Per Dozen **$56 00**
Half dozen in a box



King Cutter

Special full Hamburg ground; oval tang; safety point; flat black rubber handle.

No. 1926—Square point ⅝ inch blade..Per Dozen **$56.00**
Half dozen in a box.

SAFETY RAZORS

THE NEW IMPROVED GILLETTE

The new improved Gillette safety razor uses the well known standard Gillette blades increasing their effectiveness

New Standard

Genuine leather covered case purple velvet and satin lined. New improved Gillette safety razor. Metal blade box Twelve double edged Gillette blades, twenty-four shaving edges.

New Standard box Triple silver plated razor and blade .....Each **$5 00**

SAFETY RAZOR BLADES

GILLETTE

Double Edged

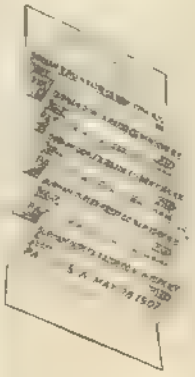
Each double-edged blade is placed in individual envelope and put up in a sealed packet of either six or twelve blades.

Ten packets of twelve blades each or twenty packets of six blades each are contained in pasteboard carton

Gillette Blades "5"—One packet, 5 blades, 10 shaving edges .....Per Packet **$0.50**

Gillette Blades "10"—One packet, 10 blades, 20 shaving edges .....Per Packet **$1.00**

DURHAM



Duplex

Each Duplex blade is hardened, oil tempered hollow ground, honed, stropped and inspected. Made of the finest Swedish steel.

Blades are packed in tabbed folders that protect the edges, and hermetically sealed in waxed paper.

Durham Blades "5"—One packet, 5 blades 10 shaving edges.....
.....Per Packet **$0.50**

EVER-READY

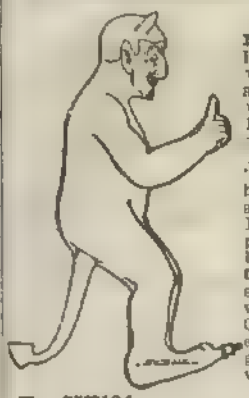
Radio

Made of finest radio steel, carefully tempered and ground. Each blade is individually wrapped and protected by a double sheath of paraffined projecting cardboard. Wrapped in a climate-proof paper and a seal-locked wrapper.

Ever-Ready Blades "6" One packet, 6 blades, 24 packets on display card. .....Per Packet **$0.50**

Rubber Toys and Novelties

Red Rubber Devil



This Little Red Devil is not so very little after all. He measures 10½ in. in height. Made of so-called "Silk" rubber, heavy and durable. Features printed in black. Doll is to be inflated through valve in toe. Comes packed 2 dozen in glassine envelope.

No. 85N104.
Per gross 10.00
Per package of 2 dozen..... 1.70

Hot Pup

One of the latest additions to the fast growing rubber toy novelty family. This little fellow gets his name because his body closely resembles the "red hot" so well known in all places of amusement. Length, 12 inches over all. Packed 2 dozen in box.

No. 85N102.
Per gross..... 10.00
Two dozens 1.70

Rubber Doll to Inflate

A cute little Doll about 10 inches high. Made of extra strong so-called "Silk" rubber, white printed in colors. To be inflated through valve in hand. Packed two dozen in glassine envelope.

No. 85N102.
Per gross 10.00
Per package of 2 dozen .. 1.70

Gump Family

Sid Smith's famous creation, the Gump family, consisting of Andy himself, Min, Little Chester and Uncle Bim, made of good quality rubber in bright colors, giving the resemblance of the clothing worn by the family. Average height, 10½ inches. Two dozen in bulk assorted in package.

No. 85N117.
Per gross... 10.00
Per dozen... 1.70

Rubber Cackle Toy

Inflate slightly. Pressing the bulb causes the hen to cackle in remarkable lifelike manner. Made of white silk rubber, shaped and colored to represent hen on egg. Height, 8¼ inches. Two dozen in envelope.

No. 85N103.
Per gross.. 12.00 | Per dozen 1.05

Red Squawking Devil

The new Two-in-One Squawker Devil, features printed in black. The doll is to be inflated through valve in toe. Doll measures 10 inches and is made of so-called silk rubber, heavy and durable. Two dozen in envelope.

No. 85N116.
Per gross 12.00
Per dozen 1.05

Circus Assortment

Circus assortment, consisting of clowns, animals, etc., made of strong rubber, valve in each for inflating. Twelve big items for the money. This assortment has an irresistible appeal to all children, for they are well acquainted with all the characters represented in this assortment. Average size about 12x10 inches. Rubber is colored and absolutely harmless.

No. 85N114.
Per gross 10.00
Two dozens 1.70

CLARENCE the SHEIK

The very Latest Rubber Squawking Toy

Clarence the Sheik is the very latest inflated rubber novelty. Has squawker hidden on the inside. By squeezing Clarence you will hear him squawk. What a Sheik! He stands 10 inches high with arms extended his hair is sleeked back in the regular Valentino fashion and is parted in the center. He wears a very tight fitting black coat and big wide balloon trousers. This item is one of the biggest sellers that has come out in rubber toys. 2 dozen in envelope.

No. 85N113.
Per gross..... 12.00 Per dozen.. ... 1.05

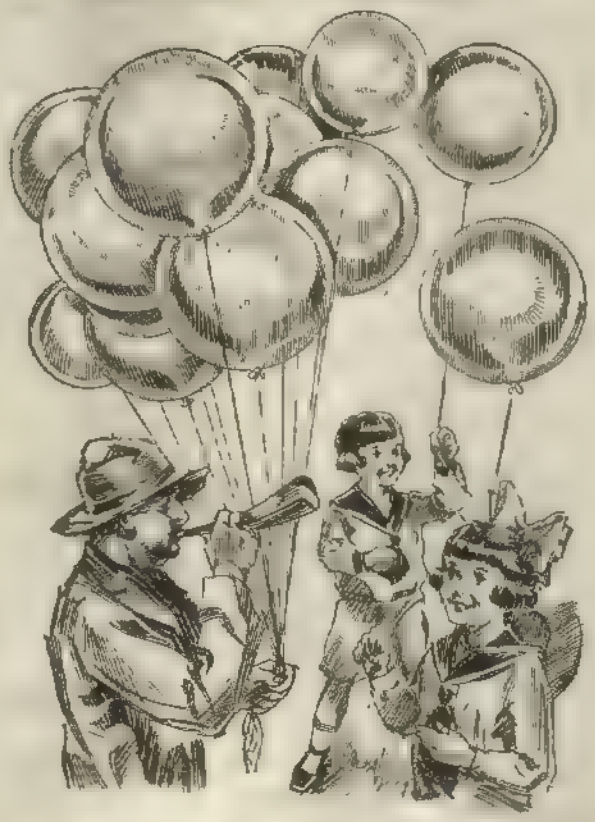
Franco-American Balloons

TWO SIZES

To Balloon Men who know the FRANCO-AMERICAN Balloon, we announce our new size 70 Centimeter. It is exactly the same quality as our 85N14—no better, no worse.

Those who do not want to use so much gas will find the 70Cm. size meets their requirements.

85 CENTIMETER | 70 CENTIMETER



To the man who has a regular balloon route and regular customers to please, we have this to say:

(1) We are the exclusive sales agents in the United States for the **Franco-American Balloons**

(2) The **Franco-American Balloons** are made by experts and we guarantee selected stock, you will find no weak thin spots known to the trade as pinholes

(3) Only the purest Para Gum Rubber is used and the best chemical colorings regardless of price in **Franco-American Balloons.**

(4) Every box of **Franco-American Balloons** comes assorted red, blue and green, all bright, clear shades and thoroughly transparent. Our balloons when inflated have no dark blotchy spots

(5) We only list the **Franco-American Balloons** as 85 Centimeter and 70 Centimeter oversize. We guarantee that either size balloon when inflated with gas to the size we guarantee them to be, will stand the hottest sunshine

(6) **Franco-American Balloons** weigh more to the gross than others and have extra long necks with even rolled strong edges.

(7) [illegible] always fresh and constantly [illegible] season we receive shipments nearly every day.

THE FRANCO-AMERICAN GUARANTEE

We only ask you to please send a sample order of each size and give them the most severe test. If you are not absolutely satisfied in every respect return the balloons to us and we will send back the money you paid us, as well as transportation charges both ways. Don't say you have the best until you have made this trial.

70 Centimeter Oversize.

Guaranteed **Franco-American** Balloons. One gross in box.

No. 85N13.
Per gross..... 3.50

85 Centimeter Oversize.

Guaranteed **Franco-American** Balloons. One gross in box

No. 85N14.
Per gross..... 4.25

FRANCO-AMERICAN TRANSPARENT

Guaranteed Franco-American 70 CM Transparent Gas Balloons, each printed with two wild animals per gross. Big assortment of animals to each gross. These are the same quality balloons as our No. 85N13 balloons listed above. **One gross in sealed carton**

No. 85N82 Per gross 4.00

PATRIOTIC DESIGNS

70 Centimeter Gas Balloons. [illegible], two color background [illegible] gas balloons [illegible] in [illegible] assortment [illegible] Patriotic designs. One gross assorted in box.

No. 85N16. Per gross . . . 4.00

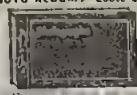
2-COLOR EXTRA HEAVY

70 Centimeter Gas Balloons, two [illegible] bright snappy reds and yellows. The kind that [illegible] with the children. Two [illegible] on each balloon. Very [illegible] strong and will inflate with gas or air to 70 centimeters safely. One gross in a box.

No. 85N5. Per gross..... 3.50

PUSH PHOTO ALBUMS HARD

PHOTO ALBUMS — Loose Leaf



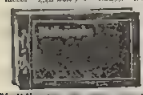


PHOTO ALBUMS
Permanently Bound

MEMORY BOOK

AUTOGRAPH ALBUM

"LENOX" — America's Greatest Crepe Paper Values. Page 187

PLAYING CARDS POKER CHIPS AND DICE

MADE BY RUSSEL PLAYING CARD CO.

"Battle Axe"—Good quality, enameled finish, perfect slip, neat marginal back design, assid. red and blue backs.
8823—Assid. 1 doz. in box ..... Doz **$2.55**

"Mogul" Pinochle—(46 cards), 2¼" x 3½", extra fine quality, hard glazed stock, slip, marginal back design. Assid. red and blue backs.
8802—Assid. 1 doz. in box ..... Doz **$3.85**

"Blue Ribbon" Linen finish, gold edges, 2 index. Assid. red and blue backs. Assid. 1 doz. in box.
8121 Regular size ..... Doz **$4.20**
8123 — Waist or French size 2½x3½ ..... Doz **$4.20**

"Smart Set" Whist—2¼x3½, superfine quality linen finish, 2 color picture backs, assid., 1 edge gold edges, 2 indexes, assid. 1 doz. in box.
8400XN—Linen finish ..... Doz **$5.65**

"JUDGE" PLAYING CARD

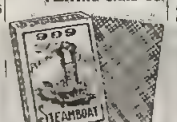
It is mighty seldom that a value like this is ever offered

Enameled

Fine Quality—Easy slip, attractive assorted backs, in design assid., red and blue backs. Assid. 1 doz. in box

per doz **$3.00**
6 doz., or more, Doz **$2.90**

MADE BY U. S. PLAYING CARD CO.



"Steamboat"—Popular back design,
8899—Assid. 1 doz. in box ..... Doz **$3.00**

25c "DAUNTLESS" PLAYING CARDS

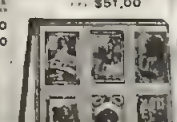
finish stock, easy slip, assorted color edge cards, assid. red and blue backs. 1 doz. in box **$2.25**

MADE BY A. DOUGHERTY PLAYING CARD CO.

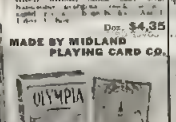
"BICYCLE"—Red and blue backs. Assid. 1 doz. in box
8808—Ivory finish **$4.35**
8808A—Air cushion finish **$51.00**

"Tally-Ho"—excellent quality linen finish, index edge, assorted backs, 1 doz. in box ..... Doz. **$4.35**

MADE BY MIDLAND PLAYING CARD CO.



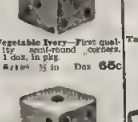
"Congress"—Extra fine quality, air cushion finish, gold edges, 6 tablet design picture backs in bright colors, side-opening telescope box. Assid. 1 doz. in card box in display carton.
8006 Regular size.
8006B Waist or French size. Doz **$6.85**



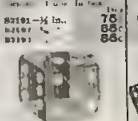
"Olympia" Pinochle decks—Extra fine quality, hard glazed finish stock, easy slip, high color face backs, [illegible] assid. red and blue backs. 1 doz. in box. Doz **$2.45**

DICE

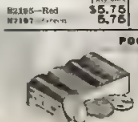
French Bone—First quality black spots, square corners. Per 100 in box. Per 100
8321S—⅝ in. **$1.80**
8321S—¾ in. 2.60
8321S—⅞ in. 3.50



Vegetable Ivory—First quality assid-round corners, 1 doz. in pkg.
8318S ⅝ in ..... Doz **65c**



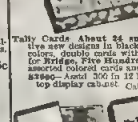
White Celluloid. First quality, assid-round corners, 1 doz. in pkg.
8319S—⅝ in.. 75c
8319T " 85c
8319U " 95c



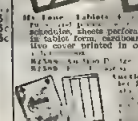
½ Inch
Transparent Celluloid
First quality, assid-round corners, white spots, round corners. Set of 5 in box. Loose wrapped. Sets in carton. Two sets.
8318S—Red **$5.75**
8318T—Green **5.75**

TALLY CARDS AND TABLETS

Tally Cards—24 subjects, colonial girls, butterfly and floral, landscape, [illegible] and [illegible] girl designs in colors. Assid. cards with red backs. For bridge, 500 and euchre.
8299—Assid. 300 in compartment display cabinet. Cabinet **$3.00**



Tally Cards—About 24 subjects, attractive new designs in black and white and colors, double cards with printed scores for Bridge, Five Hundred and Euchre, assorted colored cards and tassels.
8799c—Assid. 300 in 12 in. tray, hinged top display cabinet. Cabinet **$3.00**

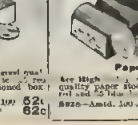


Hi Tone Tablets—[illegible] scorepads, sheets perforated and stapled in tablet form, cardboard backs, attractive cover printed in colors and gold. Assid.
8[illegible] **72c**

Auction Bridge Tablets—Same as Hi Tone tablets, but with [illegible] portfolio cover, [illegible]
8[illegible] Set consists of 4 pads numbered with white numbers from 1 to 8. Each set in decorated telescope box.
8[illegible]—½ doz. sets in pkg. Doz sets **$4.00**

POKER CHIPS

Composition
Anchor Brand—[illegible] and 25 blue in partitioned box.
8813 [illegible] Per 100 **62c**
8814—1½ in. [illegible] **62c**

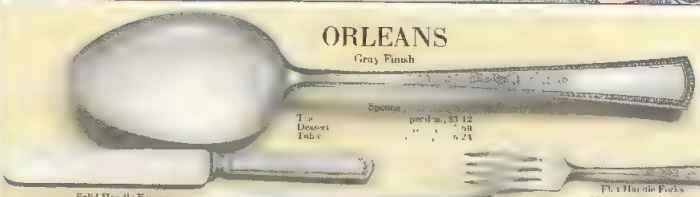


Paper
Are high [illegible] of excellent heat quality paper stock, 50 white, 25 red and 25 blue, [illegible] box.
8826—Assid. [illegible] in box. Per 100 **50c**

TRADE - **R. C. CO.** - MARK

ORLEANS

Gray Finish



Spoons
Tea per doz., $3.12
Dessert " " 4.68
Table " " 6.24

Solid Handle Knives
Medium, per doz., $7.10
Dessert, " " 6.00
Packed 6 doz. in box

Butter Knife
Tinned bux, each, $0.56
Bulk, each, $0.52

Flat Handle Forks
Medium, per doz., $6.24
Dessert " " 4.68

Orange Spoon
Set of six in lined box, $3.60

Butter Spreader
Set of six, $3.60

Sugar Shell
Tinned box each $0.60
Bulk " " .48

Oyster Fork
Set of six in lined box $3.00

Cold Meat Fork
Tinned box, each $1.14

Baby Spoon
Tinned box
Each $.36

Individual Salad Fork
Set of six in lined box, $4.15

Ice Tea Spoon
Bulk doz. $3.60

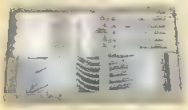
Berry Spoon
Tinned box
Each, $1.52

Ladles
Tinned box
Cream, each, $1.05
Gravy " " 1.30

One-third size

Soup Spoon
Set, Tinned $1.10
Bulk doz. $8.24

Coffee Spoon
Set of six, $.70

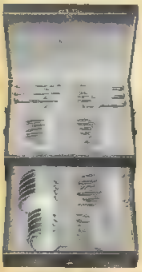


No. 200 Set, $6.63
6 Solid Handle Medium Knives and
6 Flat Handle Medium Forks

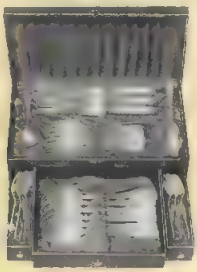
No. 243 Set, $.24
Butter Knife and Sugar Shell
Tinned Box

No. 15 Child's Set, $1.30
Fancy Knife, Fork and Spoon
Tinned box

Illustrations of sets and chests about one-seventh actual size



No. 214 Chest, 26 pieces ... $15.00
6 Tablespoons, 6 Dessert Spoons, 6 Teaspoons, 6 Solid Handle Medium Knives, 6 Flat Handle Medium Forks, Tinned



No. 211 Chest, 26 pieces ... $15.00
6 Tablespoons, 6 Dessert Spoons, 6 Teaspoons, 6 Solid Handle Medium Knives, 6 Flat Handle Medium Forks, Tinned

No. 2 Chest ... $21.48
Mahogany Finished Chest, 26 pieces, as follows: 6 Tablespoons, 6 Dessert Spoons, 6 Teaspoons, 6 Solid Handle Medium Knives, 6 Flat Handle Medium Forks, Tinned

No. 210 Case, 26 pieces ... $15.00
Blue Velveteen, Silver Lined.

SILVER PLATE ON NICKEL SILVER

TRADE – R. C. CO. – MARK

CHATHAM

Bright or Gray Finish

Tea, per doz., $3 12
Dessert, " 3 00
Table, " 3 25

Solid Handle Knives
Medium, per doz., $7 10. Dessert, per doz., $6 90
Packed 1½ doz. in box

Flat Handle Forks
Medium, per doz., $6 24
Dessert, " 5 99

Butter Knife
1 in lined box, each $0 66
Bulk, each $0 53

Sugar Shell
1 in lined box, each, $0 50
Bulk, each, $0 48

Butter Spreaders
Set of six, $3 00

Orange Spoon
Set of six in lined box $3 00

Oyster Fork
Set of six in lined box, $3 00

Cold Meat Fork
1 in lined box, each, $1 14

Baby Spoon
Each, $0 58

Individual Salad Fork
Set of six in lined box, $3.14

Ice Tea Spoon
Bulk, doz., $3 [illegible]

Ladles
1 in lined box
Cream, each $1 01
Gravy, " 1 34

Berry Spoon
1 in lined box
Each, $1 32

One-third size

Soup Spoon
Set of six, $3 40
Bulk, doz., $6 24

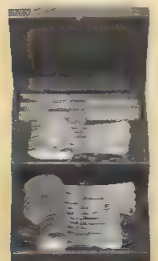
Coffee Spoon
Set of six in lined box, $1 70

No. 230 Set, $6 61
6 Solid Handle Medium Knives and 6 Flat Handle Medium Forks

No. 223 Set, $1.24
Butter Knife and Sugar Shell
In lined box

Illustrations of sets and chests, about one-seventh actual size

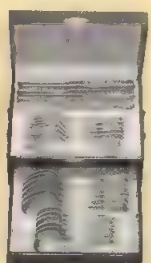
No. 15 Child's Set, $1 30
Fancy Knife, Fork and Spoon
In lined box



No. 235 [illegible] 26 pieces $ 5 80
Polished Hardwood [illegible] Mahogany Finish, [illegible]

No. [illegible] Chest, [illegible] pieces $32 50
Mission Oak [illegible]
[illegible] Spoons, 6 Soup Spoons, 6 Gravy [illegible] 1 Pair Ladles, 1 Pair Sugar Shell, 1 Cold Meat Fork, 1 Carving Set

No. 240 Case, 26 pieces $15 00
Blue Flock Lined Lid

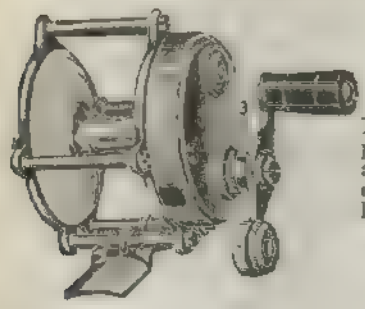


No. 250 Chest, 26 pieces $14 24
Mission Oak [illegible]
with Drawer [illegible]

112

SILVER PLATE ON NICKEL SILVER

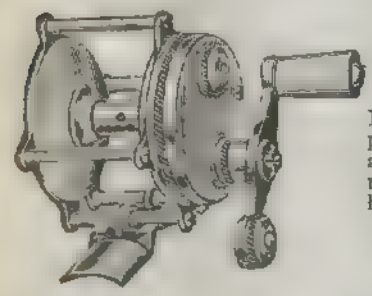
FISHING REELS



Double multiplying. Raised piller, screwed, with patent adjustable slide drag and back sliding click; nickel plated, with balance handle.

Nos.	404	406	407
Capacity, yds	40	60	80
Length pillars, ins	1	1	1⅛
Diam disks, ins	2	2¼	2½
Wt each, ozs	5	7½	7½
Per Doz	$36 75	39 75	42 75

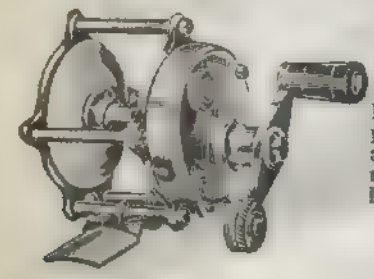
One in cardboard box.



Double multiplying. Raised piller, screwed, with patent adjustable slide drag and back winding click; nickel plated, with balance handle, with white knob.

Nos.	414	416	417
Capacity, yds	40	60	80
Length pillars, ins	1	1	1⅛
Diam disks, ins	2	2¼	2½
Wt each, ozs	7½	7½	7½
Per Doz	$39 00	42 75	45 75

One in cardboard box.



Double multiplying. Raised piller, screwed with patent adjustable slide drag and back winding click, nickel plated, with balance handle and rubber cap.

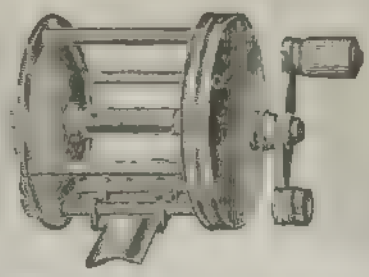
Nos.	504	506	507
Capacity, yds	40	60	80
Length pillars, ins	1⅛	1	1⅛
Diam disks, ins	2	2¼	2½
Wt each, ozs	5	5½	7½
Per Doz	$44 25	45 75	48 75

One in cardboard box.

Line capacity of above reels in yards.

Letters	G	F	E	D	C	B
Numbers	6	5	4	3	2	1
Nos. 404, 414 and 504	50	40	30	25	20	15
Nos. 406, 416 and 506	75	55	40	30	25	20
Nos. 407, 417 and 507	90	65	50	40	35	25

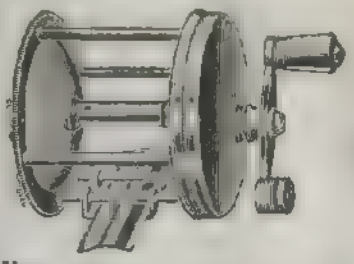
FISHING REELS



Quadruple multiplying. Long spool, inserted hard metal bushings; oil cup over bearings; adjustable click and drag; steel pinion; nickel plated, with fancy white handle. A great value in quadruple reels.

Nos.	614	616	617
Capacity, yds	40	60	80
Length pillar, ins	1⅝	1⅝	1⅝
Diam, disk, ins	2	2¼	2½
Wt each, ozs	7½	7½	9
Per Doz	$50 40	55 50	59 25

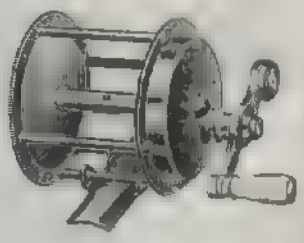
One in cardboard box



Extra quality. Inserted hard metal bushings; oil cup over bearings; adjustable click and drag; nickel plated, with fancy white handle

Nos.	424	426	427
Capacity, yds	40	60	80
Length pillar, ins	1⅝	1⅝	1⅝
Diam disk, ins	2	2¼	2½
Wt each, ozs	7½	7½	7½
Per Doz	$51 75	54 75	61 50

One in cardboard box.



SAMPSON

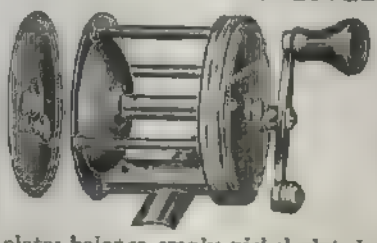
Quadruple Multiplying.

Brass, nicke. plated; white celluloid handle; adjustable click and drag. All parts carefully machined.

	Per Doz
No. 250—Capacity 80 yds; diam plate 2¼ ins; length spool 1½ ins	$66 00

One in cardboard box; wt each 8 ozs

PFLUEGER



PONTIAC

Surf Casting-Double Multiplying.

Generated spiral tooth gears; bushed for bearings, adjustable backsliding click, front and back fancy oil-cups, pinion cover; steel pivots, improved one-piece cast cross-plate; balance crank; nickel plated, with bakelite handle.

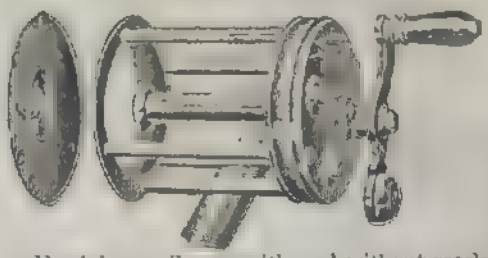
Nos.	356	357	358	359
Capacity, yds	150	200	250	300
Length pillar, ins	2	2	2	2
Diam disk, ins	3	3¼	3½	3¾
Wt each, ozs	18	24	28	28
Per Doz	$117 00	126 00	138 00	147 00

One in cardboard box.

FISHING REELS

BUCKEYE

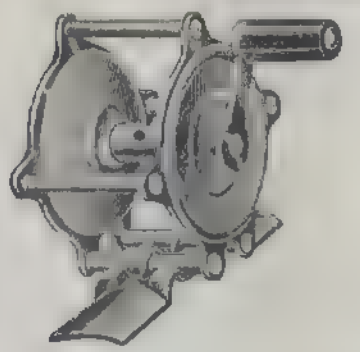
Quadruple, With Single Handle Crank.



Generated spiral tooth gears, bushed for bearings. Adjustable front sliding Phospor bronze goose neck click; adjustable front sliding drag; front and back fancy oil cups; with and without scarlet genuine agate jewels; steel pinion; steel pivots, highly polished; single handle crank, balanced; Pyralin ivory handle with bronze bushing. Polished nickel.

	Without Jewels.		With Jewels.	
Nos.	993	994	993J	994J
Old Nos.	463	464	463J	464J
Capacity, yds	60	80	60	80
Pillars, ins	1⅞	1⅞	1⅞	1⅞
Diam disks, ins	2	2¼	2	2
Wt each, ozs	6½	10	6½	6½
Per Doz	$132 00	141 00	153 00	168 00

One in cardboard box.

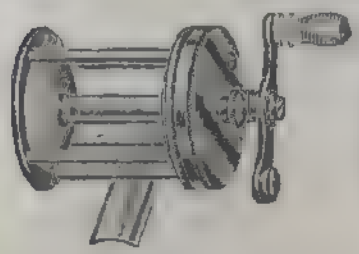


FERNWOOD

Single acting. Raised pillar; riveted; nickel plated.

	Without Click.		
Nos.	102	104	106
Capacity, yds	25	40	60
Length pillars, ins	1	1 1/16	1 1/16
Diam disks, ins	1½	1⅝	2
Wt each, ozs	2	2	2
Per Doz	$9 90	10 95	12 30
	With Click.		
Nos.	202	204	206
Capacity, yds	25	40	60
Length pillars, ins	1 1/16	1 1/16	1 1/16
Diam disks, ins	1⅝	1⅝	2
Wt each, ozs	2	2	2
Per Doz	$9 90	10 95	12 30

Half doz in cardboard box



FERNWOOD

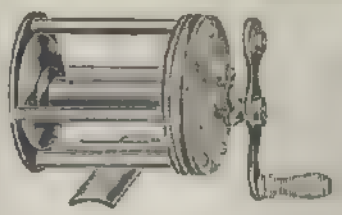
Quadruple winding. Made of brass, heavily nickel plated. All parts carefully machined; adjustable click and drag; fancy white handle

Nos.	601	801
Capacity, yds	60	80
Length pillar, ins	1⅞	1⅞
Diam disks, ins	2	2¼
Wt each, ozs	7½	8½
Per Doz	$79 50	85 50

One in cardboard box.

FISHING REELS

THE NEW FERNWOOD



Quadruple Multiplying, With Jewels.

Brass, nickel plated Shouldered steel pinion; especially cut gear; jeweled adjustable bearing caps; countersunk crank with pyralin handle; adjustable click, positive in action.

Per Doz

No. 1601—Capacity 60 yds; length pillar 1⅞ ins; diam spool discs 2 ins $79 20

One in cardboard box, wt each 7½ ozs.

SUNNYBROOK

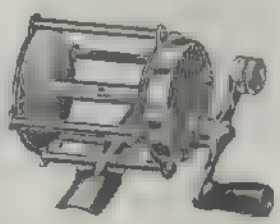
Single Action, With Click.

Wood handle, black finish. Capacity 60 to 80 yards; diameter of spool 2¼ inches; width ¾ inch.

Per Doz

No. 150—Brass, nickel plated $35 25
No. 150½—Brass, gun metal finish 35 25

One in cardboard box; wt each 4 ozs.



SUNNYBROOK

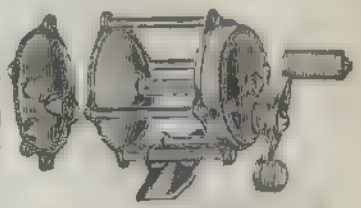
Double Action, With Click.

Brass, nickel plated; wood handle, white celluloid finish. All parts carefully machined.

Per Doz

No. 75—Capacity 60 yds; diam spool 1¾ ins; length spool 1¼ ins $19 80

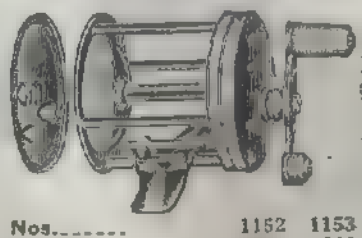
One in cardboard box, wt each 4 ozs



Multiplying. Raised pillar, steel cog post; adjustable back sliding click and drag; polished and nickel plated, with white balanced handle, jeweled.

Nos.	1142JG	1143JG
Old Nos.	840J	860J
Capacity, yds	40	60
Length pillar, ins	1⅜	1⅜
Diam disks, ins	2	2¼
Wt each, ozs	7½	7½
Per Doz	$47 25	49 50

One in cardboard box



Quadruple multiplying. Round pattern; wide spool, steel cog post; adjustable back sliding click and drag; polished and nickel plated, with white balanced handle

				—Jeweled—		
Nos.	1152	1153	1154	1152JG	1153JG	1154GJ
(Old Nos.)	240	260	280	540J	560J	580J
Capacity, yds	40	60	80	40	60	80
Length pillar, ins	1⅝	1⅝	1⅝	1⅝	1⅝	1⅝
Diam disk, ins	2	2¼	2½	2	2¼	2½
Wt each, ozs	7½	7½	7½	7½	7½	7½
Per Doz	$57 00	61 50	66 00	63 00	67 50	71 25

One in cardboard box.

Best Selling Numbers!

Priced to bring you business at a Profit. You can use every one of these Special Values

"TORNADO"

DISC WHEEL SCOOTER

The biggest value ever offered in a disc wheel scooter! At our price you can meet any competition and give your trade an unusual value. Every scooter guaranteed by the manufacturer and ourselves.

Roller Brake Used on 1F15 (See Below)

1F11—37 in. long, 34 in. high, black enameled steel frame, natural varnished wood platform, black stripes and word "Tornado," 9½ in. red enameled double disc wheels, roller bearings, 9½ in. corrugated rubber tires, varnished turned wood grips, steel and wood construction. 4 in carton, 35 lbs.

Each **$2.75** 6 or more, Each **$2.65**

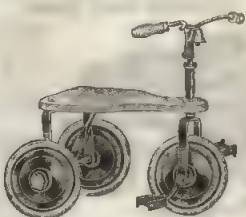
1F15—With roller brake

Each **$3.10** 6 or more, Each **$3.00**

"OVERLAND"

DISC WHEEL COASTER BIKE

An attractive price on the well known coaster bike



1F226—Made of steel, 21 in. long, 18½ in. high, red enameled steel frame, nickel plated handle bars, varnished natural wood grips, 16x2½ in. rear, 12½ enameled handle bar, 2½ in. red enameled double disc wheels, ½ in. rubber tires, with [illegible] 4 in carton, 32 lbs.

2 or more, Each **$2.00** 6 or more, Each **$1.90**

3⅛ In. Golf Pattern Rubber Ball

This is a feature ball for the money—it's a winner for sales.

Golf Ball Design

1F1620—3⅛ in. golf pattern, good quality elastic white rubber. 1 doz. in box

Doz **84c** Gro **$9.50**

7⅜ In. "A B C" Rubber Ball

A big size play ball in this popular pattern—and a big value at this price.

With Colored Stripes

1F1583—7⅜ in. fine quality white rubber, "A B C" pattern with colored stripes, 1 doz. in box

Doz **$8.00**

Baby Walker and Kiddy Car

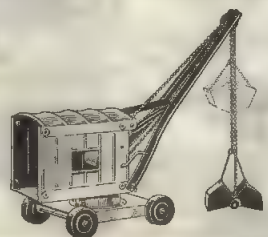
Two toys in one, baby walker and foot propelled car. Exceptionally well made, will stand rough use.

1F1042—36 in. long, 34 in. high, heavy black enameled steel frame, well braced, red enameled hardwood seat and back, varnished guard rail, four 4½ in. red enameled, double flat wheels, rubber tires, 2¾ in. tread, steel and wood construction, [illegible] 2 in shipping carton

2 or more, Each **$2.20** 6 or more, Each **$2.10**

"Sampson" Grab Bucket Crane

Leading grab bucket toy in the country today. Bigger and better than those sold for nearly twice as much. Exceptionally well made, finished in bright colors.



1F2530—5x28-5x4x6 in. revolving engine house on 5 4x2 x 4 platform, bright enameled combination red & [illegible] red & green etc. 1 in black enameled disc wheels, 12 in. high x one piece molded derrick, figured with cable. Operated by [illegible] hand crank with reverse, all wood, [illegible] automatic [illegible] opens and closes. Each 1 in box, 1 doz. in carton

Doz **$8.50**

Woven Fiber Baby Carriages

Lloyd Loom

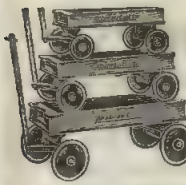
Loom woven fine texture fiber body, waterproof and warmproof. The loom-woven feature eliminates all loose ends and other defects often found in hand weaving.

Pullman sleeper style, [illegible] of body with back reclining 38 in., width over all, 21 in., full corduroy lined body and hood, mattress cushion, reversible gear, adjustable hood, with glass windows, strong steel springs, nickel plated hub caps, downward push foot brake, [illegible] 42 inches, [illegible] in crate, 80 lbs.

1F1353—Ivory finish
1F1356—Gray finish
1F1357—Blue finish

Each, **$99.00**

"AMERICAN" LITTLE TOTS' COASTERS



With Rubber Tires

The demand has been established for these very popular small size wagons—can be used both indoors and out.

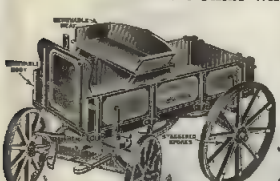
Well assembled, varnished white ash bodies, red and tan ornamentation and letters front and rear end boards mortised in sides, body attached to gears by 3 bumper irons and nuts with forged steel axles, enameled dough disc wheels rubber tires.

1F57—10x20 in. body 4½ in. wheels ¾ in. rubber tires. 2 in carton, 30 lbs. Each **2.20**

1F58—11x24 in. body 5¼ in. wheels ⅞ in. rubber tires. 2 in carton, 38 lbs. Each **2.70**

1F59—12x28 in. body, 7 in. wheels, ¼ in. rubber tires. 1 in carton, 19 lbs. Each **3.50**

MINIATURE FARM WAGON



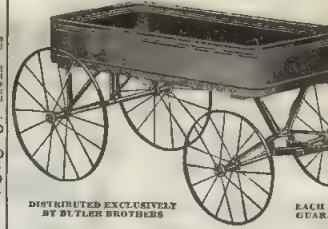
1F67—13 x 35 in. green body, black and yellow trim, hardwood frame, seat and dashboard, removable ornamented sides and ends, 14 and 20 in. red wheels, heavy welded tires, malleable iron hub caps and bands, strongly ironed and braced, ⅝ in. round steel axles, heavy handle. 1 in crate, 67 lbs. Each **8.40**

Goat or Dog Shaft

1F70—For 13-8, wagon, 4 in. long, 17 in. wide, painted red, black stripes. 1 in pkg. 5 lbs. Each **95**

DISTRIBUTED EXCLUSIVELY BY BUTLER BROTHERS

"MARATHON" STEEL WAGONS



EACH WAGON GUARANTEED

Size—Each "Marathon" wagon is larger size than the corresponding manufacturer's number below

Body—Braced sheet steel, extra strong

Rear Wheels—Larger than front wheels and extra strong

Indestructible Fifth Wheel—Superior construction giving extra strength

Handle Supports—Keeps handle off floor at pulling height.

Front Gear—Very strong in one piece with extra tongue brace

Tongue Irons—Made of extra heavy steel.

Reinforced Wagon Box Reinforced in three places with 20 heavy rolls and beading.

Bottom Boards Matched kiln dried lumber, tongued and grooved and glued

Wood Cleats—Extra cleats reinforcing bottom boards

Extra Braces—1F105 and larger sizes have extra steel brace at center of rear axle.

Body Finish—Bright red enamel finish, applied with air brush, green inside

Hardwood Handle—With steel grips.

		Body		Wheels		
1F104—(Mfrs. No)	7¼x13¾ in.				½ doz. in pkg., 84 lbs.	Doz **8.00**
1F103—(" 04)	9x18 "	8 and 9 in.	¾ "	38 "	"	" **12.25**
1F105—(" 03)	11x22 "	8 " 10 "	⅞ "	25 "	"	" **15.50**
1F107—(" 1)	13x26 "	10 " 13 "	⅞ "	28 "	"	" **22.50**
1F108—(" 3)	15x30 "	12 " 15 "	⅞ "	35 "	"	" **27.50**
1F110—(" 5)	16x32 "	13 " 16 "	⅞ "	42 "	"	" **31.50**

1F112—6 size assortment, including one each of 1F101, 103, 105, 107, 109, 110, ranging in size from 7 x 14¼ in. to 16x32 in. body. Asstd. 6 in crate, 78 lbs. ASSORTMENT (6 wagons) **9.95**

ALL STEEL WAGONS

Beaded all steel bodies, black enameled steel bolsters and gearing, steel axle, double disc steel wheels

1F42—6x18 in., 4½ in. blue wheels, wire handle.
1 doz. in carton, 38 lbs. . . Doz **5.00**

1F43—6x18 in. 4½ in. blue wheels, wood handle.
1 doz. in carton, 38 lbs. . . Doz **5.75**

1F44—7¼x15 in. 6 in. and 4½ in. blue wheels, wood handle.
½ doz. in carton, 36 lbs. . . . . Doz **8.00**

1F45—9x18 in., 7 in. and 6 in. blue wheels, strong bolsters and bracing, wood handle. ½ doz. in carton, 36 lbs. . . . . Doz **11.00**

1F46—9x18 in., double braces under bed, wood handle, 6 in. red wheels, ⅝ in. rubber tires. ½ doz. in carton, 50 lbs. . . . . Doz **15.50**

WOOD HAY CART

1F39—7x18¼ in. red stained wood body, 3 slat open sides, 6 in. wood spoke wheels, tin tires, long wood handle.
½ doz. in crate, 36 lbs. . . Doz **1.75**
Gro **20.00**

WOOD BODY EXPRESS WAGON

1F45—5½x12 in. varnished wood body, black stenciled "Express" on each side, 4½ in. wheels, steel tires, 10½ in. handle.
1 doz. in crate, 26 lbs. . . Doz **$2.25**
Gro **$26.50**

MENGEL WHEEL TOYS—Toys of Quality

Varnished natural finish hardwood body, embossed "Trail-O-Way" and playtime scenes on each side, dovetailed corners, red painted 5 ply veneer wood wheels, red tongue.

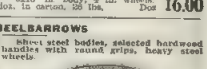
1F30—6x12 in. body, 3 in. wheels, ½ in. tires. In carton 15 lbs. Doz **8.75**

1F31—7½x15 in. body, 3¼ in. wheels, ½ in. tires. ½ doz. in carton, 30 lbs. Doz **13.20**

1F32—9x18 in. body, 4 in. wheels, ⅝ in. tires. ½ doz. in carton, 38 lbs. Doz **16.00**

TOY STEEL WHEELBARROWS

Sheet steel bodies, selected hardwood handles with round grips, heavy steel wheels.

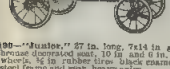


1F16 Garden barrow, 24 in. long, 7¾x12 in. flare body turned, extra stained handles, 4 in. tires, single, double disc wheels. Very popular.
1 doz. in carton, 25 lbs. Doz **2.25**
Gro **26.00**

1F12 Dump barrow, 29 in. long, 11x18 in. red body, 6 in. double spoked blue enameled double disc wheels, green stained frame. 1 doz. in carton, 90 lbs. . . . . Doz **4.20**

1F14—Garden barrow 33 in. long, 10¾x15 in. red enameled body, 6 in. steel enameled double disc wheels, green stained frame and handles. ½ doz. in carton, 53 lbs. Doz **7.00**

POPULAR JUVENILE HAND CARS



1F190—"Junior," 37 in. long, 7x14 in. gold bronze decorated seat, 10 in. and 6 in. red wheels, ¾ in. rubber tires, black enameled steel frame and gear, heavy axles.
1 in crate, 25 lbs. . . . . Each **3.40**

1F200—"Traveler," 31 in. long, 7¾x16 in. red seat, 12 and 8 in. red wheels, ¾ in. rubber tires, black enameled steel frame with gear, good bronze decoration, heavy axles, nickel plated hub caps.
1 in crate, 40 lbs. Each **4.50**

"DUM-PED-KAR"

2 toys in one. The dumping action is a particularly good feature and makes easy sales.

1F234—36 in. long, 13½ in. high to seat, red enameled stamped seat, yellow enameled steel dump box, white edge ornamentation, wood lever, 2 tables, 2 nickel bands on bars and steel front fend., rubber grips, 11 in. wheels, 2 rubber tires, pedal crank and pedals.
1 in carton, 15 lbs. Each **4.00**

SAND'S MASONS' PINE LEVELS

Made of Carefully Selected, Thoroughly Air Dried White Pine. Each Piece being left to Stand from Six to Twelve Months before being made into Finished Stock, Thereby Insuring Absolute Accuracy. All Pine Levels are Finished with Three Coats of Weather Proof Paint. Nos. 3-A and 7-A are reversible. Will Plumb any End or Level any Edge Up. New Hand Grips Give Uniform Strength and Prevents Warping.

No. 1-A

No. 1-A Pine 42 or 48" x 2½" x 1¼", 2 Plumbs, 2 Levels, Protected Glasses, Weight 2½ lbs. **Each**

No. 3-A

No. 3-A Pine 42 or 48" x 2½ or 1¼" 4 Plumbs, 2 Levels, Protected Glasses, Weight 2½ lbs. **Each**

No. 7-A

No. 7-A Pine—Fully Brass Lined 42 or 48" x 2½ x 1¼", Four Plumbs, 2 Levels, Protected Glasses, Weight 3½ lbs., **Each**

SAND'S ALUMINUM LEVELS

Sand's Aluminum Levels are the Standard of Accuracy, and the Easiest to Read in Dark Places. They will Plumb Any End or Level Any Edge Up. This allows Overhead use to Plumb or Level Ceilings, Girders, Shafting, Etc. Can be Used and Read in any position, High or Low, Up or Down at Arms Length.

No. 12-V, No. 18, ~~No. 24~~

No. 12-V Aluminum—12 x 2¼ x 1⅛" **Each** .....

No. 18 Aluminum—18 x 2¼ x 1⅛" **Each** .....

Above numbers have 2 Plumbs, 2 Levels, Protected glasses, Weight 1½ and 1¾ lbs. No. 12-V has grooved edge. No. 18 also furnished with grooved edge at extra cost.

LEVEL SIGHTS
No. 10

These sights are die cast, therefore absolutely accurate, and are a convenient means for leveling from one given point to another at a long distance away.

No. 24, No. 26, No. 28, No. 30

No. 24 Aluminum 24 x 2¼ x 1⅛" **Each** . **No. 28 Aluminum** 28 x 2¼ x 1⅛" **Each**

No. 26 Aluminum 26 x 2¼ x 1⅛" **Each** **No. 30 Aluminum** 30 x 2¼ x 1⅛" **Each**

All Numbers have 4 Plumbs, 2 Levels, Protected Glasses, Weight—No. 24 2 lbs., No. 26 2¼ lbs., No. 28, 2½ lbs.; No. 30 2¾ lbs. Furnished also with Grooved Edge at extra cost.

No. 42 Masons

No. 42 Aluminum 42 x 2¼ x 1⅛" 4 Plumbs, 2 Levels, Protected Glasses, Weight 4 lbs. **Each**

SAND'S CARPENTERS' PINE LEVELS

No. 677

No. 677 Pine—12 to 20" x 2½ x 1¼". 1 Plumb, 1 Level Glass, Protected Glasses, 1 lb. **Each**

No. 678

No. 678 Pine—24 to 30" x 2½ x 1¼", 1 Plumb, 1 Level Glass, Protected Glasses. Level Glass has Two Sides, One Top View, 1½ lbs. **Each**

No. 679

No. 679 Pine—24 to 30" x 2½ x 1¼" 1 Plumb, Level Glass, Protected Glasses, Brass Ends, Brass Top Plate with View, 1½ lbs. **Each**

No. 118, No. 118-BE

No. 118 Pine—18 to 30" x 2½ x 1¼" wide
No. 118-BE—Same as No. 118 With Brass Ends. Both Numbers have 2 Plumbs, 2 Level Glasses, Use Either End or Edge for Plumb or Level, Protected Glasses, Weight 1½ lbs, **Each**

No. 118-BB

No. 118-BB Pine—18 to 30" x 2½ x 1¼" wide. Fully Brass Lined, Brass End Plate, 2 Plumbs, 2 Level Glasses, Protected Glasses. Use Either End or Edge for Plumb or Level, Weight 2 lbs., **Each**

Oval Hole 6 Glass

Carpenter and Mason Levels

No. 218-No. 218 BE-6 Glass

No. 218 Pine—24" to 30" x 2½" x 1¼". **Each**
No. 218-BE Pine—Same as No. 218, with brass ends. Both numbers have 4 plumbs and 2 levels and can be used to plumb or level either end or edge up. Protected spirit tubes. Two hand grips. Average weight 1½ lbs.

No. 218 BB -6 Glass

No. 218-BB Pine—24 to 30" x 2½" x 1¼". Fully brass bound with brass end plates. Otherwise the same as No. 218. Average weight 2 lbs. **Each**

Masons' Oval Hole Levels

No. 4-ABE—6 Glass

No. 4-ABE Pine—42 x 2¼ x 1⅛ inches. Weight 2¼ lbs.
No. 4-ABE Pine—48 x 2¼ x 1⅛ inches. Weight 2½ lbs.

Four plumbs, two levels and two hand grips. These numbers have the oval shaped spirit-tube openings that give an excellent view of the bubbles from any angle. Openings painted white inside, for greater visibility in dim light. They plumb or level either end or edge up. Fitted with brass end plates, Protected Glasses. **Each**

No. 5-A—6 Glass

No. 5-A Pine—42 x 2¼ x 1⅜ inches. Weight 3 lbs.
No. 5-A Pine—48 x 2¼ x 1⅜ inches. Weight 3½ lbs.

Fully brass bound, including brass end plates. Otherwise the same as No. 4-ABE. A model any mason will take pride in owning. A quality product that looks the part.

Each

White Pine Makes Better Levels

The white pine used for the manufacture of Sand's Levels actually costs us more than hardwood. The clear-grained pine that grows on the west coast has proved the best for our purpose. We scouted the country for a wood that would serve best, one of the heads of this company finally locating it in the states of California and Idaho.

This pine does not shrink, swell, check, split or twist—it doesn't rot, even after years of exposure under the most exacting climatic conditions. It is light and soft yet strong. It seasons thoroughly in less time than hardwoods. This wood takes nails and screws without splitting, and closes in around them, holding them fast.

A decided advantage for level making is its freedom from objectionable acids and oils, and the close grain, which takes paints and stains perfectly.

RIFLES

MARLIN REPEATING

Model 93 Carbine, Solid Frame, Full Magazine, Center Fire, 7 Shots.

Adapted to use high power smokeless cartridges. Lever action; visible hammer; side ejection; solid top, closed-in frame. Built on carbine lines throughout and is thoroughly accurate and quick handling. Blued finish barrel and butt plate, case hardened receiver. Special smokeless steel barrel, 20 inches long; carbine front and rear sights. Black walnut straight grip butt stock and forearm; drop at comb 1¾ inches; grip at heel 3 inches; length over all 38 inches.

	Each
No. 3093-C—30-30 caliber; shoots No. 30-30WMC and 30-30WSP cartridges; wt each 6¾ lbs	$82 50
No. 3293-C—32 spec caliber; shoots Nos. 32WSPMC and 32WSPSP cartridges; wt each 6¾ lbs	82 50

One in cardboard; ten in wood case.

SAVAGE REPEATING

Model 1914, Trombone Action, Take Down, Hammerless.

22 caliber, hammerless takedown repeater; shoots 22 short, 22 long and 22 long rifle cartridges, without adjustment, has solid breech, solid top and side ejection. Direct feed of cartridges from magazine to chamber prevents jams and dislodgement of bullet in shell, this insures accuracy. All the moving parts are enclosed within the receiver, the safety is of the shot gun type and is located on top of the tang, immediately in front of the grip, the action is positive, short, quick and easily operated.

Best steel octagon barrel 24 inches long; bead front and adjustable wind gauge rear sight, American walnut shot gun, full pistol grip stock with steel butt plate. Length taken down 27½ inches. Tubular magazine holds twenty 22 short, seventeen 22 long or fifteen 22 long rifle cartridges.

	Each
No. SH2214—22 caliber; shoots 22 short, 22 long and 22 long rifle cartridges; wt each 5¾ lbs	$52 50

One in cardboard box, ten in wood case.

Sporter Model 1922, Hammerless, Six Shot.

A rifle with the precision of the finest small bore range rifles combined with the most modern features found in up-to-date sporting models.

Best round steel barrel 23 inches long; sturdy hunting bead front sight and a flat top hunting rear sight; genuine American walnut stock, varnished; checkered full curved trigger; detachable box type magazine is inserted in front of the trigger guard and holds five 22 long rifle cartridges in a single column.

	Each
No. SS22—22 caliber; shoots Nos. 22LRL, 22LRS, 22LRSHP, 22LRLHP, 22NRA and 22 NRAHP long rifle cartridges; wt each 6 lbs	$46 50
No. SS22M—Extra magazine for No. SS22 rifle	1 65

Ten in wood case; wt per case about 80 lbs.

RIFLES

SAVAGE REPEATING

Sporter Model 1923, Hammerless, Six Shot.

25-20 caliber bolt action rifle with rear locking lug on bolt into receiver. Best round steel barrel 25 inches long; sights are Rocky Mountain knife blade front and flat top elevator adjustment rear of sturdy construction. One piece stock and forearm of selected American walnut, varnished; full curved pistol grip. Five shot detachable box type magazine.

	Each
No. 23B-25-20—25-20 caliber; shoots Nos. 25-20WMB, 25-20WSMC, 25-20WSSP and 25-20HS; wt each 6 lbs	$59 25
No. 23C-32-20—32-20 caliber; shoots Nos. 32-20WMB, 32-20WSMC, 32-20WSSP and 32-20HS; wt each 6 lbs.	59 25

Ten in wood case; wt per case about 80 lbs.

SAVAGE REPEATING

Model 1899, Feather Weight, Hammerless, Six Shot.

For the sportsman who does not wish to carry a single unnecessary ounce, this Savage will prove a delight. Not only because it is the lightest big game repeating rifle in existence, but because it has all the same good qualities of the other Model 1899 Repeaters—the strong breeching mechanism, the hammerless feature, the revolving magazine—in a word, those advantages that make Savage rifles distinctive from other guns.

The special barrel is 20 inches in length, beautifully tapered and made from Savage "Hi-Pressure" steel. The stock is the shotgun style, fitted with steel butt plate. The metal bead front sight, brazed on the barrel, is of special design, and can not be removed. Supplied with No. 15 wind gauge rear sight having flat top with simple and secure adjustment for elevation and windage. This makes an excellent combination. For all practical hunting ranges, the 20 inch barrel will be found to kill just as quickly and accurately as the longer lengths. Weight 6 lbs.

	Each
No. $30-30FW—30-30 caliber; shoots Nos. 30-30WMC and 30-30WSP cartridges	$116 25

Ten in wood case; wt per case about 80 lbs

How much Base Ball Goods are you selling and what kind do you sell? Buying these lines from us will increase your Sales and Profits.

RIFLES

SAVAGE REPEATING

Model 1899, Hammerless, Six Shots.

Model 1899 hammerless repeater; automatic revolving, indicating magazine, in which the cartridges lie side by side preventing bullets touching primers of other loads; safety is thus secured and balance of gun does not continually change, as is the case with a tubular form of magazine; equipped with hammer indicator and positive safety, which locks both firing mechanism and lever; accurate range for caliber 303-1000 yards on remaining calibers 800 yards. Solid wall of steel between barrel and operator insures protection in cases of defective shell or primer.

Forged steel barrel 26 inches long, white metal bead front sight and flat top sporting rear sight; blued trimmings; genuine American walnut stock, with steel butt plate.

Round Barrel.
Solid Frame.

	Each
No. S30-30R—30-30 caliber; shoots Nos. 30-30WMC and 30-30WSP catridges; wt 8 lbs	✚$97 50
No. S303R—303 caliber; shoots Nos. 303SMC and 30-3SSP cartridges; wt 8 lbs	✚ 97 50
No. S32-40R—32 40 caliber; shoots Nos. 32-40WB and 32-40WSSP cartridges; wt 7¾ lbs	✚ 97 50
No. S38-55R—38-55 caliber; shoots Nos. 38-55WB and 38-55WSSP cartridges; wt 7¾ lbs	✚ 97 50

Takedown.

No. 303TD—303 caliber; shoots Nos. 303SM and 303SSP cartridges; wt 7¾ lbs	✚ 123 00
No. S30-30TD—30-30 caliber, shoots Nos. 30-30WMC and 30-30WSP cartridges; wt 7¾ lbs.	✚ 123 00

Featherweight Takedown.

No. 303FW—303 caliber; shoots Nos. 303SMC and 303SSP cartridges; wt 6½ lbs	✚ 143 25

Ten in wood case; wt per case about 115 lbs.

SAVAGE REPEATING

Model 1899.

22 Caliber, Savage, Hi-Power; Center Fire, Six Shot.

Built with the Savage strong and durable take down feature, which is the simplest and most convenient ever devised.

The velocity is 2800 feet per second, being higher than that of any other rifle manufactured in the United States and 100 feet per second higher than that of the new Springfield U. S. Army Rifle. It uses a sharp pointed bullet weighing 70 grains and gives a muzzle striking energy of 1200 foot pounds. Will penetrate half-inch steel boiler plate or nine ⅞ inch pine boards.

Round tapered barrel 20 inches long made from Savage "Hi-Pressure" Steel; highly finished American Walnut Stock and fore-end; Shot Gun steel butt plate. Weight 7 lbs.

	Each
No. S22HP—22 caliber, shoots Nos. 22SSP and 22SMP center fire cartridges	$116 25

Ten in cardboard box; wt per case about 85 lbs.

✚F. O. B. New York Factory Only.

RIFLES

Model 1899, Take Down, Hammerless, 250-3000 Caliber Six Shot.

This rifle is made on the same action and is of the same general type as the .22 Savage Hi-Power, except it is of larger caliber with heavier bullet, longer range, and greater striking power. Has higher velocity, flatter trajectory and greater accuracy than any other rifle made in this country. The velocity is 3,000 feet per second. The energy is 1739 foot pounds and the trajectory (mid-range height for 300 yards 5.7 inches) is so flat that sight need not be raised for the longest sporting ranges.

Round tapered Hi-Pressure steel barrel 22 inches long, with integral front sight base; nickel silver bead front sight and sporting wind gauge rear sight; checkered shot gun butt stock and fore-arm; extra full pistol grip, capped; corrugated steel butt plate. Weight 7 lbs.

	Each
No. 250-3000—250-3000 caliber; shoots Nos. S250-3000MP and S250-3000SP cartridges	$128 25

Ten in wood case; wt per case about 11[illegible] lbs

SHOT GUN BARRELS

FOR TAKE DOWN RIFLES

All Model 1899 Savage Rifles.

Made of high pressure smokeless steel.

.410 gauge barrel can be adjusted to any model '99 take down rifle of .30-30, .303 or .250-3000 caliber, regular or featherweight and .22 Hi-Power featherweight Savage rifles. No tools are required to change the barrels.

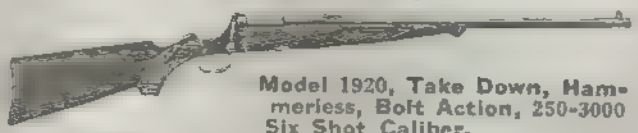
Note—Always specify the caliber of rifle for which the shot gun barrel is wanted.

	Each
No. 410SB—Wt each 4½ lbs	✚$25 50

One in wood box.

RIFLES

SAVAGE RIFLES



Model 1920, Take Down, Hammerless, Bolt Action, 250-3000 Six Shot Caliber.

Represents the latest and highest development of the American hunting rifle. Not a modified or converted military arm adapted as a makeshift to hunting purposes. The action was designed around the efficient cartridge which it handles. Holds as steadily as a much heavier arm. Velocity is 3000 feet per second.

The cartridge is rimless and in spite of its tremendous velocity and great accuracy is easy on the rifle.

Round tapered high pressure 22 inch steel barrel, with integral front sight base checked pistol grip stock and fore-stock; pistol grip capped; varnished one piece walnut stock; corrugated trigger; corrugated steel shot gun butt plate; white metal front and flat top sporting rear sights. Weight 6 lbs.

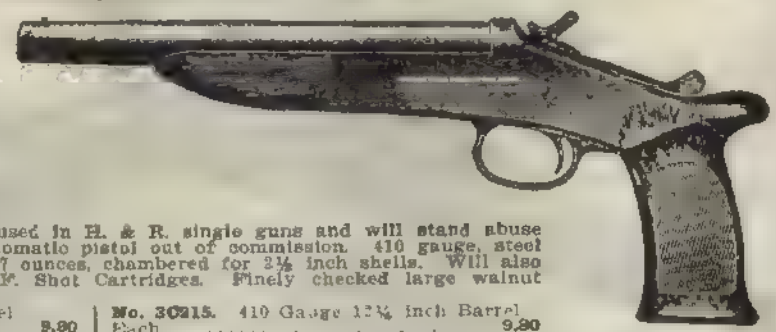
	Each
No. S250-3000BA—250-3000 caliber; shoots Nos. S250-3000MP and S250-3000 SP cartridges	✚$132 75

Ten in wood case; wt per case about 100 lbs.

✚F. O. B. New York Factory Only.

RIFLES AND SHOT GUNS

PRICES QUOTED INCLUDE WAR TAX

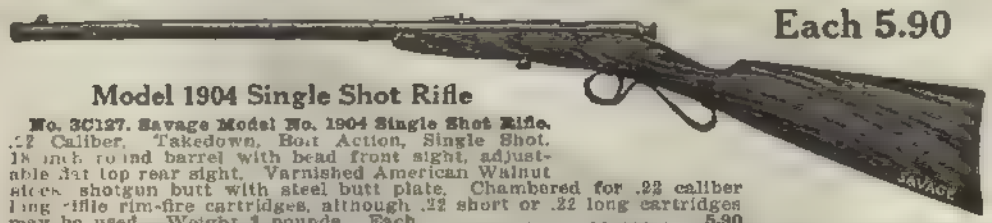


[illegible] is just what the name implies. The "sawed-off" shot gun has long been recognized as an extremely effective weapon at short range. The action and working parts are the same as used in H. & R. single guns and will stand abuse that would put a revolver or automatic pistol out of commission. 410 gauge, steel barrel, 8 and 12¼ inch; weight 37 ounces, chambered for 2½ inch shells. Will also take without change 44 W. C. F. Shot Cartridges. Finely checked large walnut stock affording an [illegible] grip.

No. 3C214. 410 Gauge 8 in Barrel. Each **9.90**

No. 3C215. 410 Gauge 12¼ inch Barrel. Each **9.90**

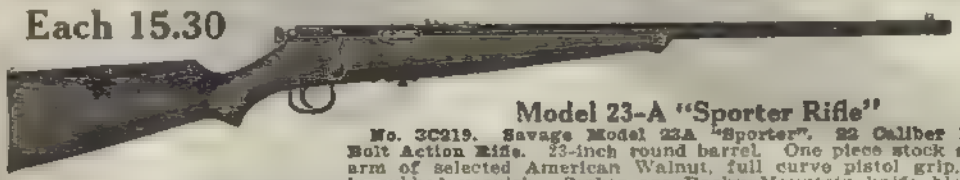
SAVAGE RIFLES AND SHOT GUNS



Each 5.90

Model 1904 Single Shot Rifle

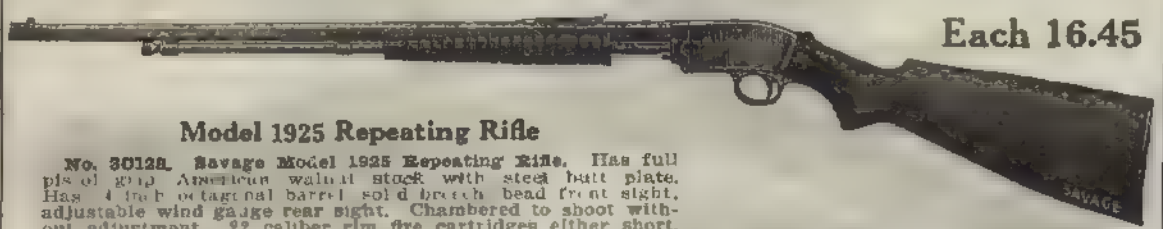
No. 3C127. Savage Model No. 1904 Single Shot Rifle. .22 Caliber, Takedown, Bolt Action, Single Shot. 18 inch round barrel with bead front sight, adjustable flat top rear sight. Varnished American Walnut stock, shotgun butt with steel butt plate. Chambered for .22 caliber long rifle rim-fire cartridges, although .22 short or .22 long cartridges may be used. Weight 3 pounds. Each **5.90**



Each 15.30

Model 23-A "Sporter Rifle"

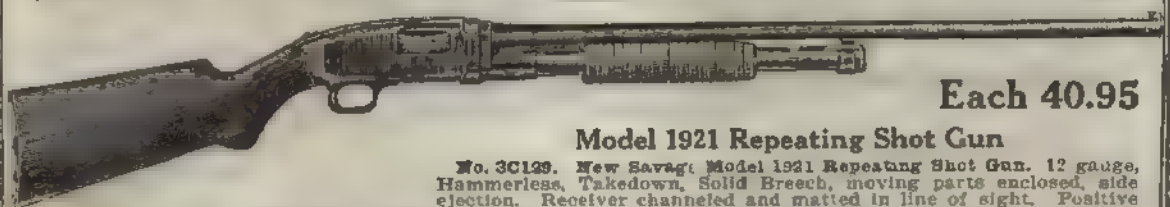
No. 3C219. Savage Model 23A "Sporter", 22 Caliber Repeating Bolt Action Rifle. 23-inch round barrel. One piece stock and forearm of selected American Walnut, full curve pistol grip, finished in rubbed varnish. Sights are Rocky Mountain knife blade front and flat top elevator adjustable rear of sturdy construction. Action obtains half cock on opening stroke, full cock on closing stroke. Both operations by camming movements reduce cocking effort to minimum. Camming action of bolt on opening stroke gives strong primary extraction. Five shot detachable box type magazine. Chambered for 22 long rifle cartrige. Weight 6 pounds.
Each ..... **15.30** | **No. 3C219A.** Extra Magazines..... **.40**



Each 16.45

Model 1925 Repeating Rifle

No. 3C128. Savage Model 1925 Repeating Rifle. Has full pistol grip American walnut stock with steel butt plate. Has 24 inch octagonal barrel, solid breech bead front sight, adjustable wind gauge rear sight. Chambered to shoot without adjustment. 22 caliber rim fire cartridges either short, long or long rifle. Hammerless, take down, magazine holds 20 short, 17 long or 15 long rifle cartridges. Entire length of rifle 27 inches. Weight about 5¾ pounds. Each **16.45**



Each 40.95

Model 1921 Repeating Shot Gun

No. 3C129. New Savage Model 1921 Repeating Shot Gun. 12 gauge, Hammerless, Takedown, Solid Breech, moving parts enclosed, side ejection. Receiver channeled and matted in line of sight. Positive top tang safety. Action bar latch in trigger guard. Stock full pistol grip, varnish finish, 14 inches long, 2¾ inches drop at heel, and 1⅝ inch drop at comb. Government specifications of rifle barrel steel used in barrels. Furnished with 30 inches full choke barrel. Six shot capacity with 2¾ inches shells, 7 shots with 2⅝ inches shells. Weight about 7½ pounds. Each **40.95**

Harrington & Richardson Shot Gun

Each 8.75

PRICES QUOTED ON THIS PAGE INCLUDE WAR TAX

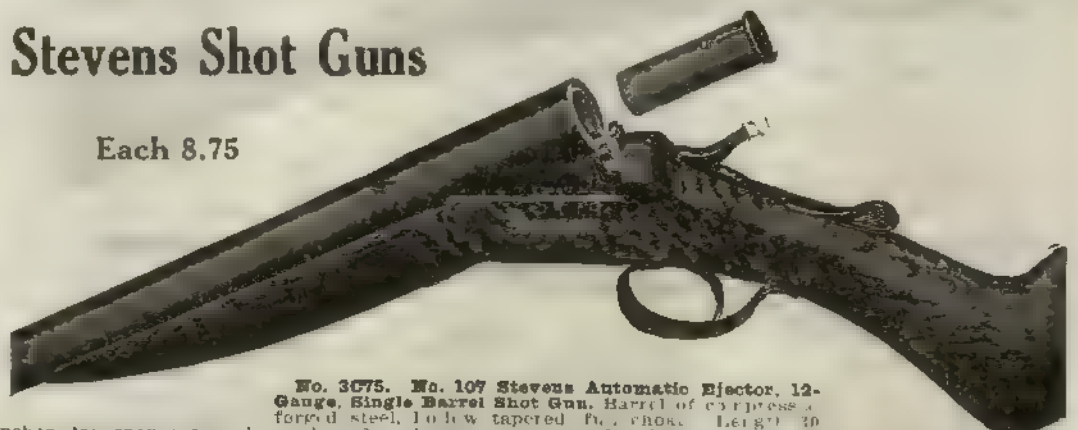
No. 3C113. Harrington & Richardson Arms Co., Model 1908 Single Shot Gun. 12 gauge, 30 inch steel barrel automatic ejecting, black walnut stock, hard rubber butt plate. Can be taken down in the same manner as double gun by pulling off the snap fore end and unhooking the barrel from the frame.

Each 8.75

No. 3C114. Harrington & Richardson, Model 1915, Single Shot Gun, 410 gauge, 26 in. barrel. Each 8.75

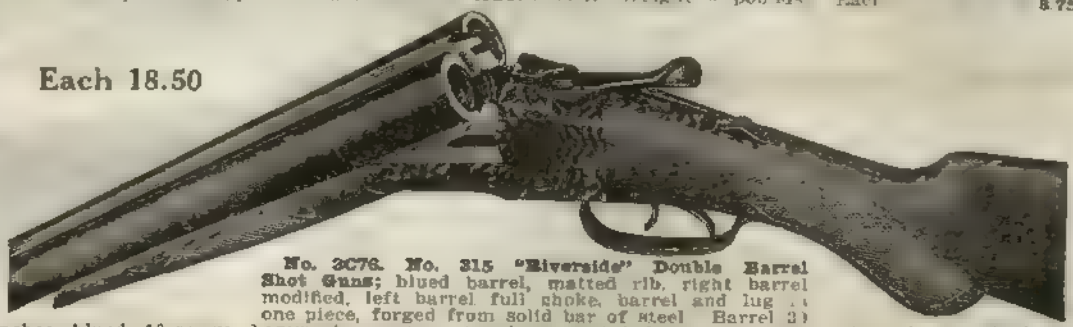
Stevens Shot Guns

Each 8.75



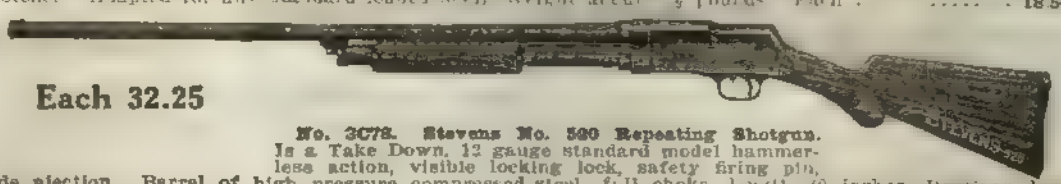
No. 3C75. No. 107 Stevens Automatic Ejector, 12-Gauge, Single Barrel Shot Gun. Barrel of compressed forged steel, full bore tapered full choke. Length 30 inches, top snap action, low rebounding hammer, case hardened frame, plain walnut pistol grip, stock rubber butt plate. Adapted for any standard loaded shell. Weight 6 pounds. Each 8.75

Each 18.50



No. 3C76. No. 315 "Riverside" Double Barrel Shot Guns; blued barrel, matted rib, right barrel modified, left barrel full choke, barrel and lug in one piece, forged from solid bar of steel. Barrel 30 inches, blued, 12-gauge, hammerless action, top lever and bolt in one piece. Case hardened frame, pistol grip checkered stock, rubber butt plate length, 14 inches, drop 3 inches, fore end with swing fastener. Adapted for any standard loaded shell. Weight about 7 pounds. Each 18.50

Each 32.25



No. 3C78. Stevens No. 520 Repeating Shotgun. Is a Take Down, 12 gauge standard model hammerless action, visible locking lock, safety firing pin, side ejection. Barrel of high pressure compressed steel, full choke, length 30 inches. Receiver drop forged, solid breach, plain walnut stock, pistol grip, rubber butt plate, length 13½ inches. Adapted for any standard loaded shell up to 2¾ inches in length, six shots. Weight 7¾ lbs. Each 32.25

SCHLAICH CAP LOCKS

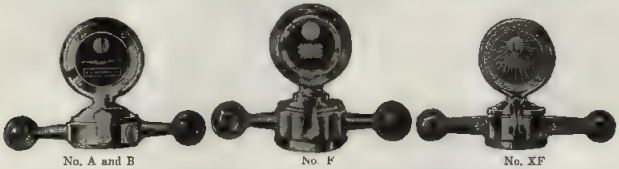
FOR MOTO-METERS

Designed to fit snugly on the radiator filler neck, keeping the moto-meter at correct elevation for best temperature indication. With the patented set screw on the insert provides a positive lock for every type of moto meter

Made of the best materials, highly polished nickel finish. Guaranteed rust-proof.

Initial discs or emblems can be placed in arm ends under thick glass bulls-eye, directions for installing furnished.

Emblems or Initials furnished free by returning Card enclosed with Each Cap to Factory.



No. A and B — No. F — No. XF

For Cars With Narrow Radiators

	Each
No. A—3 in. outside diameter, without insert	$4 75

For Cars With Large Radiator Necks

	Each
No. B—3¾ in. outside diameter, without inserts	$4 75
Extra Inserts Only—For Nos. A and B	1 25

For Chevrolets, Fords, Jewetts, Oldsmobiles, Overlands, Stars, etc.

	Each
No. F—Small type cap designed for both Midget, Standard and Universal moto-meters, without insert	$3 50
No. XF Same as No. F, but with vitrified blue enamel and silver insert plates, without insert	5.50
Extra Inserts Only—For No. F caps	.50

SPECIFICATIONS FOR CAR MODELS

The letters A, B, F, and XF refer to the four models of caps manufactured:—

"A" Cap. Outside diameter 3 in., Especially designed for cars with narrow radiators, will not strike engine hood when raised.

"B" Cap. Outside diameter 3¾ in For cars with large radiator necks.

"F" Cap. Used as regular equipment on Aristocrat Boyce moto-meter.

"XF" same as F cap, except with vitrified blue and silver plates on side of arms.

The numerals 1 to 33 specify the insert to fit the various radiator filler necks.

Example: Dodge A2, F2. The Dodge requires a No. 2 insert and either an A or F cap. All "A" inserts are interchangeable in "A" caps, "B" inserts in "B" caps and "F" inserts in "F" caps, but are not otherwise interchangeable.

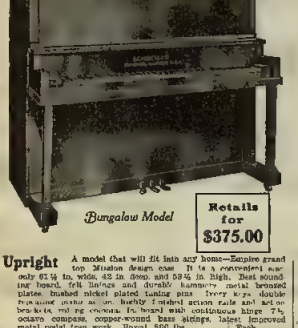
ALPHABETICAL LIST OF CAR SPECIFICATIONS

Anderson (1922-3) A7
Anderson (1924-1925) . B4, F4
Apperson (1917 and earlier) B4, F4
Apperson (1918-1925) B16
Auburn (1923 and earlier) A1
Auburn (1924-25) B8
Bay State A1
Briscoe A12
Buick (1917 and earlier) B13
Buick 4 (1918-24) A1
Buick "Master" Six B31
Buick "Standard" Six A1
Buick 6 (1918-23) A1
Buick 6 (1924) B31
Cadillac B3
Case (1913-16) B4, F4
Case (1916-17) B20
Case (1918 and later) A9
Chalmers (1922-5) B3
Chalmers (1921 and earlier) B4, F4
Chandler (early 1922 and earlier) B5, F5
Chandler (late 1922) . A2, F2
Chandler (1923 1925) B5, F5
Chevrolet Superior F11
Chevrolet (early models) .A10
Chevrolet F B. (1922) A3A, F3A
Chrysler A18, F18
Cleveland A2, F2
Cole (1916 and earlier) A2, F2
Cole (1917-1925) B5, F5
Dodge A2, F2
Dorris B27
Dort B1
Dupont (1924-5) A1
Durant (4 cyl.) A1
Durant (6 cyl.) B3
Earl A12
Elcar (1923-1925) B8
Elcar (1922) A7
Elgin 6 ..... B5, F5
Elgin Capable B8
Essex (1918-1923) A3A, F3A
Essex (1924-5) F11
Ford ..... F
Haynes B4, F4
H. C. S. (1923 and earlier) B4, F4
H. C. S. (1924-25) B3
Hudson (1923 and earlier) A3A, F3A
Hudson (1924-5) B3H
Hupmobile (1917 and earlier) B6
Hupmobile (1918-1925) A12
Interstate B4, F4
Jackson B3
Jeffry B5, F5
Jewett F5
Jordan (1918 21) B4, F4
Jordan (1922-25) A25
Kissel (early models) A7
Kissel (custom built) B16
Lafayette B3
Lexington T & U B3
Lexington (1921-1923) B4, F4
Lexington (1924) B28
Lexington (1925) B3
Liberty (10-A, B, C) B27
Liberty (other models) . B4, F4
Lincoln B3
Locomobile B19
Marmon (1919 and earlier) A1
Marmon (1920) B6
Marmon (1921-25) B8
Maxwell A18, F18
Mercer B3
Mitchell B4, F4
Moon B4, F4
Moline-Knight B3
Monroe (1921-1925) B4, F4
Nash A1
National (1917 and earlier) B4, F4
National (1918 25) B16
Oakland (1916) B26
Oakland (1917-1925) . A1
Oldsmobile 8 (1922 and earlier) F4
Oldsmobile 8 (1923-1925) A3A, F3A
Oldsmobile 4 & 6 (1918-1923) A3A, F3A
Oldsmobile 6 (1924-25) F11
Overland (1922-1925) A18, F18
Paige B5, F5
Pan A18, F18
Pan American (1919 and earlier) A9
Pan American (1920-1921) B5, F5
Pathfinder B4, F4
Peerless (1922 and earlier) B3
Peerless (1923-25) A18, F18
Pierce Arrow (1917-1925) B4, F4
Pierce Arrow (early models) B5, F5
Premier (1912-16) B20
Premier (1917-25) B17
R. & V. Knight B3
Reo A10
Regal B3
Rickenbacker A18, F18
Rolls Royce A18, F18
Saxon Duplex A1
Saxon 6 ..... B4, F4
Scripps Booth (1918 and earlier) B5, F5
Scripps Booth (1919-1922) B4, F4
Standard 8 (1920 and earlier) B4, F4
Standard 8 (1921 and later) B5, F5
Stanley (1922 and earlier) B6
Stanley (1923-25) A1
Star (1923) F11A
Star (1924-25) F11
Stearns (4 cyl.) (1921) A1
Stearns-Knight (4 cyl.) (1918-1919) B5, F5
Stearns-Knight (1920-1921) B6
Stearns-Knight (6 cyl.) B4, F4
Stevens Duryea (early models) B5, F5
Stevens Duryea (1922 1925) B21
Stephens B4, F4
Studebaker A2, F2
Stutz (old model) B4 F4
Stutz (1918-1925) B14
Wills St. Claire B3
Willys Knight (early models) B26
Willy Knight (1923 1925) A18, F18
Winton 6 ..... B4, F4
Yellow Cab B3

We stock the caps separate and the inserts separate believing this the simplest way for the dealer to handle his stock. The F cap for Ford does not require an insert, all other cars require an insert.

"SCHOFIELD" PIANOS

Built by one of the oldest and best known manufacturers. Only the finest materials are used to produce "Schofield" pianos—instruments of exquisite beauty and fine finish with unexcelled tone quality. Every art of the craft and years of experience are combined in the making of these wonderful instruments. Yet we are able to secure and sell them at prices which are remarkable—you can readily see your liberal margin of profit. Remember, you can sell a lot of pianos carrying only two or three instruments in stock—we make prompt shipments.



Bungalow Model

Retails for $375.00

The Ideal Pianos

Beauty of tone, handsome design and refined appearance at such attractive prices make these superb instruments appeal to even the most critical buyer. "Schofields" are as nearly perfect as it is possible to build pianos. Each instrument embodies a surprising volume of beautifully modulated tones from carefully drawn scales. The case work is of only the best stock, carefully built up layer by layer, cross-grained, and cannot warp or pull apart. Double veneered and cross-banded inside and out. The veneers are perfectly matched and are furnished in either satin or polished finish.

Modern Design

Retails for $750.00

Upright A model that will fit into any home—Empire grand top. Mission design case. It is a convenient size, only 61¼ in. wide, 25 in. deep and 53¼ in. high. Best sound ing board, felt linings and durable hammers; metal bronzed plates, finished nickel plated tuning pins, ivory keys, double repeating piano action, highly finished action rails and action brackets, roll top continuous hinge 7½ octave compass, copper-wound bass strings, latest improved metal pedal trap work. Boxed, 800 lbs.

Each

1F4881—Satin finish mahogany.....
1F4882—Satin finish golden oak.....
1F4883—Satin finish walnut.....

$195.00

Polished finish sent on request.

Small Grand An attractive grand that is just the thing for use in the small homes and apartments—it is only 58 in. long and 56 in. wide, a master instrument with charming tone, beautiful tones and artistically designed. Genuine ivory keys, bushed nickel plated tuning pins, double repeating piano action, copper wound bass strings, latest improved metal pedal trap work, 7⅓ octaves. Boxed, 850 lbs.

Each

1F4890—Satin finish brown mahogany.....
1F4891—Dull rubbed mahogany.....

$475.00

Polished finish sent on request.

Bungalow Model

Retails for $550.00

Player A child can play this beautiful "Schofield" Player Piano. It plays as by that pumping with a single foot is sufficient to play an entire piece correctly and correctly. The automatic tracker makes the music roll track correctly and the tempoing device enables you to play any music in five different keys. The "Schofield" Player Piano interchangeable music rolls and is beautiful to behold, only 61½ in. wide, 27½ in. deep and 53½ in. high.

Uniform Tempo

The "Schofield" has a motor governor that keeps the tempo under absolute control, whether playing softly or with emphasis the "Schofield" motor runs with uniform speed

Drum Tight Action

Half the enjoyment of a piano is the ability to vary the music to suit one's individuality. The drum-tight Schofield action makes it possible. It is so responsive that the shades and degree of expression may be effected through the pedals with

Mechanically Perfect

The "Schofield" is mechanically perfect throughout, best sounding board and wire tone and treble repressed device, rolling colonial fallboard with continuous hinge 88 note compass. Boxed, 900 lbs.

Each

1F4886—Satin finish figured mahogany...
1F4887—Satin finish figured walnut

$295.00

Polished finish sent on request.

Bench Combination dust size, double veneered inside and out, seat 20x14½ in., 21 in. high. With music compartments under seat and with combination attachment for use of player piano. 1 in crate. 40 lbs.

Each

1F4893—Satin finish mahogany top...
1F4894—Satin finish golden oak top...
1F4895—Satin finish walnut top...

$10.50

Polished finish sent on request.

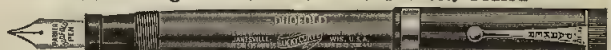
PARKER PENS and PENCILS

PARKER LUCKY CURVE SAFETY-SEALED FOUNTAIN PENS

One of the most widely advertised and extensively used lines of fountain pens and automatic pencils. For many years the name "Parker" has stood for quality and now their new improvements have put them far ahead of all others in up-to-dateness.

1 The press-button filler, sepoed inside the barrel and out of harm's way
2 Simple filling action — press the button, release and count 10.
3 Rome sleeve in cap forms tight seal so the pen cannot leak
4 Gold band reinforcement on "Duofold" pen caps.

Self-Filling — "DUOFOLD" PENS—Safety Sealed



Actua. size cut of 'Duofold'

J5627—Full size "Duofold," 5¾ in. long, red Chinese lacquer effect barrel, black ends, gold filled pocket clip — 1 in box, Each $5.25
J5629—Full size "Duofold," 5¾ in. long, black barrel throughout, gold filled pocket clip — Lots of 4 or more, Each 4.67

"Duofold Jr," About ¾ actual size

J5625—"Duofold Jr." 4½ in. long, red Chinese lacquer effect barrel, black ends, gold filled pocket clip — 1 in box, Each $3.75
J5656—"Duofold Jr." 4½ in. long, black barrel throughout, gold filled pocket clip — Lots of 4 or more, Each 3.34

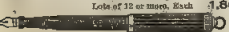
"Lady Duofold" About ¾ actual size

J5628—"Lady Duofold," 4¼ in. long, red Chinese lacquer effect barrel, black ends, ring attachment — 1 in box, Each $3.75
J5661—"Lady Duofold," 4¼ in. long, black barrel throughout, ring attachment — Lots of 4 or more, Each 3.34

"D.Q." STUDENTS' PENS

Screw cap with white gold filled band, 14k gold pen, hard iridium point, black chased barrel.

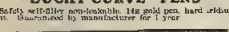
J5662—3½ in. long, with pocket clip.
J5663—4½ in. long, with pocket clip.
1 in box, Each $2.25
Lots of 4 or more, Each 2.00
Lots of 12 or more, Each 1.80



J5684—4¼ in. long, ring attachment.
1 in box, Each $2.25
Lots of 4 or more, Each 2.00
Lots of 12 or more Each 1.80

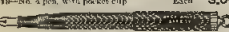
"LUCKY CURVE" PENS

Safety self-filler non-leakable. 14k gold pen, hard iridium point. Guaranteed by manufacturer for 1 year



J5681—No. 2 pen, polished gray vermo holder, N. P. ends, gold filled ring attachment — Each $3.00

J5017 No 2 pen with pocket clip — Each $1.90
J5019—No. 4 pen, with pocket clip — Each 3.00



J5024—No. 2 pen, gold filled ring attachment Each $2.10

"DUOFOLD" NON-CLOG PENCILS

Propels, repels and expels the lead, carries 12 leads, refilled without taking apart, eraser instantly accessible.

Actual size cut of 'Duofold' Pencil

Lasrent ng Ring End Style

RED Chinese lacquer effect holder, gold filled ends.
J5108—4¼ in. long with pocket clip.
J5109—4½ in. long, with ring top.
1 in box, Each $2.63
Lots of 4 or more, Each 2.33
Lots of 12 or more, Each 2.10

BLACK holders gold filled ends.
J5110—4½ in. long, with pocket clip.
J5111—4½ in. long, with ring top.
1 in box, Each $2.63
Lots of 4 or more, Each 2.33
Lots of 12 or more, Each 2.10

PLAIN and FANCY PENCILS

Nickel Plated, Plain—
J5106—4½ in. long with pocket clip
J5107—4½ in. long, with ring attachment.
1 in box, Each $0.75
Lots of 4 or more Each .67
Lots of 12 or more, Each .60

Triple Nickel Plated, Chased—
J5102 3½ in. long, with pocket clip
J5103—4¼ in. long with ring attachment.
1 in box, Each $1.13
Lots of 4 or more, Each 1.00
Lots of 12 or more, Each .90

Sterling Silver Plain
J5104—3½ in. long with pocket clip.
J5105 4½ in. long, with ring attachment.
1 in box, Each $1.88
Lots of 4 or more, Each 1.67
Lots of 12 or more, Each 1.50

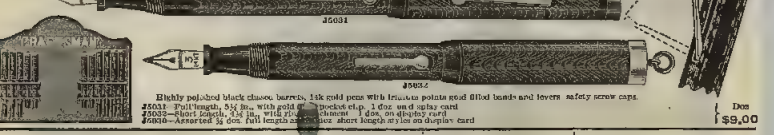
Gold Filled, Plain.
J5106—4½ in. long, pocket clip
J5107—4½ in. long, with ring attachment.
1 in box, Each $2.25
Lots of 4 or more Each 2.00
Lots of 12 or more Each 1.80

LEAD REFILLS
J5112—12 leads in wood tube, 3 doz. tubes in cardboard box Doz tubes 60c
Lots of 2 doz. tubes, Doz tubes 72c

QUANTITY PRICES ON PARKER PENS & PENCILS APPLY ON ONE STYLE OR ASSORTED STYLES

LEVER-FILLING FOUNTAIN PENS—Gold Band Mounted

On Display Cards

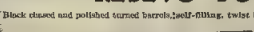


Richly polished black chased barrels, 14k gold pens with iridium points and filled bands and levers safety screw caps.
J5031 Full length, 5¾ in., with gold mounted pocket clip. 1 doz. and display card
J5032—Short length, 4¾ in., with ring attachment 1 doz. on display card
J5016—Assorted ¾ doz. full length and ¼ doz. short length styles on display card

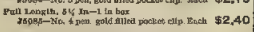
Doz $9,00

"RESEVO" FOUNTAIN PENS

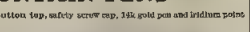
Black chased and polished turned barrels, self-filling, twist button top, safety screw cap, 14k gold pen and iridium point



Full Length, 5¾ In—1 in box.
J5083—No. 2 pen, nickel pocket clip.....Each $1,50
Full Length, 5¾ In—1 in box.
J5084—No. 3 pen, gold filled pocket clip Each $2,10
Full Length, 5¾ In—1 in box
J5085—No. 4 pen, gold filled pocket clip Each $2,40



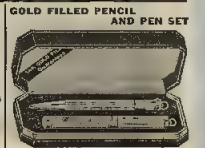
Vest Pocket Size, 4¼ In—1 in box.
J5086—No. 2 pen, nickel pocket clip Each $1.50
J5087—No. 3 pen, gold filled pocket clip Each 2,10



Short Length With Ring Attachment, 4¾ In—1 in box
J5088—No. 3 pen, gold filled ring attachment Each $1.50

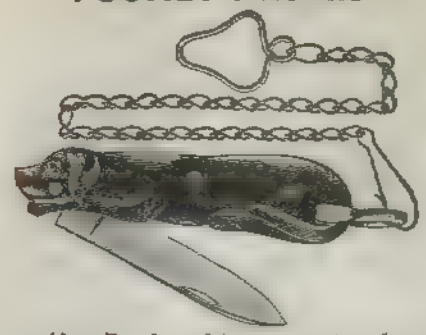
Full Length, Gold Filled Mounting, 5¾ In—1 in box.
J5090—No 2 pen, gold filled band and pocket clip Each $2.10
J5091 No. 3 pen, gold filled band and pocket clip Each 2.70

GOLD FILLED PENCIL AND PEN SET



J5054 Pen 5¾ in. long with ring attachment, fancy chased gold filled holder, screw cap, ring attachment, silver self filling 14k gold pen iridium point, 4 in. gold filled propelling and repelling pencil to match. Each set in plush lined box . . SET (2 pcs) $2.95

POCKET KNIVES



Heavy metal handle, shaped to represent a dog. Equipped with chain for fastening to belt.

	Per Doz
No. 406C -Length blade 2 ins; length chain 15 ins	$3 60

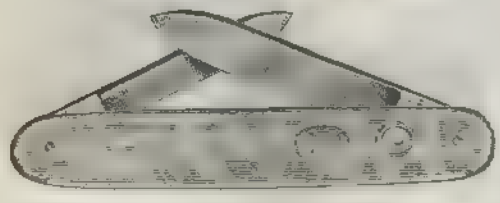
One doz in cardboard box

Heavy metal handle. Equipped with ring for chain.

	Per Doz
No. 720½—Length blade 2¼ ins	$2 55

One doz in cardboard box.

SCHRADE
SAFETY PUSH BUTTON KNIVES



Push button; spear point blades; shadow pattern; 3⅜ ins long.

	Per Doz
No. 7406 Pearl handle	$96 00
No. 740-SSD Sterling silver engraved handle	75 00
No. 7404-O—Opal pyralin	37 50
No. 7404-H—Horn handle	37 50
No. 7404-GP—Pyralin handle	37 50

Push button; brass lining; spear point blades; nickel silver tips; 3⅜ ins long.

	Per Doz
No. 7404ST —Gold shelled handle	$42 00

Above knives packed half doz in attractive cardboard box.

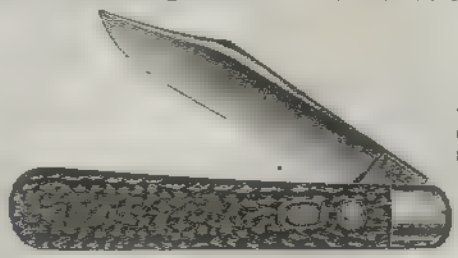
POCKET KNIVES
SCHRADE
SAFETY PUSH BUTTON KNIVES

Push button; brass lining; one spear point and one clip point blade; nickel silver bolster; 3 11/16 ins long.

	Per Doz
No. 7504¾-S Gold shelled handle	$40 50

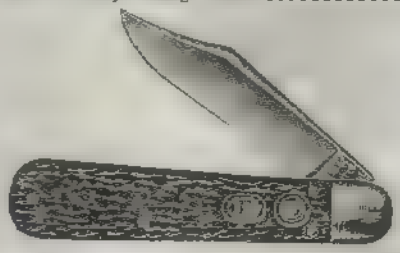
Push button; spear point blades; iron lining; nickel silver bolster; 3 11/16 ins long.

	Per Doz
No. 7503T Stag handle	$46 50



Push button with locking device; clip blade; steel lining; steel bolster; glazed finish; 4 ins long.

	Per Doz
No. 1543T Stag handle	$42 00



Push button with locking device; steel lining; steel bolster; glazed finish; 4¼ ins long.

	Per Doz
No. 1553¾—Stag handle with clip blade	$37 50
No. 1553—Stag handle with spear blade	37 50

All of above knives packed half doz in attractive cardboard box.

KNIFE PURSES

Dressed kid, with stitched edge and button clasp.

Nos.	0F	1F	2F	3F	3½F	4F	5F
Length, ins	2⅞	3 1/8	3⅝	3⅞	4	3½	4¼
Width, ins	7/8	⅞	1	1 1/16	1 1/16	1 3/16	1 1/16
Per Doz	$2 10	2 10	2 10	2 10	2 10	2 10	2 10

Packed loose, wrapped.

POCKET KNIVES
—PINE KNOT—

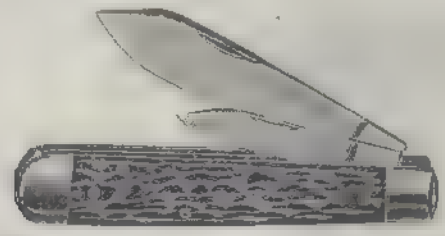
(Illustration No. 205-SS)

Brass lining; polished steel cap and bolster; highly glazed; 3⅜ inches long.

	Per Doz
No. 205-SS—Stag handle	$12 75
No. 205-CS—Stag handle with clip blade	12 75
No. 205-FS—Stag handle, with sheep foot blade	12 75

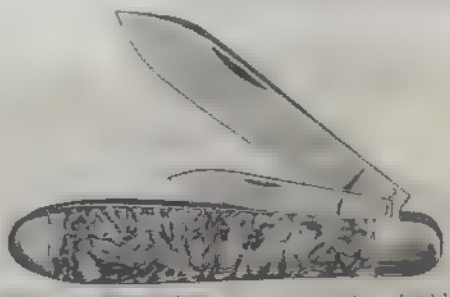
Brass lining; nickel silver bolster and cap; highly glazed; 4¼ inches long.

	Per Doz
No. 50S—Stag handle	$19 50
No. 50CP Red and white striped pearly pyralin handles	19 50



Brass lining; polished steel cap and bolster, highly glazed; 3¼ inches long.

	Per Doz
No. 38SS—Stag handle	$12 75
No. 38CS—Stag handle with clip blade	12 75



Brass lining; polished steel cap and bolster, highly glazed; 3⅛ inches long.

	Per Doz
No. 39SS—Stag handle	$12 75
No. 39CS—Stag handle with clip blade	12 75

All of above knives packed half doz in attractive cardboard box.

POCKET KNIVES
—PINE KNOT—

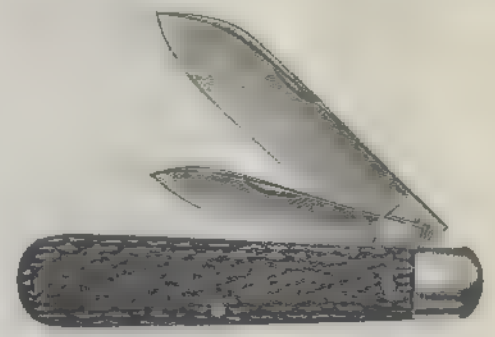
Brass lining; polished steel bolsters, highly glazed; 3⅛ inches long.

	Per Doz
No. 41S—Stag handle	$12 75

Brass lining; nickel silver bolster and cap; highly glazed; 3½ inches long.

	Per Doz
No. 42S—Stag handle	$12 75
No. 42CP Red and white striped pyralin handle	12 75

All of above knives packed half doz in attractive cardboard box.



Brass lining; polished steel bolster, highly glazed; black inside; 3 inches long.

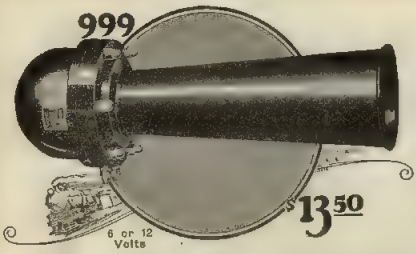
	Per Doz
No. 43S—Stag handle	$6 75

One doz in an attractive cardboard box.

Steel lining; polished steel bolster; highly glazed, black inside; 3 inches long.

	Per Doz
No. 44B Bone handle	$6 75

One doz in an attractive cardboard box.



—another Member

of the satisfactory Schwarze Sound Signal family—Model 999. This new type of signal has less weight and requires less adjustment than most other horns. Its melodious and distinctive tone is audible for surprisingly long distances and may be likened to the sharp warning signal of a train. Complete with bracket for either right or left-hand installation. Finished in all black enamel with nickel plated trimming.

The warning signal that you have wanted at a price that you can afford—maintaining the Schwarze policy of dominating moderate priced horn sales. Back of the new 999 is the same Schwarze value that has always spoken for itself. This model is going to rapidly coin profits for those jobbers and dealers who display and sell it.

Quick Action
Now Means Quick Profits

SCHWARZE ELECTRIC CO., Adrian, Mich.

"WHITNEY"

SILENT HIGH MILEAGE CHAINS

WORN OUT TIMING CHAINS

must be replaced.
When the job is done with a

"WHITNEY" HIGH MILEAGE SILENT CHAIN

it is done for the *Life of the Car.*

Our distributors in principal cities carry chains in stock for all cars.

THE WHITNEY MFG. CO.

Hartford Conn.

The Lamps that make

REAL MONEY FOR YOU

K-D AUTO LAMPS

These lamps "go to bat" for you when you want to please customers and make substantial profits. Every lamp in the comprehensive line—every type for every car is included—is designed to make friends of customers and profits from every sale.

Model No. 600

DRIVING LAMP

Accepted in all states. Drum style adjustable shell construction. Rubber body suitable gauge lens. Brass reflector. Lens polished and plated. Special bracket for any car. Made in two sizes of rods. Lens. Wired complete all ready after Lens. Finished Standard Baked black enamel with nickel trimmings.

Write for samples and prices

THE K-D LAMP CO.
CINCINNATI, O.

Model No. 24

THE NEWEST SQUARE TYPE

SIDE LAMPS

For closed cars. Hollow bracket enclosing wires. Plate fastens to frame. Heavy gauge metal body, inside lining highly polished and plated. Baked black enamel, nickel trimmings.

K-D AUTO LAMPS

Litter Perfect Compression Pistons

The Celebrated LITTER Alloyed Pistons have established the greatest records known to automotive engineering for endurance, efficiency and economy. Service data, catalogues and price list mailed upon request. Some valuable distributors' territory open.

The Litter Piston Manufacturing Company

744-46 Virginia Street, West Charleston, W. Va.

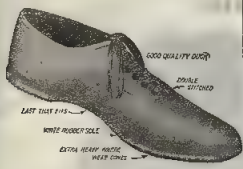
ATHLETIC FOOTWEAR

Made by "Servus Rubber Company"

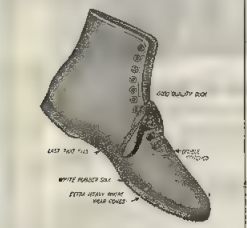
No factory short of the best could put out shoes like these at prices like these

"TOMAHAWK" OXFORDS AND BALS

"Tomahawk" durable canvas upper lined, tough wearing rubber bottoms. Assid sizes 1 pair with laces in carton. Assid. 24 pairs in case.



PLAIN WHITE OXFORDS—	Assid Sizes	Pair
1K9634 YOUTHS	11 to 2	55c
1K9636—CHILDREN'S	6 " 10½	Temp. Cut
1K9635—WOMEN'S	3 " 7	62c
1K9633—BOYS'	2½ " 6	
1K9631 MEN'S	6½ " 10	68c



PLAIN WHITE BALS—	Assid Sizes	Pair
1K9649—CHILDREN'S	6 to 10½	60c
1K9648—MISSES'	11 " 2	65c
1K9648—YOUTHS'	11 " 2	65c
1K9647—WOMEN'S	3½ " 8	72c
1K9644—MEN'S	6½ " 10	78c

"HI-VALUE"

Strong canvas uppers, genuine "Parite" trim heavy red gum rubber bottoms that outwear the uppers, sockless solid, large toe cap cemented. Kendex insoles, a feature not found in other lines at these prices. Assid sizes. 1 pair with laces in carton. Assid. 24 pairs in case.

LACED-TO-TOE

White Uppers, Brown Trim—

1K9726—MEN'S, sizes 6½ to 10	assid Pair	88c
1K9721 MEN'S, sizes 7 to 10	assid Pair	88c
1K9723 — BOYS', sizes 2½ to 6	assid Pair	Temp Cut
1K9724—YOUTHS', sizes 11 to 2	assid Pair	75c

"SCOOTER" CREPE SOLE SHOE

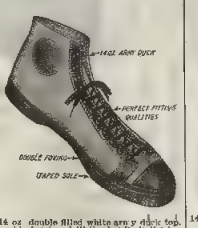
Leather Uppers

Brown muleskin top, Kendex insole, pure gum crepe rubber bottoms, heavy toe cap, featherweight, will outwear a leather shoe. A splendid child's play shoe. Assid. sizes. Each pair in carton with laces. Assid. 24 pairs in case.

1K9285—CHILDREN'S, assid sizes 6 to 10½ Pair **90c**

"HARDWEAR" TRIMMED BAL

Molded Sole



14 oz. double filled white army duck top, black trim, drill lined, "Parite" trim, extra heavy laminated suction sole, double foxing, a substantial all-around sport shoe. Assid. sizes. Each pair in carton with laces. Assid. 24 pairs in case.

1K9725—BOYS', assid. sizes 2 to 6	Pair	$1.60
1K9726—MEN'S, assid sizes 6½ to 10	Pair	T.Q.

"RALPH JONES" PROFESSIONAL BASKET BALL SHOE

14 oz. double filled white army duck uppers, brown trim, loose cloth lining, padded cording leather trim, heavy moulded suction bottoms, double foxing, leather toe cap, designed by an expert wonderful all-around sport shoe. Assid. sizes. Each pair in carton with laces. Assid. 24 pairs in case.

1K9756—BOYS', assid. sizes 2 to 6	Pair	$2,25
1K9755—MEN'S, assid. sizes 6½ to 10	Pair	2,40

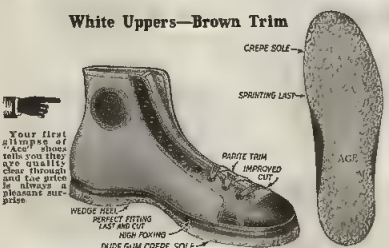
"BELLE" CROSS STRAP PUMPS

Brand new novelty outc.asss in every way . . the old ankle strap pump, worth much more but not priced higher, brown canvas upper, ivory white rubber bottom, "Kendex" insole. Assid. sizes. 1 pair in carton. Assid. 24 pairs in case.

1K9758—CHILDREN'S, assid sizes 6 to 10½	Pair	58c
1K9781 MISSES', assid. sizes 11 to 2	Pair	63c
1K9780—WOMEN'S, assid sizes 3 to 7	Pair	70c

"ACE" CREPE SOLE TRIMMED SHOES

White Uppers—Brown Trim



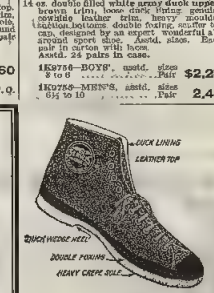
Your first glimpse of "Ace" shoes tells you they are quality clear through and toe prices be always a pleasant surprise

"ACE" pure gum latex crepe bottoms, genuine "Kendex" insoles, "Parite" trim, double height foxing, strong white canvas uppers, brown trim. Assid. sizes 1 pair with laces, in carton. Assid. 24 pairs in case.

				Pair	$ To
1K9744—LITTLE GENTS', assid. sizes 6	to	10½			.95
1K9743—YOUTHS',	"	11	to 2	"	1.05
1K9742—BOYS',	"	2½	to 6	"	1.20
1K9746—MEN'S,	"	6½	to 10	"	1.20
1K9741—	"	7	to 8	"	

"ALL WEATHER" CREPE SOLE SHOES

Leather Upper



Brown muleskin upper, duck lined, heavy pure gum crepe soles, double brown foxing and toe cap, equally good for sport and work. Assid sizes. Each pair in carton with laces. Assid. 24 pairs in case.

1K9749 BOYS', assid sizes 2 to 6	Pair	$2.00
1K9738—MEN'S, assid. sizes 6½ to 10	Pair	2,25

TRIMMED SPORT BALS—Made by "Hood" Rubber Company

Suction sole, heavy duck uppers, lined, Kendex insole, dual foxing, large toe cap, extra heavy compacted soles with suction caps. Assid sizes. Each pair in box. Assid. 24 pairs in case.

White Upper, Brown Trim—

1K43 BOYS', assid sizes 2½ to 6	Pair	Out
1K45—YOUTHS', assid sizes 11 to 2	Pair	Out
1K66—LITTLE GENTS' assid. sizes 8 to 10½ only	Pair	70c

Brown Upper, White Trim—

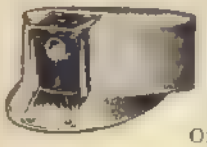
1K44—BOYS', assid. sizes 2½ to 6	Pair	Out
1K46 - YOUTHS', assid. sizes 11 to 2	Pair	Out

MINERS CAPS

BLACK DIAMOND

No. 97—Heavy white duck; flannel lined, glazed or cloth covered visor; lamp holder made of tin and fibre, assorted sizes, 6¾ to 7½; weight per dozen about 3 pounds .....Per Dozen $4.00

One dozen in a carton



No. L100—Medium weight white duck; leather visor; lamp carrier made of tin or fibre; asorted sizes 6¾ to 7½; weight per dozen about 3 pounds.....Per Dozen $6.50

One dozen in a carton.

MINERS CARBIDE LAMPS

SHANKLIN GUY DROPPER

Polished Brass

Corrugated bottom, round hook and brace. Has a 2½ inch polished reflector intended for miners working in wet places or where the roof is low. This reflector is deep enough to protect the burner tip from water. Self-lighter attached to reflector. With patented water dropper with valve cleaner; should dropper become clogged a few turns of the valve cleaner will open it

No. 288L—Polished brass; weight per dozen about 6 pounds .....Per Dozen $18.00

One in a box, one dozen in a carton.

VICTOR

Polygon Feed

Detachable reflector and brace; 2⅝ inch saucer shaped reflector; made of brass; height 3¾ inches; diameter bottom 2 inches; capacity 2 ounces carbide; burning capacity 2½ hours; candle power 16.7; net weight 5 ounces. Sharp corners of button on valve feed break away caked carbide, insuring steady, free water flow; will not clog, requires no agitation

Per Dozen

No. 661—Polished brass; weight per dozen 6 lbs...$18.00
No. 663—Nickel plated; weight per dozen 6 lbs... 20 00

One dozen in a carton.

AUTOLITE

Polished Brass

Patented water dropper, will not clog, gives a steady even flow of water at all times and never needs cleaning. Produces a steady, even flame that does not flicker. Seamless brass, height 3¾ inches; net weight about 5 ounces; has a burning capacity of from 3 to 4 hours and gives a 20 candle power light. Each lamp tested and guaranteed free from imperfections.

No. 106—Polished brass; weight per dozen about 6 pounds .....Per Dozen $18.00

One dozen in a carton.

ACETYLENE LANTERNS

JUSTRITE

Automatic Generator Controls the Gas

Gives a 20 candle power light. Burns 3 to 4 hours with 3 ounces of carbide. Flame is controlled by the valve and can be turned high or low or extinguished as desired. Made of brass throughout, nickel plated and highly polished

Self-lighter attachment; glass globe; bull's eye lens; removable reflector.

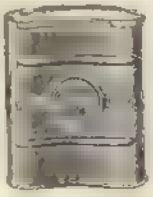
No matches required. Superior to any portable light in cleanliness, safety and candle power. For hunters, sportsmen, campers, mine superintendents, inspectors, mining engineers, watchmen timekeepers and for the automobile.

No. 12—Height 9 inches; diameter at bottom 4 inches; weight each about 1½ pounds.....Each $6 00

One in a case

MINERS LAMP ACCESSORIES

JUSTRITE POCKET CARBIDE CANS



Made of light steel, tin coated; ribbed, double seamed and sliding cover; air-tight; concaved to fit the boot or hip pocket. Holds full day's supply. Lithographed in three colors; strong and durable. The most convenient and safest carbide supply can on the market. Will not rust.

No. 77—Capacity 10 ounces carbide ...Per Dozen $3.50

One dozen in a box

JUSTRITE CARBIDE FLASKS

No. 2

Made of heavy tin double seamed, strong, durable; oval shape; large opening; empties freely.

No. 23—With screw cap, size 6¾x2x3 inches. ...Per Dozen $3 00

No. 24—With hinged top, size 6¾x2x3 inches.... ..Per Dozen $3 00

One dozen in a box.

No. 24

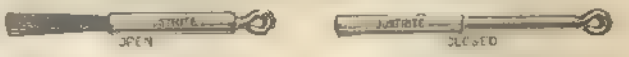
JUSTRITE MATCH BOXES

Waterproof

No. 75—Round seamless brass, nickel plated; size 2⅛x¾ inches.....Per Dozen $1.00

One dozen in a box

JUSTRITE WIRE TIP CLEANERS



No. 87 Fifty hard rust-proof steel wires; sliding cover which protects wires when not in use..... Per Dozen $1 20

One dozen in a box.

JUSTRITE TIP CLEANERS

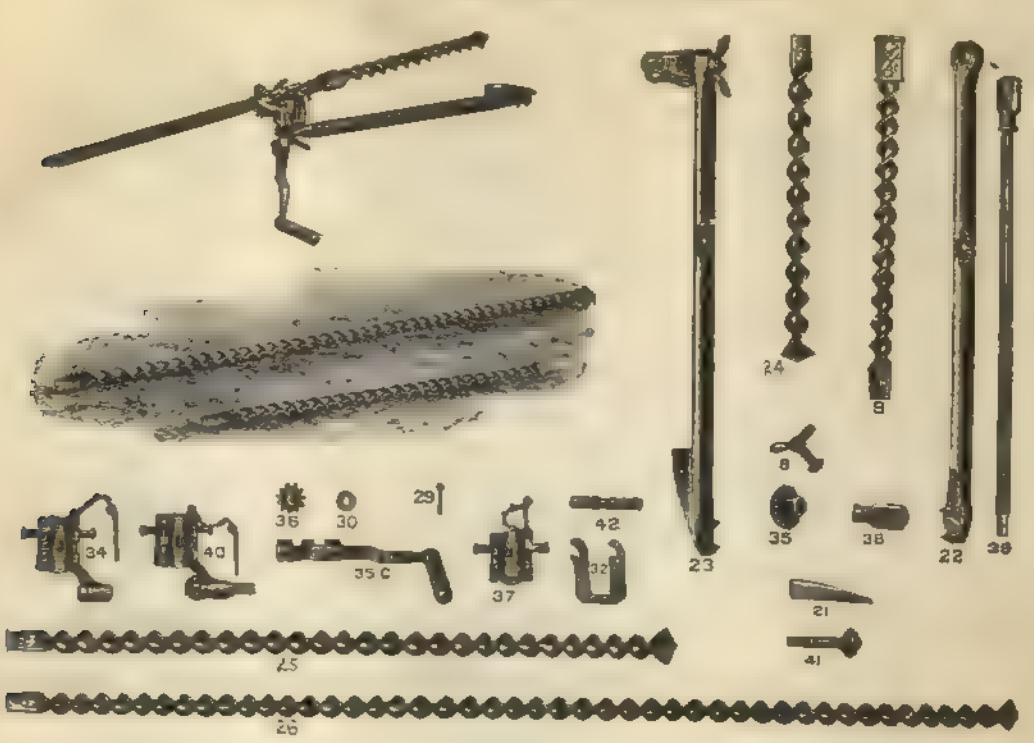
No. 145—Reamers; 1 dozen in metal tube..... ....Per Dozen Tubes $0 60

No. 150—Empty reamer cases ....Per Dozen $0 75

One dozen in a box.

COAL MINERS DRILLS

★FULTON "QY" SIDE GEAR GRIP MACHINE



Drills Complete

"QY"—Side gear grip machine, complete, average weight for shipment 60 pounds.....Each $36.00

Extra Parts

(Order by name and number).

		Each
No. 9	—Auger extension, 2 feet long	8
No. 24	—Short auger, 2 feet long	
No. 25	—Medium auger, 4 feet long	
No. 26	—Long auger, 6 feet long.	
No. 21	—Steel wedge for grip	
No. 22	—Grip bar only	
No. 23	—Grip bar complete.	
No. 29	—Spring key for crank	
No. 30	—Steel washer for crank shaft	
No. 32	—Chair for grip.	
No. 34	—Thread box	
No. 35	—Large gear wheel	
No. 36	—Small gear wheel	
No. 37	—End gear thread box	
No. 37-C	—Auger Socket	
No. 39	—Thread bar	
No. 40	—Boxing complete with No. 42 shaft and No. 36 small pinion	
No. 41	—Thread box shaft with No. 36 pinion complete.	
No. 42	—Thread box shaft.	
No. 135-C	—Crank	

Note—Thread bars and boxings furnished with 8, 10, 12 and 14 V thread; also new 6 square threads.

Augers can be furnished in 1½, 1⅝, 1¾ or 2 inch diameter feather edge.

Unless otherwise specified 1¾ inch feather edge will be furnished

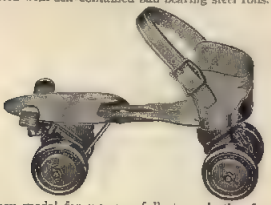
Average weight for shipment complete 60 pounds.

★Not carried in stock; for factory shipment only

ROLLER SKATES

UNION

Made from the best cold rolled Swedish steel; trucks are oscillating, with best rubber cushions, and turn in a 3-foot circle; fitted with self-contained ball bearing steel rolls.



Extension model for women; full strap, leather heel, clamp toe; nickel plated, full grained leather strap; self-contained steel rolls.

Per Pair

No. **6**—Extends from 7½ to 10 Inches; Weight per Pair, 5 Lbs. **$3.00**

Extension model for men; half strap heel, large foot plates, clamp toe; nickel plated finish, grained leather strap.

Per Pair

No. **5**—Extends from 8¼ to 10¾ Inches; Weight per Pair, 5 Lbs. **$2.80**

Half strap heel, clamp toe; fitted with plain steel rolls, bright finish.

Per Pair

No. **10**—Extends from 7½ to 10 Inches; Weight per Pair, 4 Lbs. **$2.00**

All Above, One Pair in a Box

ROLLER SKATE KEYS

Combination steel key, for clamp and extension nut on skates.

Per Dozen

No. **1**—Bright finish; Weight per Dozen, 7 Ozs. **$0.75**

ROLLER SKATES

UNION

Extension model; fitted with web strap, back and clamp toe; steel rolls.

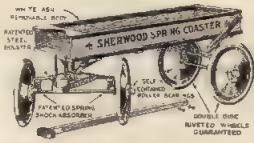
High-grade stamped steel tops, strong and durable; high steel backs which make them suitable for either boys or girls, easy adjustment.

Per Pair

No. **3**—Extends from 7¼ to 9½ Inches; Weight per Pair, 2¾ Lbs. **$1.50**

No. **2**—Same as No. **3** but with web strap in place of toe clamp **1.25**

COASTER WAGONS



SHERWOOD

Double disc steel wheels; roller bearings; rubber tires; nickel plated hub caps. Steel bolster construction. Spring shock-absorbers. Selected white ash body, sides and ends removable. Red enameled wheels, black enameled bolster; High lustre varnished body; red trim.

Nos.	Size Body, Inches	Size Wheels, Inches	Size Tire, Inches	Weight Each, Lbs.	Each
C28	12x28	8	⅝	26	**$8.65**
C32	14x32	8	⅝	31	**9.55**
C34	14x34	10	¾	35	**10.40**
C38	16x38	10	¾	38	**11.55**
C40	18x40	10	¾	43	**12.95**

Knocked Down, One in a Carton

CHUMMY ROADSTER

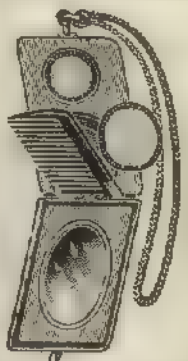
A real quality coaster wagon made to meet the medium price demand. Strong enough to withstand the rough usage boys' wagons get. Body of seasoned hardwood; undergear built entirely of steel, a very simple and very strong construction; strong and light 10-inch auto disk wheels; self contained roller type bearings, nickeled hub caps; genuine solid rubber tires, 1 inch diameter; sides and ends in rich ivory with brown trim and wheels; bolster in black enamel.

Nos.	Size Body, Inches	Size Wheels, Inches	Size Tire, Inches	Weight Each, Lbs.	Each
134	14x34	10	1	34	**$7.50**
136	16x36	10	1	36	**8.00**

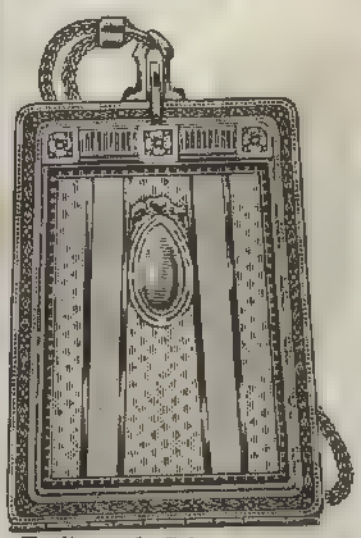
Silver and Green Gold Vanity Cases

Vanity Case, heavily silver plated dutch silver design, contains a cake of powder and rouge also lipstick and mirror
No. 85J152 Each 1.50

Compact Powder and Rouge Box, heavily silver plated, contains a cake of powder and rouge also mirror, fancy hammered design with braid chain and tassel.
No. 85J153 Each . 1.50



Vanity Case, silver finish illustration showing inside with mirror, comb, powder and rouge, engine turned effect, with fine chain attached.
No. 85J134. Each 1.85



Vanity and Coin Case, green gold finish striped design contains spring coin holder for dimes and nickels, mirror and powder puff receptacle.
No. 85J50. Each . . 1.90

Vanity-and Coin Case, green gold finish striped designs. Contains spring coin holder for dimes and nickels, mirror and powder puff receptacle
No. 85J51. Each .. . 1.90

Compact Case, heavily silver plated, engine turned design with a chased border, contains a case of powder and rouge also mirror with a chain and ring which can be carried on a finger.
No. 85J154. Each 2.00

Dorine Case, silver finish, fine striped engine turned effect, inside with mirror, rouge and powder compact.
No. 85J135. Each 2.25

Compact Box of silver finish, engine turned striped design, shield center inside with mirror, rouge and powder compact and lipstick, fine cable chain with tassel
No. 85J138. Each 2.35

Compact Box, heavily silver plated, striped design with black enamel figure in center, contains a cake of powder and rouge, also mirror; has a black tassel, also a black ribbon cord.
No. 85J155. Each 2.75

Imported Beaded Bags

Newest Creations in Draw String Beaded Styles

Child's Beaded Bag, draw string, pouch effect, long bugle beads in blue, red steel and other various colors, 5½" long, silk satin lined.

No. 85J160, Doz. 4.25

French Imported Bag in various colors, fancy beaded fringe, tortoise shell frame with beaded handle. Length 8", width 5½"

No. 85J120. Each..... 3.50

Beaded Bag, draw strings pouch effect, long bugle beads with 3 extra rows of fancy beaded fringe

No. 85J125. Each 1.00

Beaded Bag, Draw String Pouch Effect, Long Bugle Beads, silk satin lined imported bag. A very attractive low priced premium number, length 8 in.

No. 85J77. Each ... .75

Beaded Bag, draw strings pouch effect, long bugle beads with extra rows of fancy beaded fringe.

No. 85J126. Each 1.35

Imported Beaded Bag, draw string pouch effect, assorted styles and color combinations with cord handle very durable. Length 7½", width 6", with mirror.

No. 85J148. Each 2.25

Imported Beaded Bag, pouch effect draw string. Assorted color combinations with strap beaded handle. Length 7¾ in., width 7 in., with mirror.

No. 85J79. Each..... 2.75

Imported Beaded Bag, pouch effect draw string, length 7 in., width 6½ in. dark brown with very light colors, flower effect Satin lined with mirror on the inside cord handle, and a tassel of beads on the end

No. 85J148. Each..... 3.50

The Flying Act That Is Different

THE FLYING FLOYDS

40 Feet in The Air On Their Own Steel Uprights

DOUBLE, TRIPLE AND TWISTING SOMERSAULTS

Intrepid and Awe-Inspiring Feats That Set a New Standard in Sensationalism

Theaters cannot play this attraction as the special apparatus is entirely too big. This is true of many other acts in this catalog. They are practical for open-air presentation only.

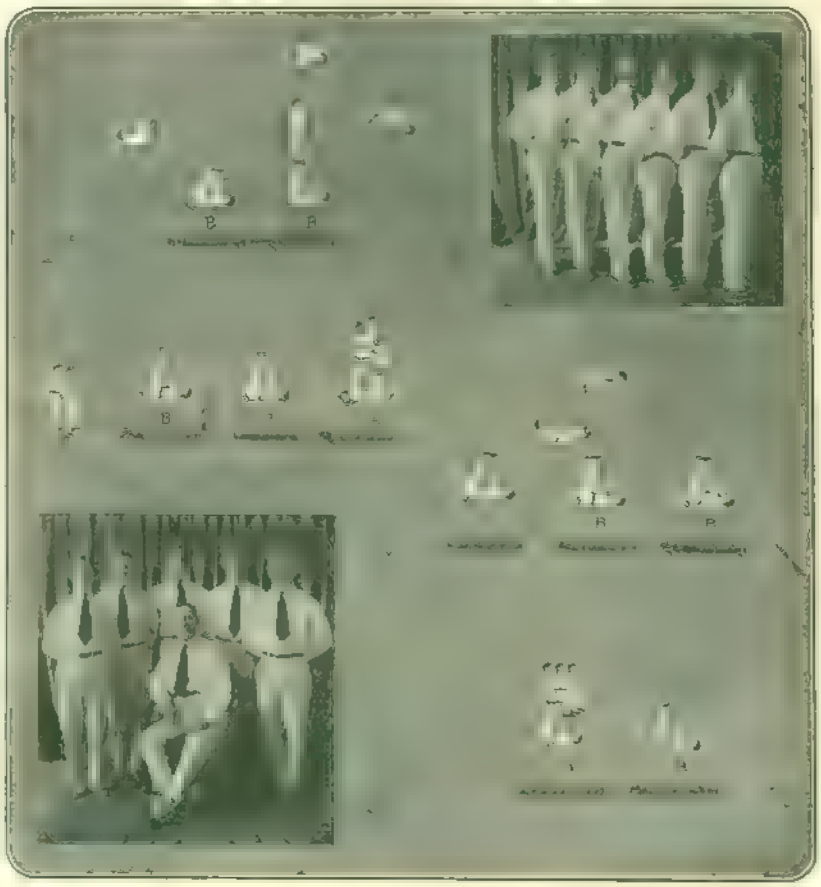
Featuring the Only Lady in the Entire Profession Catching Doubles

The Summit of Human Endeavor and Daring

An Act with Drawing Power

Six Belfords

AMERICA'S FEATURE RISLEY ACROBATS



As Foot Jugglers of Human Beings, the Belfords are the Champs

THROWING SOMERSAULTS FROM FEET TO FEET WITH ONE, TWO AND THREE PERSONS SIMULTANEOUSLY

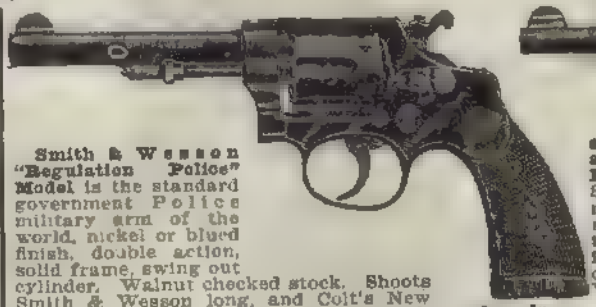
WATCH for the THREE MEN SOMERSAULT

EVERY ACT IN THIS CATALOG CONTROLLED EXCLUSIVELY BY **WORLD AMUSEMENT SERVICE ASSOCIATION, Inc.**

"SERVICE and SATISFACTION"

Smith & Wesson Revolvers

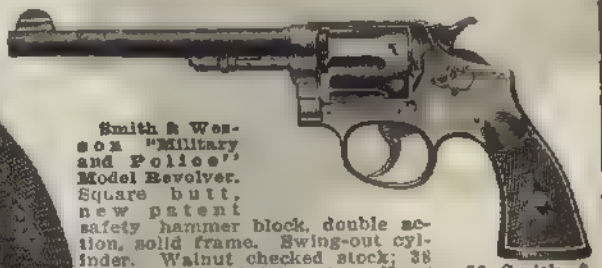
2% Discount for Cash on Smith & Wesson Revolvers Only



Smith & Wesson "Regulation Police" Model is the standard government Police military arm of the world, nickel or blued finish, double action, solid frame, swing out cylinder. Walnut checked stock. Shoots Smith & Wesson long, and Colt's New Police cartridges. A fire-arm that needs no description as it is well known all over the world.

No. 3C58. 32 caliber, 6 shot, 4¼ inch barrel, weight 18 ounces. Each..... 24.40

No. 3C59. 38 caliber, 6 shot, 4 inch barrel, weight 17¾ ounces. Each..... 24.40



Smith & Wesson "Military and Police" Model Revolver. Square butt, new patent safety hammer block, double action, solid frame. Swing-out cylinder. Walnut checked stock; 38 caliber, blued finish only. Shoots .38 Smith & Wesson Special Cartridges.

No. 3C164. 38 Cal. 6 Shot, 4 inch barrel. Weight 32¼ ounces. Each..... 26.00

No. 3C165. 38 Cal. 6 Shot, 5 inch barrel. Weight 30 ounces. Each..... 26.00

No. 3C166. 38 Cal. 6 Shot, 6 inch barrel. Weight 31 ounces. Each..... 26.00

Iver Johnson Revolvers

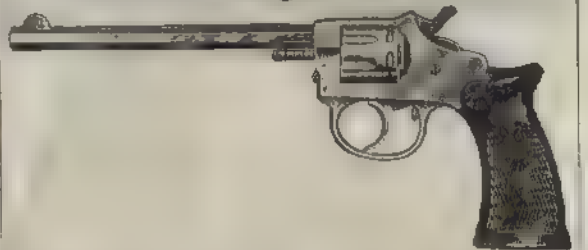
Iver Johnson, Safety Hammer Automatic, Self-Ejecting Revolver is especially well known for its quick firing capacity and fitted with a special patent safety invisible lifter makes it absolutely safe. Finished in best mechanical style, with fancy design rubber stock handle. Numbers listed below can be had either in nickel or blued finish. In ordering, kindly specify finish desired

		Each
No. 3C13.	32 caliber, 5 shot, 3 inch barrel	7.85
No. 3C16.	38 caliber, 5 shot, 3¼ inch barrel	7.85

Iver Johnson, Safety Hammerless, Automatic, Self-Ejecting Revolvers, safest fire arm in the or account of a patent safety lifter which makes it impossible of discharging by accident. Most popular revolver for pocket use. Because the hammer is concealed it cannot catch in pocket, can only be fired by pulling of trigger. Fancy rubber handles. Can be had either in nickel or blued finish. In ordering, kindly specify finish desired

		Each
No. 3C18.	32 caliber, 5 shot, 3 inch barrel	8.60
No. 3C23.	38 caliber, 5 shot, 3¼ inch barrel	

H. & R. Target Revolvers



Harrington & Richardson "Trapper Model" Target Revolver. 7 shot, 22 caliber, shoots .22 long rifle, .22 long or 22 short cartridges. 6 inch octagon barrel, checked **walnut target grip** handles. Weight 12¾ ounces. May be had in nickel or blued finish. In ordering, kindly specify finish desired.

No. 3C120. Each..... 5.35

I. J. Target Revolvers

I. J. Target Revolver. This model specially designed for Trappers, Hunters, Campers and Target practice. 22 caliber, 7 shots, shoots 22 short, 22 long and long-rifle **rim fire** cartridges. 6 inch octagon barrel, **blued finish,** hand-checkered walnut grips.

No. 3C201B. Each..... 5.50

Revolvers and Automatic Pistols

No. 3C116. The Brownie Pistol is a .22 cal pocket arm, 4 shot. It is automatically safe, with no external safety devices to forget and positively cannot be fired except by a full stroke of the trigger. One full stroke is necessary for each shot. The four bores in the 2½ inch barrel are rifled, and chambered to receive standard .22 cal. short, long, and long rifle ammunition. The finish is blue, with black walnut stocks. Total length, 4½ in. Weight 10 ounces

Each 2.65

Each in 12 piece lots..... 2.50

38-Cal. "Western" Ranger

Western Ranger Belt Revolver. Blued steel case hardened frame, 38-caliber, six-shot, 5½-inch barrel double action, sliding shell ejector, fluted cylinder Fitted with fancy rubber or white bone handles Weighs 34 ounces. Shoots 38 S. & W. Special or 38 Long Colt's C. F. Cartridges

No. 3C211. With rubber handle in blued finish Each 10.50

No. 3C212. With white bone handle, blued finish Each 10.75

38-Cal. "Cow Boy" Ranger

An Excellent 6-Shot Belt Revolver

"Cowboy" Ranger Belt Revolver. With patented safety lock. Blued steel case hardened frame, 38-caliber, six-shot, 5½-inch barrel, double action, sliding shell ejector, fluted cylinder Fitted with fancy rubber or white bone handles. Weighs 33 ounces Shoots 38 S. & W Special or 38 Long Colt's C. F. Cartridges

No. 3C38. With rubber handle in blued finish Each 11.00

No. 3C42. With white bone handle, blued finish. Each 11.50

Walther 9-Shot Automatic

Walther 9 Shot Automatic Pistol. Takes Colt's Automatic Cartridges. Magazine holds 8 cartridges with one in chamber, making a total capacity of 9 shots. Blued finish with ornamental hard rubber handles.

No. 3C37. 25 Caliber. Weight 13 ounces.

Each 6.75

Ortgies Automatic Pistol

Ortgies Automatic Pistol. Strictly high grade, self loading automatic pistol. Takes Colt's smokeless cartridges. Blued steel finish, walnut handles safety lock

No. 3C115. 25 Cal. 8 Shots, weight 14 ounces

Each 7.00

No. 3C115A. Extra Magazine, for 25 Cal. Ortgies Pistol. Each..... .85

Savage Automatic Pistol

Savage Automatic Pistol. Self-loading action, 22 caliber, rimless, smokeless, 3½ in. barrel total length, 6½ inches. Magazine holds 10 cartridges with one cartridge in barrel making a total capacity of 11 shots. Weight, 19 ounces.

No. 3C28. Each 14.95

Savage Automatic Pistol. Self-loading action, 380 caliber, rimless, smokeless 4½-inch barrel; total length 7 inches. Magazine holds 9 cartridges with one cartridge in barrel making a total capacity of 10 shots. Weight 2½ ounces.

No. 3C29. Each 14.95

REVOLVERS

SMITH & WESSON

MILITARY AND POLICE, MODEL 1902

38 Caliber, Center Fire, Double Action, 6 Shots.

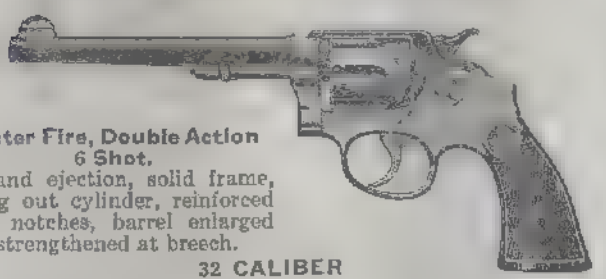
Hand ejection, solid frame, swing out cylinder.

Chambered for 38 S. & W. Special.

Using in the same arm both the 38 S. & W. special and the U. S. Service cartridge (listed as 38 long Colt).

Barrel ins	Stock	Wt ozs	Nickel Plated. Nos.	Each	Blued. Nos.	Each
4	Wood	28¾	684	$84 45	0684	$84 45
5	"	29½	685	84 45	0685	84 45
6	"	30½	686	84 45	0686	84 45
4	Pearl	28¾	684P	94 95	0684P	94 95
5	"	29½	685P	94 95	0685P	94 95
6	"	30½	686P	94 95	0686P	94 95

MILITARY AND POLICE, MODEL 1905



Center Fire, Double Action 6 Shot.

Hand ejection, solid frame, swing out cylinder, reinforced stop notches, barrel enlarged and strengthened at breech.

32 CALIBER

Chambered for 32-20 Winchester rifle cartridge.

Barrel ins	Stock	Wt ozs	Nickel Plated Nos.	Each	Blued. Nos.	Each
4	Walnut	30½	624SH	$85 80	0624SH	$85 80
5	"	31¼	625SH	85 80	0625SH	85 80
6	"	32¼	626SH	85 80	0626SH	85 80
4	Pearl	30½	624SHP	99 75	0624SHP	99 75
5	"	31¼	625SHP	99 75	0625SHP	99 75
6	"	32¼	626SHP	99 75	0626SHP	99 75

38 CALIBER

Chambered for 38 S. & W. Special cartridges.

Barrel ins	Stock	Wt ozs	Nickel Plated. Nos.	Each	Blued. Nos.	Each
4	Walnut	29¼	684SH	$85 80	0684SH	$85 80
5	"	30	685SH	85 80	0685SH	85 80
6	"	31	686SH	85 80	0686SH	85 80
4	Pearl	29¼	684SHP	99 75	0684SHP	99 75
5	"	30	685SHP	99 75	0685SHP	99 75
6	"	31	686SHP	99 75	0686SHP	99 75

All above revolvers one in cardboard box.

REVOLVERS

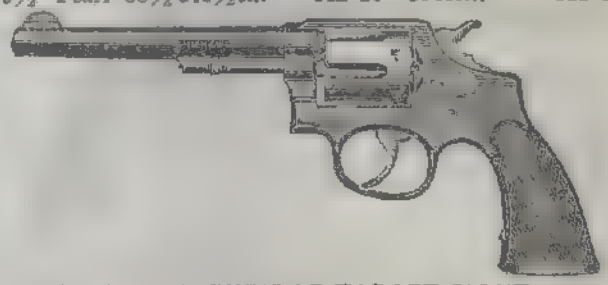
SMITH & WESSON

MILITARY, MODEL 1908

44 CALIBER

Chambered for 44 S. & W. Special cartridges.

Barrel ins	Stock	Wt ozs	Nickel Plated. Nos.	Each	Blued. Nos.	Each
5	Walnut	38			0645SH	$ 94 05
5	Pearl	38			0645SHP	112 30
6½	Walnut	38½	646½SH	$ 94 05	0646½SH	94 05
6½	Pearl	38½	646½SHP	112 50	0646SHP	112 50



WITH NEW PARTRIDGE TARGET SIGHT

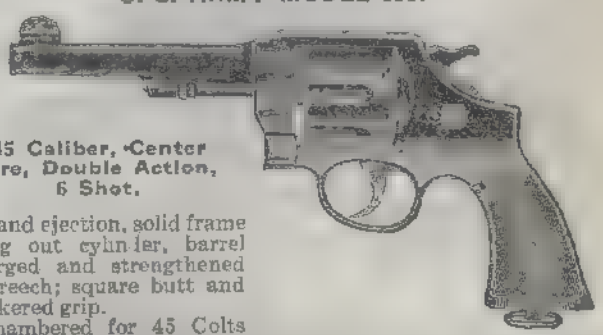
Center Fire, Double Action, 6 Shot, Blued. Each

No. 0626SHTS—32 caliber; 6 in. barrel; chambered for 32-20 Winchester rifle cartridges; wt 32 ¼ ozs.. $98 40

No. 0686SHTS—38 caliber; 6 in. barrel; chambered for 38 S. & W. special cartridges; wt 31 ozs 98 40

All above revolvers one in cardboard box.

U. S. ARMY MODEL 1917



45 Caliber, Center Fire, Double Action, 6 Shot.

Hand ejection, solid frame swing out cylinder, barrel enlarged and strengthened at breech; square butt and checkered grip.

Chambered for 45 Colts Automatic cartridges, and 45 Auto rim metal cased. Auto Pistol cartridges, in clips No. 45LC illustrated below.

Blued. Each

No. 0745½SH—5½ in. barrel; walnut stock; wt each 36 ozs $94 05

No. 0745½SHP—5½ in. barrel; pearl stock wt each 35 ozs..... 112 50

One in cardboard box.

LOADING CLIPS

SMITH & WESSON

For shooting 45 Colts Automatic Cartridges in Smith & Wesson, 45 caliber, Government Model (1917) Revolvers. No. 0745½SH illustrated above.

Per 100

No. 45LC—Wt per 100 about 1 lb..... $6 60

Packed loose.

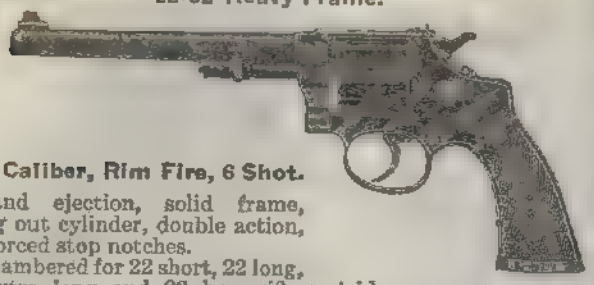
D 9

REVOLVERS

SMITH & WESSON

TARGET, MODEL 1911

22-32 Heavy Frame.



22 Caliber, Rim Fire, 6 Shot.

Hand ejection, solid frame, swing out cylinder, double action, reinforced stop notches.

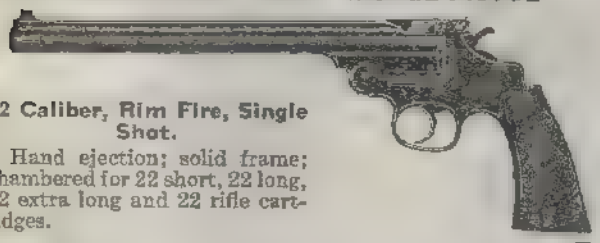
Chambered for 22 short, 22 long, 22 extra long and 22 long rifle cartridges.

Each

No. 05226T –Blued; length barrel 6 ins; Circassian walnut stock, square handle; wt each 23 ozs.....$87 00

One in cardboard box.

PERFECTED TARGET MODEL PISTOL



22 Caliber, Rim Fire, Single Shot.

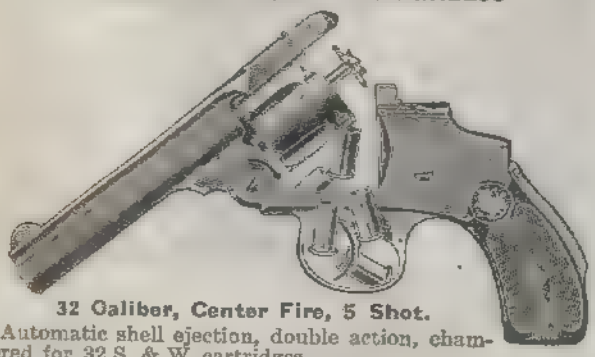
Hand ejection; solid frame; chambered for 22 short, 22 long, 22 extra long and 22 rifle cartridges.

Each

No. SWP0-22T—Blued; length of barrel 10 ins; walnut stock; wt each about 23 ozs..... $78 00

One in cardboard box

NEW DEPARTURE HAMMERLESS



32 Caliber, Center Fire, 5 Shot.

Automatic shell ejection, double action, chambered for 32 S. & W. cartridges.

Barrel, ins	Stock	Wt ozs	Nickel Plated. Nos.	Each	Blued. Nos.	Each
3	Rubber	14	223	$70 50	0223	$70 50
3	Pearl	14	223P	73 05	0223P	73 05
Target Stock, checkered wood						+4 50

One in cardboard box.

38 Caliber, Center Fire, 5 Shot.

Automatic shell ejector, double action; chambered for 38 S. & W. cartridges.

Barrel, ins	Stock	Wt ozs	Nickel Plated. Nos.	Each	Blued. Nos.	Each
3¼	Wood	17	283¼	$76 50	0283¼	$76 50
4	"	17½	284	76 50	0284	76 50
6	"	19	286	+76 50	0286	+76 50
3¼	Pearl	17	283¼P	82 80	0283¼P	82 80
4	"	17½	284P	82 80	0284P	82 80
6	"	19	286P	+82 80	0286P	+82 80

One in cardboard box.

+F. O. B. Massachusetts Factory Only.

REVOLVERS

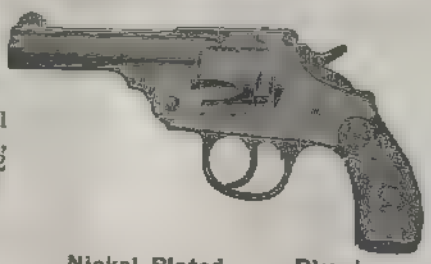
IVER-JOHNSON

The Safety Action—The top of the hammer of an Iver-Johnson revolver rests against the solid frame, so that no conceivable impact could force it against the firing pin.

A lifter, which is a long upright part, fits into the notch in front of the hammer; when the trigger is pulled, this lifter is at its highest point and covers the firing pin and at this relative position the hammer is released, striking the lifter and driving the firing pin into the cartridge. Then as the trigger snaps forward the lifter drops down, leaving a clear space between the hammer and firing pin.

The safety action does not add a single extra part nor does it impair the smoothness or speed of action. It demands no thought or intelligence from the user. There is no other conceivable way to discharge the cartridge except by simply pulling the trigger. You can throw the revolver against the wall, kick it about the room or "hammer the hammer" and the cartridge will not explode.

HAMMER



22 Caliber, Rim Fire, 7 Shot.

Automatic shell ejection, double action, chambered for 22 short cartridges.

Barrel, ins	Wt, ozs	Nickel Plated. Rubber Stock. Nos.	Each	Blued. Nos.	Each
3	18	3223	$26 40	03223	$26 40
4	18½	3224	27 15	03224	27 15
6	15	3226	+28 65	03226	+28 65
		Pearl Stock.			
3	18	3223P	33 00	03223P	33 00
4	18½	3224P	33 75	03224P	33 75
6	15	3226P	+35 25	03226P	+35 25

One in cardboard box.

32 Caliber, Center Fire, 5 Shot.

Automatic shell ejection, double action. Chambered for 32 S. & W. cartridges.

Barrel, ins	Wt, ozs	Nickel Plated. Rubber Stock. Nos.	Each	Blued. Nos.	Each
3	13½	323	$26 40	0323	$26 40
4	14	324	27 15	0324	27 15
5	14½	325	27 90	0325	27 90
6	15	326	+28 65	0326	+28 65
		Pearl Stock.			
3	13½	323P	33 00	0323P	33 00
4	14	324P	33 75	0324P	33 75
5	14½	325P	34 50	0325P	34 50
6	15	326P	+35 25	0326P	+35 25

One in cardboard box.

38 Caliber, Center Fire, 5 Shot.

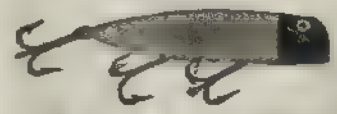
Automatic shell ejection, double action. Chambered for 38 S. & W. cartridges.

Barrel, ins	Wt, ozs	Nickel Plated. Rubber Stock. Nos.	Each	Blued. Nos.	Each
3¼	18	383¼	$26 40	0383¼	$26 40
4	18½	384	27 15	0384	27 15
5	19	385	28 65	0385	27 90
6	20	386	+27 90	0386	+28 65
		Pearl Stock.			
3¼	18	383¼P	33 00	0383¼P	33 00
4	18½	384P	33 75	0384P	33 75
5	19	385P	34 50	0385P	34 50
6	20	386P	+35 25	0386P	+35 25

One in cardboard box.

+F. O. B. Massachusetts Factory Only.

South Bend Baits and Bait Assortments



South Bend Bass-Oreno Bait, is a wabbly type used for casting or trolling, irresistible to game fish. In motion it dives, darts, and wiggles like an injured fish. Red head and white body. 3½ inches long, enamel finish. One dozen in box.

No. 18B61. Per doz..... 6.66

South Bend Babe-Oreno Bait, is a wabbly type used for casting or trolling. For anglers who use a light whippy constructed rod, and desire a light bait. Red head and white body. 2¾ inches long. One dozen in box.

No. 18B65. Per dozen..... 6.66

South Bend Bass-Oreno Assortment, contains 6 Bass-Oreno baits in assorted colors, red, green, red head and white body, frog, rainbow, etc. Each assortment in display box.

No. 18B69.

Per Assortment..... 3.33

South Bend Babe-Oreno Assortment. Contains six Babe-Oreno baits in assorted colors, red head with white body, white body with red and green decorations, yellow perch, mullet finish, rainbow, etc. Each assortment in display box.

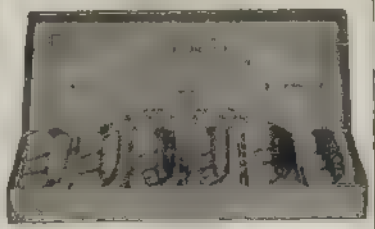
No. 18B72.

Per Assortment..... 3.33

South Bend Surf-Oreno Assortment. Contains six Surf-oreno baits in assorted colors. One each, red head with white body, rainbow, white body with red and green decorations, Yellow perch, etc. Each Assortment in display box.

No. 18B75.

Per Assortment 3.33



South Bend Pike-Oreno Bait Assortment. Contains six Pike-oreno baits in assorted colors, one each, red head with white body, white body with red and green decorations, frog, rainbow, yellow perch, etc. Each assortment in handsome display box.

No. 18B73.

Per Assortment..... 3.92

South Bend Midget Pike-Oreno Bait Assortment consists of six midget Pike-Oreno baits in assorted colors, one each of the following:

Red head with white body, yellow Perch (scale finish), rainbow colors, scale finish (green), solid red with black nose and red head (aluminum color body)

The midget Pike Oreno bait is similar in design to the Pike-Oreno, only smaller, a wonder for large and small mouth bass. Each assortment in display box.

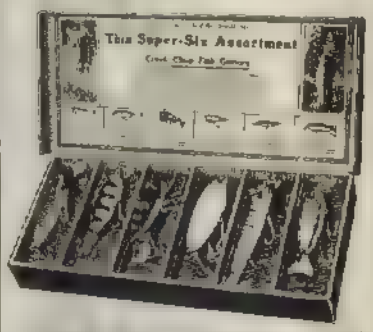
No. 18B104. Per assortment. 3.33

South Bend Musk-Oreno Assortment. Contains six Musk-oreno baits in assorted colors, one each, red head with white body, rainbow, frog, solid red with black nose, yellow perch, red head with aluminum color body, etc. Each assortment in handsome display box.

No. 18B74.

Per Assortment..... 4.90

THE CREEK CHUB SUPER-SIX BAIT ASSORTMENT



Creek Chub Super-Six Assortment, contains six of the best fish getters in partitioned box with instructions how to use and get the best results with the bait.

No. 18B125. Per Assortment. 3.60

THE HEDDON "BIG SIX" BAIT ASSORTMENT

For your convenience, Heddon's six first choice baits are offered complete in a partitioned cardboard box. This assortment contains one each of the very best of Heddon's fish lures each painted the proper color. An angler with this selection is properly equipped to fish under any weather and water conditions. This assortment represents the cream of Heddon's 20 years of bait making.

No. 18R170. Per assortment 4.15

Fluted Bait, Bait Assortment and Spinners

Fluted Bait

Fluted Baits are made of spring brass and properly shaped, mounted with reversible hinge lug on tempered spring brass wire shaft with snap loop on each end. Best quality file point treble hooks, feathered liberally with assorted water fowl feathers. One dozen in box.

No.	Size	Lgt. In.	Per Doz.
18R16	3	1⅞	.95
18R17	4	1½	1.15
18R18	4½	1⅝	1.15
18R19	4¾	1¾	1.15
18R20	5	2⅛	1.55
18R21	6	2⅜	1.85

Skinner's Fluted Bait

Skinner's Nickel Plated Fluted Bait, brass box swivel, brass shank fitted so hoook can be easily detached. One dozen in box.

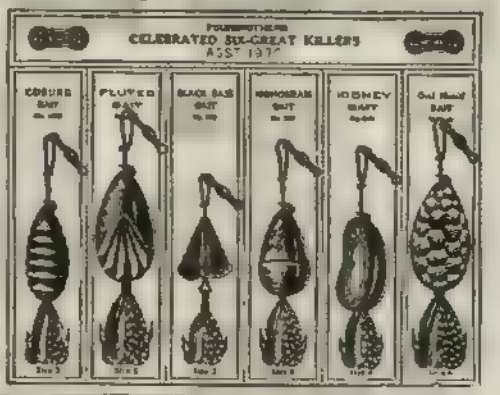
No.	Size	Length of Spoon, In.	Per Doz.
18R22	3	1⅞	2.00
18R23	4	1½	2.00
18R24	4½	1⅝	2.40
18R25	4¾	1¾	2.40
18R26	5	2⅛	3.20
18R27	6	2⅜	3.20
18R113	7	2⅞	4.00
18R114	8	2½	4.00
18R115	9	3	4.80

Delavan-Bait

Delavan Bait is one of the best killing lures for bass, pike or pickerel. The slot in the blade through which the shaft passes is reinforced with extra thickness of metal which overcomes the possibility of bending the lug. Bait is nickel plated and polished double and revolving swivel, two long Carlisle ringed hooks. Each in box. One dozen in carton.

No. 18R39. Size 3.
Per doz..... 2.00
No. 18R40. Size 4.
Per doz..... 2.00

Casting and Trolling Bait Assortment



Casting and Trolling Bait Assortment, consists of six best killers and popular selling baits with a small outlay of capital, assortment consists of one each; Coburg bait, Fluted bait, Black bass bait, Monogram bait, Kidney bait, plain and oval hammered bait. Six assorted baits sewed on a perforated card. One card in box.

No. 18R28.
Per assortment... 1.00

Luminous Tandem Spinner

Pflueger's No. 1998 Luminous Tandem Spinners, a twin blade spinner, radiant, reinforced nickeled blades, revolving in opposite directions, mounted on hollow point feathered treble hooks and brass box swivel. Blades are covered with a glow substance, making this bait unexcelled for night fishing. Each in box. ½ dozen in carton.

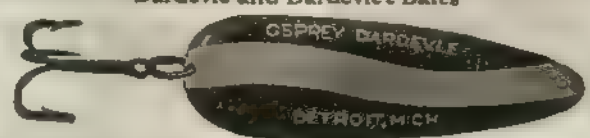
No	Size	Length of Blade	Per Doz.
18R106.	3/0	2⅜ in.	2.80
18R107.	0	1⅞ in.	2.95
18R108.	1/0	1½ in.	3.45
18R109.	1	1⅛ in.	4.00
18R110.	2	1⅛ in.	4.45

Interchangeable Spinner

Pflueger-Lewis Interchangeable Spinner, designed for all game fish and has twenty-four interchangeable combinations. Each set contains two rust proof steel piano wire shafts, each with a "Jack" to which the blade is secured, one nixed white and brown bucktail Hollow Point, treble hook size 2/0; one hollow point California bass hook, ring size 4/0, one weedless bass fly on a hollow point sproat hook, ringed size 2/0, one bright nickel plated treble hook size 1/0; feathered, and six interchangeable spoon blades. Each set on easel-back display card.

No. 18R34.
Per set 1.00

Dardevle and Dardevlet Baits



Dardevle Baits made of metal, nickel finished and very effective. Length 3⅛ inches, weight one ounce. Each in box.
No. 18R156. Red and White reverse.
Per dozen 6.00
No. 18R157. Black and White reverse.
Per dozen 6.00
Dardevlet Baits same as above, length 2⅜ inches, weight 3/5 ounce.
No. 18R158. Red and White reverse.
Per dozen 6.00
No. 18R159. Black and White reverse.
Per dozen 6.00

FISHING REELS

SOUTH BEND—ANTI-BACK-LASH

Frame—Solid nickel silver frame; light, strong and rigid. **Bearings**—The spool and gearings are of special steel, accurately turned, ground. The end thrust is supported by adjusted jeweled spool-journal caps of screw-off pattern. **Gearing**—The gearing consists of a special hunting tooth train, the gear of which is cut from hard drawn brass, and the pinion from special tool steel, which, in action, produces a powerful, yet quiet, free running reel. **Crank**—The crank is accurately balanced; the grip is of white ivoroid bushed with bronze. **Click**—Made of hardened tool steel, operated by a thumb button on the tail plate, and actuated by a phosphor bronze spring.

Each

No. 1131—Capacity 100 yds; length of pillars 1⅛ ins; diam of disk 2 ins; wt each 7 ozs $27 45

One in cardboard box.

SOUTH BEND—ANTI-BACK-LASH LEVEL WINDING

Quadruple Multiplying. Frame and all component parts are made of Liberty silver, satin finish. Agate jeweled spool caps of the screw off pattern with adjustable spring tension grip; white ivoroid grips on handle.

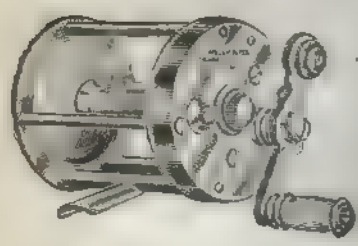
Strong and rigid in construction; will not back-lash; perfect level winding or spooling device. One casting weight with each reel.

Each

No. 1260—Capacity 100 yds; length of pillars 1⅝ ins; diam of disk 1⅝ ins; wt each 8 ozs $55 05

One in cardboard box.

MILAM



Quadruple Multiplying. Made of nickel silver, very attractively designed. Quadruple multiplying; smooth in action; has click and drag and balance handle. Pinions and pivots are of the best tool steel.

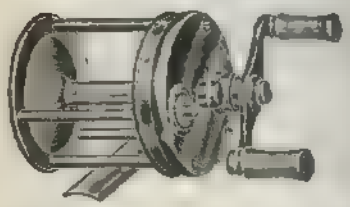
Capacity 100 yards; diam of spool 3 inches; length pillars 2¾ inches; diameter disk 2 inches.

Each

No. MR3—Wt each 8 ozs $18 30
No. MR3J—Jeweled; wt each 8 ozs. 21 00

One in cardboard box.

JAMES HEDDON & SON



Quadruple multiplying. Made of hard drawn watch nickel; stud shaft; pivots and pinion made of drill rod, oil tempered, ground and and polished. Spiral gears made of hard drawn phosphor bronze rod. Hard rubber handle.

Each

No. 3-15—Capacity 130 yds; length pillars 1⅝ ins; diam discs 1/16 ins..... 43 50

One in cardboard box; wt each 15 ozs. $20 00

FISHING REELS

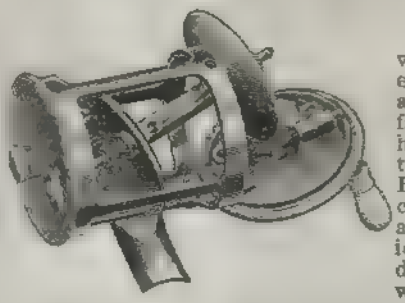
UNION HARDWARE CO., SAMSON

Bait Casting. Quadruple multiplying, solid spool; nickel plated; highly polished. Free running spool and balance handle. Round plates with oil cups over bearings; steel axle; steel pivots and pinions.

Per Doz

No. 350—Capacity 80 yards; length spool 2 ins; diam plate 2 ins.. $84 45

One in cardboard box



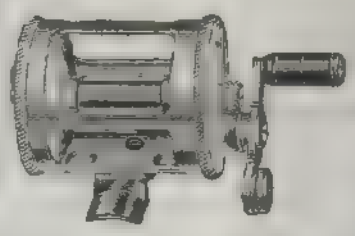
Bait Casting. Quadruple multiplying with removable spool; end of reel where handle and gears are attached is fastened to frame with a hinge which eliminates the possibility of loosing. Round plates with oil-cups overbearings; steel axle; steel pivots and pinions; adjustable click and drag; nickel plated with white handle.

Per Doz

No. 500—Capacity 80 yards; length spool 2 ins; diam plate 2 ins..... $117 00

One in cardboard box.

BLUE GRASS SIMPLEX



Gears are all cut from hard drawn brass rod (not castings), and pinions are made of the finest stub steel drill rod, tempered and polished.

This reel has handle forward of the bottom and sliding click located on back end of reel. Both click and spring are made of the finest oil tempered steel.

Made of the best nickel silver, suitable for bait casting, bass fishing and for trolling pike, muskalonge and other large fish. Capacity 120 yards of No. 5 Kingfisher line.

Per Doz

No. 33—Diam of spool 1⅝ ins; length of spool 1⅛ ins; wt each 12 ozs..... $315 00

One in cardboard box

BLUE GRASS KENTUCKY

Made of the finest nickel silver; spiral gears; tempered steel pivots and studs; quadruple multiplier; with click and drag and screw-off oil caps and balance handle.

Suitable for bass, pickerel, trout, sheepshead and often used for muskalonge and salmon. Capacity 120 yards of No. 5 Kingfisher line. Diameter of end plate 2 inches; length of spool 1⅝ inches.

Per Doz

No. 3B—Wt each 13½ ozs ..... ✦$528 00
No. 3JB—Jeweled; wt each 13½ ozs ..... ✦ 660 00

One in cardboard box.

Large and strong. Intended for lake fishing where muskalonge, pickerel and bass are sought. Not too heavy for smaller fish. A reliable reel with a very powerful gear. Capacity 160 yards of No. 5 Kingfisher line. Diameter end plate, 2¼ inches; length of spool, 1⅝ inches.

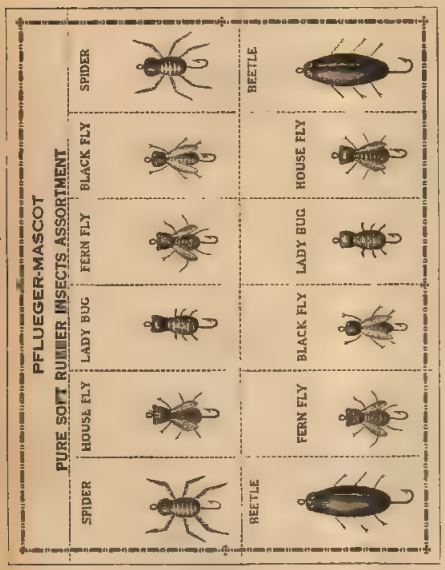
Per Doz

No. 4B—Wt each 14½ ozs ..... ✦$633 00
No. 4JB—Jeweled; wt each 14½ ozs ..... ✦ 754 50

One in cardboard box.

✦F. O. B. Connecticut Factory Only.

ARTIFICIAL BAIT



ASSORTMENT No. 100

Pure, soft rubber insects. Painted and decorated true to life. Will not crack or peel.

Asst. No.	Wt. per asst.	Per asst.
100	2 ozs.	$3.00

Twelve assorted on a card; one card in a box

DEVIL BUG MOUSE

Made of deer's hair and tied to No. 2/0 model perfect hook The Devil Bug Mouse is good for all game fish. Can be used in connection with almost any spinner.

	Each
Devil Bug Mouse	$1.00

One in a box; twelve in a carton.

FROGGIES

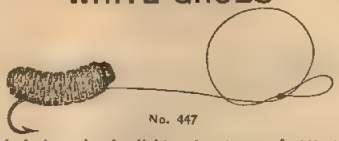
No. 503

Pure soft rubber frogs, painted and decorated with a special formula which leaves them flexible and will not crack or peel. Mounted with bright nickel plated, hand forged hooks.

No	Size hook	Each
503	1/0 treble	$0.56

Six on a card.

WHITE GRUBS



No. 447

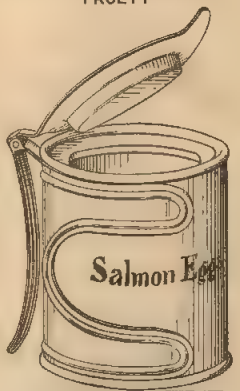
The body is made of a light and water-proof core moulded so as to retain its shape. White chenille is firmly wound on this moulded corrugated body so that it will not strip or peel. Hollow point sproat hooks used, tied with a single gut snell.

No.	Size hook	Per 100
447-8	8	$30.00
447-10	10	30.00

Twelve on a card; one card in a box.

CAN HOLDERS

PRUETT



FOR CAN OR BOTTLE

Strong spring steel. Black finish. Has a spring hinged cover which snaps into place and is used as cover of can. Made to hold either the can or the bottle.

	Wt. per box	Each
Pruett	1¼ lbs.	$0.68

NORWOOD

HOLDER WITH CAN INSERTED

Spring steel, antique copper finish. Very convenient for holding can in upright position. Can be clamped onto anything.

	Wt. per box	Per 100
Norwood	1 lb.	$27.00

Above, twelve in a box.

MINNOWS

SOUTH BEND

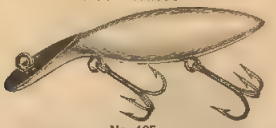
WIZ-ORENO

NOS. 967-RH TO 967-SF

The Wiz-Oreno is a wonder lure for casting or trolling. A practical weedless bait. Equipped with a swirling spinner, a gay hackle and a 5/0 single sneck hook. Has a safety snap to which you can attach pork rind bait. Body length, 2¾ inches.

No.	Color	Each
967-RH	Red Head, white body	**$1.00**
967-RAIN	Rainbow	**1.00**
967-SF	Scale	**1.00**

RUSH TANGO



No. 105

These minnows have all the life-like swimming motions of a live minnow in action. It darts and dives in various directions, always wiggling like a fast swimming minnow. When not in action it floats, thereby avoiding the possibility of catching on the bottom. Hooks being behind the body of bait, it is practically a weedless bait. Ideal for all kind of bass and lake trout.

No.	Color	Each
105	Yellow body, red head	**$1.00**

ASSORTMENTS

SOUTH BEND TROUT-ORENO

ASSORTMENT No. 381

Compact pocket size box, containing one each of twelve standard colors:

1 No. 971-RH	Trout-Oreno	1 No 971-RHA	Trout-Oreno
1 No 971-Y	Trout-Oreno	1 No 971-LUM	Trout-Oreno
1 No. 971-R	Trout-Oreno	1 No 971-SF	Trout-Oreno
1 No. 971-W	Trout-Oreno	1 No. 971-BH	Trout-Oreno
1 No. 971-RAIN	Trout-Oreno	1 No. 971-RSF	Trout-Oreno
1 No 971-F	Trout-Oreno	1 No. 971-G	Trout-Oreno

Asst No	Wt. per asst	Per asst
381 Trout Oreno	¼ lb	**$7.80**

ARTIFICIAL BAIT

FLOATING CRICKETS

PALMER'S

A floating cricket. The perfect bait for all fish. Made of cork and finished the natural color of the cricket. Has wings and legs and will fool the wisest fish. Mounted on No. 8 hand forged Aberdeen hook.

	Each
Palmer's Crickets	**$0.70**

Two on a card; twenty-four in a box.

FLOATING GRASSHOPPERS

PALMER'S

A floating grasshopper with a cork body. The perfect bait for all fish. Natural color, with two wings and legs made of sparrow feathers tied in such a natural way that they fool the wisest fish. Carried in four size hooks—4, 6, 8 and 10.

	Each
Palmer's Grasshoppers	**$0.60**

Six on a card.

MERINO GRASSHOPPERS

No. 665

Silk wrapped body. Light green wings tied on six-inch single gut, with best crucible steel hollow point sprout hooks, with turned down eye.

No	Size hook	Each
665-8	8	**$0.56**
665-10	10	**.56**

Twelve on a card in a box.

HELGRAMITES

No. 759

Made of pure soft rubber painted and decorated. Will not crack or peel. With looped gut and swivel. Mounted with hollow point sprout hooks.

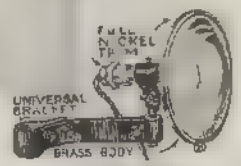
No.	Size	Size hook	Per 100
759	1/0	6	**$88.00**

Twelve on a card in a box.

SPOTLIGHTS and STOPLIGHTS

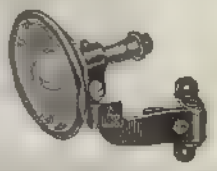
TWO "KNOCKOUT" VALUES

First quality lights that are bound to give your trade absolute satisfaction



Spotlight Only

4K8302—"Challenge." all brass body 4½ in. [illegible] Black enamel body [illegible] Complete with [illegible] 1 carton Each **$1.10**



Combination Spotlight and Trouble Lamp

4K8312—All brass, 4½ in. reflector, black enamel [illegible] Complete with [illegible] Each **$1.30**

SPOTLIGHT

4K8310—"Leader" [illegible] body and reflector [illegible] nickel trimmings, switch is controlled by large rubber handle, can be focused by turning of screw. Fitted [illegible] bulb, cord and universal bracket for [illegible] open or closed car [illegible] top Each **$1.70**

STOPLIGHT

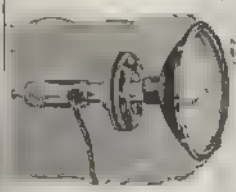
4K8274—5½ in. high over all. 4 in. dished ruby lens, nonjapanned red glass, guaranteed [illegible] switch, [illegible] nickeled brass trim. Complete with [illegible] hard rubber plug and cap, switch tape, wire and full directions for attaching. 1 carton to box Each **95c**

All brass body, silvered reflector, waterproof switch in handle, detachable from combination open and closed car bracket for use as trouble lamp, complete with 21 p. Mazda (tipless) bulb and 6 ft. cord in box

4K8306 **Big Value."** [illegible] Each **$1.75**

4K8307 All [illegible] Each **$2.25**

4K8309 "Delta." [illegible] body, black enamel, [illegible] reflector, weatherproof switch in handle, detachable from [illegible] open or closed car bracket, 6 volt light complete with 6 volt Mazda bulb, universal bracket which will fit open car windshields and 6 ft. of cord 1 in carton Each **$3.75**



4K8304 "De Luxe," 4½ in. brass reflector, black enamel [illegible] body, nickel reflector trim, equipped with bakelite [illegible] Oliver Steering switch, handy grip handle. Complete with 32 c.p. tipless bulb and 6 ft. of cord 1 in carton Each **Out**

"STOVER" SPOTLIGHTS

Cold rolled steel body, fluted stop lens, corrugated tail light lens, fully guaranteed. 1 in carton

Without License Plate

4K8323 Without [illegible] bracket, to fit [illegible] Chevrolet, Essex, Hudson, Oldsmobile, Studebaker and Willys-Knight Each **$2.25**

PARKING LAMP

4K8335 — Well constructed brass body, nickel plated parking lamp, popular size 1¾ in. white crystal front lens. Furnished with six volt double contact bulb, bulb and wire for attaching. 1 in carton Each **65c**

AUTO FLASHLIGHT

7 in. long, 1¼ in. diameter black corrugated fiber case, full nickel trim, octagon lens, ring to prevent rolling, safety shut-off. Fully guaranteed

4K8637—Complete with battery in carton Each **$1.10**

4K8638—Extra 2-cell battery Each **10c**

"CLYMER" WINDSHIELD SPOTLIGHT

4K8305 "Clymer," 4½ in., rich dull black enameled steel pistol grip handle and [illegible] handle heavily nickeled and [illegible] To install at $12.00 1 in carton Each **$8.90**

With License Plate

4K8228 Furnished with [illegible] Each **$2.35**

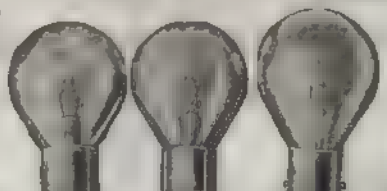
TOW LINES

4K8279—½ in. manila rope, [illegible] long, reliable for all light and medium weights. Complete with hook reinforced 1 in pkg Each **Out**

4K8369 "Au-Tow-Line," 16 ft. long, strength 2000 lbs., arranged to pull any auto, constructed on wire and pure manila fiber. 1 in attractive carton Each **$1.25**

EVEREADY MAZDA AUTO LAMPS

Single Contact, Double Contact — **Tail and Dash Lamp Bulbs**



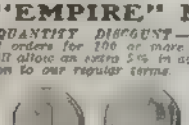
Single Contact, Double Contact — **Headlight Bulbs—Gas Filled**

For Fords — **"Twelite" Bulb Gas Filled**

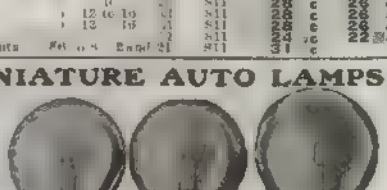
Mazda No.	Contact	Description	Voltage	C.P.	Type	Each	50 or more Each
4K8202	Single	Rear & Dash	6 to 8	3	63	14 c	13 c
4K8203	Double		6 to 8	3	63	14 c	13 c
4K8204	Single		12 to 16	3	63	17 c	16 c
4K8205	Double	Headlight—Gas Filled	6 to 8	21	811	24 c	23 c
4K8206	Double		6 to 8	21	811	24 c	23 c
4K8710	Single		6 to 8	21	811	36 c	34 c
4K9211	For Fords		6 to 8	21	811	36 c	34 c
4K9213	For Fords		6 to 8	21	811	36 c	34 c
4K9214	1141		12 to 16	21	811	36 c	34 c
4K9215	1142	Double	12 to 16	21	811	36 c	34 c
4K9719	1160	Double		21	811	44 c	42 c
4K9718	1158	Double Two Filaments	6 to 8	3 and 21	811	44 c	42 c

"EMPIRE" MINIATURE AUTO LAMPS

QUANTITY DISCOUNT—On all orders for 100 or more we will allow an extra 5% in addition to our regular terms.



Single Contact, Double Contact — **Tail and Dash Lamp Bulbs**



Double Contact, Single Contact — **Headlight Bulbs—Gas Filled**

For Fords — **"Twelite" Bulb Gas Filled**

Mfrs. No.	Contact	Description	Voltage	C.P.	Type	Each
4K8815	Single	Rear & Dash	6 to 8	3	63	10c
4K8816	Double		6 to 8	3	63	10c
4K8914	Single		12 to 16	3	63	12c
4K8919	Double	Headlight—Gas Filled	6 to 8	21	811	18c
4K8923	Double		6 to 8	21	811	18c
4K8915	Single		12 to 16	21	811	18c
4K8928	Double	Two Filaments	6 to 8	3 and 21	811	22c

TOOLS

"HERCULES" RIM TOOL

4K9261 [illegible] for starting rim tool breaks, shrinks and expands all makes of split automobile rims without being removed from car. [illegible] 1 in pkg Each **$2.95**

"HESS" RIM TOOL

4K9208 "Hess" mallotoid iron with steel screws and cups, expands as well as contracts, split demountable rims. 1 in pkg Each **$3.75**

SOCKET WRENCH SET

4K9165 "None Better," 8 piece steel handle, can be used on 75% of all cars, all in box Set **55c**

WRENCH SET
For Fords

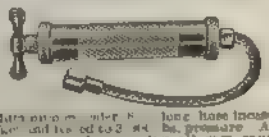
4K9175 8 piece set, contains wrenches made especially for owners of Ford cars. Opening sizes—¼, ⅜, ½, ⅝, ¾ in. which will fit all nuts and bolts on a Ford. Set also includes ratchet wrench for transmission band. All made in white metal, and fully guaranteed. 1 set in box SET (8 pcs) **$1.75**

MASTER SOCKET WRENCH SET

4K9168—Speeder wrench rim wrench, long and short extension bar, universal joint, ratchet wrench, combination T & L handle, 19 7 pieces. Highest quality guaranteed unbreakable. Hex sockets in following sizes: [illegible] Hinge dale square sockets in following sizes: [illegible] Made of high grade alloy steel, nickel plated. Set in [illegible] Each **$7.50**

HIGH PRESSURE OIL AND GREASE COMPRESSOR

Suitable for all cars equipped with Alemite system



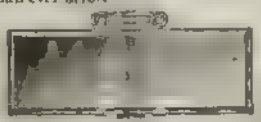
4K9234—Alemite high pressure [illegible] long hose inserted in wooden [illegible] and [illegible] 36 in. pressure. A high grade [illegible] pressure gun for greasing all cars equipped with Alemite system. 1 in carton Each **$2.95**

ACCESSORIES

REAR VIEW MIRRORS

Fit all cars—Open or closed

An accessory that the motorist simply must have. Give him a chance to get one at a lower price than ever before



"Universal"

Clear beveled plate glass set in heavy nickel plated bracket. Fits any radiator [illegible] Each **$0.58**

4K9236—Size 2x7 [illegible] Each **.90**

4K9231 [illegible]

REAR VIEW MIRRORS

"Outlook" 3 in. wide bevel edge rear daylite mirror with drop forged nickel plated bracket and arm for attaching to windshield frame. Fits all cars

For Sedans and Coupes

4K9233—7 in. long. Each **$1.50**

AUTO CLOCKS

Ansonia "Motoria"

4K9820—3 in. case, heavily nickel plated, with silver dial, 8 day movement, for attaching to windshield frame. 1 in carton. Each Out

ASH RECEIVER

4K8334—Combination ash receiver, match box holder and cigar rest. Brass construction, nickel plated. Size 2¾ in. wide, 3¾ in. high. 1 in carton .... Each **85c**

Ansonia "De Luxe"

4K9822—Dial 1¼ in. diam., silver finish dial, nickeled case, [illegible] Size 2¾ in. wide, 3¾ in. high. Complete with nut and bolts for attaching [illegible] Each Out

WINDSHIELD VISOR

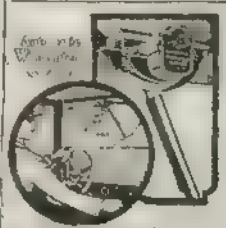
4K7480 — "Popular" drop ring steel frame, multi grained, covered with a double thickness of high grade [illegible] waterproof top material, leather finish. Black outside, green underneath. Exposed metal parts heavily japanned. 1 in carton Each **$1.98**

TRANSPARENT VISOR

4K7831 — "Premier," made of Du Pont green pyralin, lighter than glass and will not break, warp, crinkle or shred. Shaped to clear windshield. Black enameled and nickeled mounting [illegible] Each **$4.25**

WINDSHIELD CLEANER

4K8670 — "Outlook," 7 in. wiper nickeled ball handle, attached by clamping over top of windshield or by drilling through windshield frame on closed cars. 1 in box .. Each **98c**



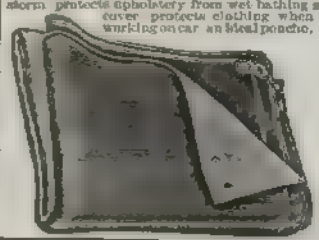
AUTOMATIC WINDSHIELD CLEANER

4K8631 — "Perfection," automatic motor and working parts, black enameled, every part built to last, guaranteed for 5 years, operates from vacuum tank or intake manifold, no cause of operation. 1 outfit complete in box with directions

Each **$2.10**

"CAMPAL" 54x72 IN. BLANKET RUBBERIZED

USES — As luggage carrier cover, as sleeping blanket, as protection from damp ground, as covering for leaky top in rain storm, protects upholstery from wet bathing suits, picnic table cover, protects clothing when working on car, as real poncho,

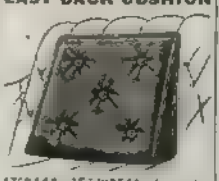


4K8800—54x72 in. Du Pont material rubberized on both sides, one side black the other khaki. All edges turned double, securely stitched. 1 in pkg. Each **$2.80**

COMFORT CUSHION

4K8447 — 15x15 in., heavy black grained leatherette, filled with pure hair, corded edges all around, wrapped. 1 in pkg Ea. **87c**

EASY BACK CUSHION



4K8446—15½x15½ in., tapers from 4½ to ½ in., black leatherette, pure hair filling, corded and welted sides, 8 button tufted. 1 in pkg Each **$1.10**

GLASS VASE

4K8342 — 7 in., high amber frost mail tube, very attractive, unbreakable bracket, held by nickel-plated polished anti-splash [illegible] construction, keeps rattle out, top for attaching. 1 in box Each **70c**

"MAT'S" POLISHES

Widely known and guaranteed.

4K8480 Black enamel, for fenders, etc. 4 oz. can Can **30c**

4K8361 Metal finish, for all nickel parts ..... Can **20c**

8 oz. can.

4K8362—Top dressing, for refinishing tops, side curtains and cushions 8 oz. can . . . Can **40c**

Boyce-ite

The Carbon Killer

There is no doubt about the merits of "Boyce-ite" as hundreds of motorists have already testified to the surprising results obtained from its use.

Nationally Advertised

4K9439—A only fluid to be added to gasoline. Will positively remove all carbon after 25 to 500 miles of driving. Manufacturer will pay $10 for carbon removal if "Boyce-ite" does not remove it. Continued use prevents carbon formation, increases gasoline mileage from 1 to 6 miles per gallon, makes a smoother running motor and makes motor give maximum power. Not injurious to motor. ABSOLUTELY GUARANTEED. Three 4 oz. cans in consumers' package (treats 30 gals. of gasoline). 10 pkgs in carton.

PKG 3 cans **$0.60**

CARTON (10 pkgs) **5.50**

"SIMONS KLEENER" AND "SIMONIZ"

Contains no acid, alkali, alcohol or oil. "Simons Kleener" prepares car for use of "Simoniz." Simoniz gives a hard dry velvet-like finish

4K8558—"Simons Kleener" Can **40c**

4K8559—"Simoniz" Can **40c**

GASKET SHELLAC COMPOSITION

4K8677 "Stick-tite" 3 oz. bottle, swab top. 1 doz. bottles in carton.

Doz bottles **85c**

RADIATORS, BODY and SPRINGS for FORDS

"PEERLESS"

Honeycomb Radiators

"Peerless" Products for Fords are Nationally Known

Honeycomb core practically indestructible black enameled, large water [illegible] Large [illegible] Brass [illegible] Complete with [illegible] For [illegible] 1 in crate. 40 lbs

4K8405 For 1917 to 1923 models Each **$10.00**

4K8407—For 1924 Model Each **$11.00**

BRASS RADIATORS

Capacity 4 gal., brass construction throughout, 17 tubes deep, 11 and record cellulose, [illegible] 29 core tubes, steel stamped [illegible] and construction as regular Ford radiator. 1 in box, 40 lbs

4K8404—For 1917 to 1923 models Each **$12.90**

4K8205—1924-25 models " **13.80**

COMMERCIAL BODY FOR FORDS

Securely braced. A practical and inexpensive body for light business purposes.

➡4K8651—80 in. long, 33 in. wide, 13 in. high over all, 44½ in. Backboard supported by 2 braces will not push down. Horses and cross rails are put together ready to receive side and end boards, which are packed flat, which makes a low rate of freight, but all boards are drilled and bolts can be easily bolted together, body is painted black and comes complete with all necessary hardware for assembling.

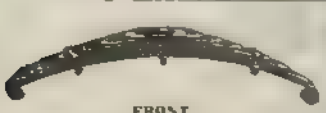
1 to crate, 115 lbs. ..... Each **$8.75**

➡*Shipped from factory F. O. B. Central Illinois*

SPRINGS

STANDARD GUARANTEED SPRINGS

We will replace free of charge any spring that breaks because of defects in workmanship or material



FRONT

4K8806—Standard 7 leaf, 17½ lbs

Front Springs Made of high grade special analysis spring steel, heat treated, oil tempered. 1 in pkg

Each **$1.30**

4K8808—Standard 8 leaf 41½ lbs

Rear Springs Made of high grade special analysis spring steel, heat treated, oil tempered. 1 in pkg

Each **$4.00**

"TUTHILL" TITANIC SPRINGS

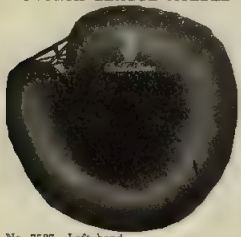
See that Arch

For all Model Ford Cars. These are springs of the highest quality obtainable scientifically tempered alloy steel, guaranteed against center breakage. 1 in pkg., 19 lbs.

4K8800—Front. Standard 7 leaf Each **$4.10**

CATCHERS' MITTS

CHURCH LEAGUE MOLDED SCOOP MODEL



Church league molded scoop model catcher's mitt, made with tan kid face, fingers and back, brown leather bound, brown leather laced, leather laced thumb, special felt faced inside pad.

Each

No. 7527—Left hand $6.00

One in a Box.

AMATEUR MODEL

Amateur model catcher's mitt made of black sheep leather with tan leather strip, tan bound, tan cotton laced, special felt faced inside pad, made on a full size pattern. A popular model among the amateur players.

Each

No. 7508—Left hand $5.00

One in a Box.

PRACTICE MODEL

Medium size pattern, black sheep leather face and fingers, black imitation leather back, white fabric bound, black cotton laced, white leather strip. A dandy mitt at the price.

Each

No. 7514—Left hand $3 00

One in a Box.

BOYS'

Brown sheep leather, sewed, not laced, brown fabric bound, black leather band. An excellent boy's mitt.

Each

No. 7529—Left hand $2 00

One in a Box

Brown sheep face, canvas fingers and back, red fabric bound.

Each

No. 7511—Left hand $1.50

One in a Box.

CATCHERS' MASKS

NEWEST PROFESSIONAL MODEL

Has a silver aluminum new designed frame consisting of two bars across the front with flat frame. Has continuous style, hair filled padding with a wide hair filled chin pad. The padding is leather laced to the frame through metal eyelets. Highest grade strong elastic web straps fastened to the frame with cowhide leather straps hold the mask firmly in place. The construction is such that the vision is absolutely unhampered in all directions. Only the best materials and most careful workmanship go into this mask. Fits firmly, yet comfortably, and built to withstand the severest shocks without injury to the wearer.

Each

No. 6919—Championship mask $13.50

MAJOR LEAGUE

With leather sunshade, green lined. Best grade dull black enameled welded steel wire frame. Has comfortable continuous style hair filled padding with wide hair filled chin pad. Highest grade web strap holds mask firmly in place. The padding is leather laced to the frame and the web head strap is fastened to the frame with cowhide strap and buckle. Will withstand the hardest shocks and give absolute protection.

Each

No. 6915—Major league mask, with sunshade $8 00

SEMI-PROFESSIONAL

With leather sunshade, green lined. The frame is of dull black enameled steel wire made of "Clear View" pattern. Has continuous style padding with wide chin pad. Good grade web straps hold mask firmly in place. Gives thorough protection. The favorite mask of many semi-professional catchers

Each

No. 6910—Semi-professional, with sunshade $6 00

AMATEUR

Made on "Clear View" pattern in dull black enameled steel wire. Has continuous style padding with wide chin pad. Has medium size frame. Good web strap holds mask firmly in place. The most popular amateur mask made

Each

No. 6906—Amateur $3.00

AMATEUR SPECIAL

Made of a medium gauge dull black steel wire frame with padding that affords good protection. Gives the utmost value at the price.

Each

No. 6903—Amateur special $2 50

Open Stock.

CATCHERS' BODY PROTECTORS

PROFESSIONAL MODEL

Made of the best quality duck throughout, stuffed with a fine grade of hair and entirely leather bound, has selected high grade web body and shoulder straps with adjustable snap buckle, entire protector is quilted and is hinged in the center as well as below waist line giving a protector that fits snugly without binding and allows the utmost freedom of motion, gives excellent protection to all vital points.

Each

No. 717—Professional model catcher's body protector $6 00

Open Stock.

YOUTHS' SIZE

Each

No. 723—Same materials and similar construction as No. 717 $4 50

BOYS' SIZE

Each

No. 720—Similar in construction and materials to No. 717 $2.50

Open Stock.

CATCHERS' LEG GUARDS

PROFESSIONAL MODEL

Made of a specially molded piece of red fibre with leather ankle pads and with leather piece sewed on with strong waxed linen cord at top that is sewed to a molded sole leather knee cap, adjustable buckles and straps hold guards firmly in place, the newest model in leg guards.

Per Pair

No. 5819—Professional model leg guards $8.00

Open Stock.

HOME PLATES

Made of white rubber, exactly in accordance with league specifications, each has five removable spikes.

Each

No. AH—Regulation size $10 00

Open Stock

PITCHERS' BOX PLATES

Made of white rubber in exact accordance with the league specifications, with spikes complete.

Each

No. AP—Pitchers' box plates . $7.00

Open Stock.

LEAGUE BASES

STALL & DEAN PROFESSIONAL

Made of best grade heavy white canvas, quilted, complete with spikes and straps.

Per Set

No. 1—In sets of three $12.00

STALL & DEAN AMATEUR

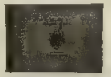
White canvas, well stuffed, strong straps, complete with spikes

Per Set

No. 3—In sets of three $9 50

Open Stock

SCORE BOOKS



Pocket size, board cover.

Each

No. 50—50 games $0 75

No. 25—25 games 50

Open Stock.

SCORING TABLETS

A simple, convenient and accurate device for the record of runs and outs, made of celluloid.

Each

Scoring Tablet—Vest pocket size $0.75

Open Stock.

UMPIRE INDICATORS

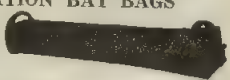
For the use of umpires to keep tally of strikes and balls, made of celluloid.

Each

Umpire Indicators—Vest pocket size $0.75

Open Stock.

REGULATION BAT BAGS



Made of extra heavy olive canvas, russet strap leather trimmings.

Each

No. 5921—Holds 12 bats $8 00

No. 5912—Holds 6 bats 5 00

Open Stock.

UNIFORM ROLLS

Substantially made, very durable, has separate compartment for shoes, etc.

Each

No. 604—Fine olive canvas. $5.00

Open Stock.

*MINE OR TIPPLE SCALES

STANDARD

Designed for weighing one small car of coal or ore at the mines, also in warehouses in weighing materials; tracks of narrow gauge are laid on platform to suit requirements, beam graduated 500x2 lbs. on each bar for mine or tipple service; 250x1 lb. on upper and 500x2 lbs. on lower bar for factories when so ordered. Lumber and foundation not furnished

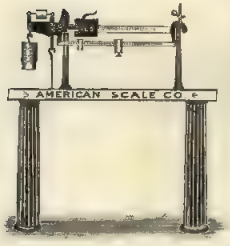
No.	2164	2188	2184	†2074
Capacity, tons	4	4	6	6
Platform, in.	72x46	72x59¼	72x59¼	96x72⅝
Platform edge to beam rod, in.	13⅞	18¾	18¾	18¼
Weight, lbs.	515	755	825	825
Each	$. ...	.....	.....	.....

No.	†2050	2156	†2070
Capacity, tons	6	10	10
Platform, in.	103x83	72x59¾	96x72⅝
Platform edge to beam rod, in.	31⅛	18¾	18¼
Weight, lbs.	850	980	1050
Each	$.....	.....	.....

Prices on application

†May be built with platform 10 feet long.

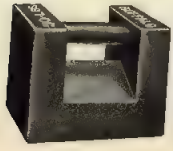
*COMPOUND BEAM AND OFFICE FIXTURES



AMERICAN

This beam and office fixture can be furnished with the various American wagon and motor truck scales shown on this and the following page with certain variations to meet the requirements of the different sizes. It is an ornament in any office. It is designed for extreme accuracy and convenience of operation; it requires no loose weights and is easily and quickly read.

U. S. STANDARD TEST WEIGHTS



Used to test scales and prove their accuracy.

They are of the latest approved design, carefully made and warranted correct.

No.	Actual Weight, lbs.	Each
1601	50	$8.00
2902	25	6.50
2903	20	6.00
2904	15	5.00
2905 (Round)	10	3.00
2906 (Round)	5	2.00

*Not carried in stock; will ship from factory

*MOTOR TRUCK SCALES

BUFFALO

Designed and built according to the construction used in railroad scales, especially adapted for weighing the heavier vehicles and motor trucks where the load is concentrated on the rear axle. A demand for heavier construction in motor truck scales is that the motor truck rear axle sustains 75 to 95 per cent of the load where each wheel of the wagon sustains 25 per cent of the load, each axle carries 50 per cent. A motor truck scale must be double the strength of a wagon scale of the same capacity; scale includes mechanism with compound beam and short pillar outfit or beam box, all lumber, structural steel, foundation, including bolts not furnished unless otherwise quoted.

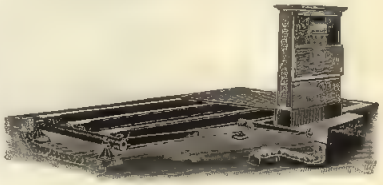
With Rigid Bearings

No.	2222	2238	2243	2245	2248
Capacity, tons	6	10	15	20	30
Platform, ft.	8x16	8x16	9x18	9x20	9x24
Weight, lbs.	1400	2300	2575	2738	2975
Each	$270.00	600.00	700.00	775.00	825.00

With Suspension Bearings

No.	3238	3248	3245	3248
Capacity, tons	10	15	20	20
Platform, ft.	8x16	9x18	9x20	9x24
Weight, lbs.	2828	3286	3491	3578
Each	$650.00	775.00	925.00	975.00

*AMERICAN SHALLOW PIT TYPE



This shows the scale installed with a phantom view of the pit, the foundation, the lever, the steel joist, the platform and beam in the beam box as well as the shallow pit.

It requires a pit only about one half that of regular pit scales as the 5, 6 and 8 ton requires but 16 inches and the larger sizes but 20 inches.

The scale has all the advantages of the pit type and is of the same high grade construction; levers are semi-steel of ample size; joists are I-beams heavy enough to carry more than the capacity of the scales.

Weigh beam is standard full capacity with beam box or office fixture. Very easy to install.

No.	86	87	88	89	90	91
Capacity, tons	5	6	8	10	15	20
Platform, ft.	8x14	8x14	8x14	8x16	9x18	9x18
Weight, lbs.	800	900	950	2100	2650	2750
Each	$92.00	104.00	156.00	206.50	316 00	363.00

*Not carried in stock; will ship from factory.

*WAGON AND STOCK SCALES

AMERICAN

This scale comes to you complete with everything shown in illustration except the floor boards, every part is steel, iron or brass except the beam box It is to be set entirely on top of the ground, 9 inches high, requires no pit; is easily and quickly placed; can be moved readily to any desired location.

The entire lever system always remains stationary, the oscillation of the platform is provided for by means of hardened ball bearings, thus saving the wear of the weighing levers, which are made sharp like a chisel and tempered to endure indefinitely.

STANDARD WAGON AND STOCK—PITLESS

No.	Capacity, tons	Platform, ft.	Shipping Weight, lbs.	Each
*81	5	8x14	1400	$291.00
*26	10	8x14	2000	486.00
*71	10	8x22	2600	654.00

*STANDARD WAGON AND STOCK—PIT TYPE

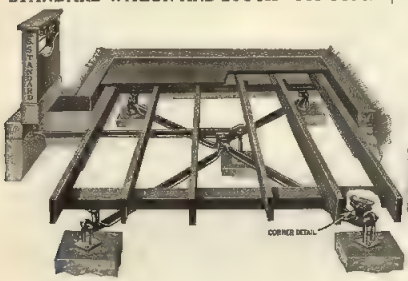


Illustration shows the pit type of scale, its construction and the way it is installed, requires a pit about 28 inches deep.

It has four independent levers—one from each corner to the center and a fifth lever extending directly to the beam. Levers are solid cast semi-steel, designed for greatest strength and rigidity, equipped with ball bearings that relieve the steel knife lever edges of all unnecessary wear. All working parts together with beam and beam box are furnished; customer supplies the balance of material.

No.	Capacity, tons	Platform, ft.	Shipping Weight, lbs.	Each
*23	5	8x14	650	$184.50
*46	10	8x14	835	295 50
*48	10	8x22	1000	366 00

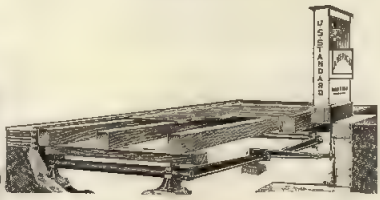
*Not carried in stock; will ship from factory.

HEAVY DUTY MOTOR TRUCK—PITLESS

Extra heavy frame and joists, it is twelve inches high and requires no pit.

No.	Capacity, tons	Platform, ft.	Shipping Weight, lbs.	Each
*79	5	8x16	2300	$511 50
*80	10	8x16	2500	609.00
*81	15	9x18	4800	1065 00

*HEAVY DUTY MOTOR TRUCK—PIT TYPE



This shows the scale installed with a phantom view of the pit, the foundation, the lever, the platform and beam in the beam box

The depth of pit varies with the size of the scale; for the 10 ton size illustrated 16 inches is required for the height, bearing timber 6 inches, joists 10 inches and floor 2 inches, making a total depth of 34 inches. This pit must be walled up with stone, brick or cement.

The scale sets on heavy iron standards on foundations in bottom of pit and none of the weight is carried on the wall. Complete illustrated directions for installing accompany each scale.

No.	Capacity, tons	Platform, ft.	Shipping Weight, lbs.	Each
*84	10	8x16	1420	$412.50
*85	15	9x18	1800	666.00
*86	20	9x18	1900	723.00

*Not carried in stock; will ship from factory

WRIGHT HOIST UNIT

FOR HIGH SPEED HOISTING AND CONVEYING

Profit Volume depends upon **Trade Volume.**
And **Quick Repairs** are your biggest advertising medium.
For Speedy Service Install a Wright High Speed Hoist Unit designed especially for speed and safety in repairing service. Many special construction features, plus hangers for any type ceiling, make it your best buy. It comes complete ready to install.

Literature?

WRIGHT MANUFACTURING COMPANY DAVENPORT

The New STANLEY

STANLEY DEALERS ARE MAKING MONEY

Judging by the experience of Stanley Dealers in various parts of the country, every territory contains more than enough people who are *sold on steam* to take all the cars we can allot to it.

Their legitimate profits are not dissipated by the expense of forced selling.

If you are located in open territory, we should be glad to hear from you.

5 Passenger Touring Car ..... $2500 f.o.b. factory
5 Passenger Sedan ..... 3300 f.o.b. factory

SPECIFICATIONS

Wheelbase: 125".
Tires: 31 x 4.95 balloon.
Steering Gear: Ross, cam and lever type.
Springs: Front, semi-elliptic 40 x 2¼. Rear, semi-elliptic 56 x 2¼.
Brakes. Service, four-wheel contracting Lockheed hydraulic. Emergency, rear wheel expanding.
Engine: Two-cylinder 4 x 5 standard Stanley design.
Air Pump: In unit with boiler feed pump.
Generator: Bosch 6-volt.
Battery: Westinghouse.
Boiler: Standard Stanley fire tube design.
Burner: Standard Stanley vaporizing type single jet. Pilot light enclosed in main burner.

Unoccupied Territory now being assigned

STEAM VEHICLE CORP. OF AMERICA, Stanley Division, Newton, Mass.

PLUMB BOBS

Polished brass, steel points; finely finished, has screw plug in top through which cord passes.

Nos.	Wt each, ozs	Diam, ins	Lgth. over all, ins	Per Doz
14	6	1	4½	$36 00
15	8	1⅜	4¾	39 00
17	12	1¼	5¾	54 00
18	16	1⅝	6	72 00

One in cardboard box.

STEARNS

Solid steel, nickel plated.

Finish consists of a heavy coating of nickel plate deposited over a very heavy coat of copper electroplated. Highly polished; can't rust; solid brass screw, accurate and true in every respect.

Nos.	Wt each, ozs	Diam, ins	Lgth over all, ins	Per Doz
60	9⅝	1½	3	$24 75
80	18	1⅝	4	31 50

One in shaped wood box.

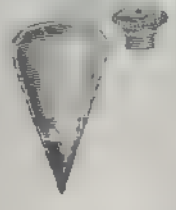
Hexagon steel.

Solid hexagon steel body with round hardened point, polished and nickel plated on heavy copper plate; screw lug in top through which the cord passes; will not roll when not in use.

Nos.	10	20
Wt each, ozs	8	12
Diam, ins	1	1¼
Length over all, ins	3¼	3¼
Per Doz	$17 25	25 25

Half doz in cardboard box.

Polished cast brass, hardened steel point.



Nos.	5	6
Old Nos.	2	3
Wt each, ozs	6½	11½
Diam, ins	1 1/16	1⅛
Length over all, ins	3	3
Per Doz	$17 25	23 25

Half doz in cardboard box.

Hexagon Brass.

Solid brass, highly polished and buffed, lacquered finish.

Nos.	500	800	1200
Wt each, ozs	5	8	12
Length, ins	3⅛	3⅝	4
Diam, ins	¾	⅞	1
Per Doz	$9 75	12 00	16 50

Half doz in cardboard box.

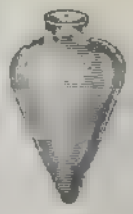
Soft grey iron; nickel plated.

Per Doz

No. 11—Wt each 5⅛ ozs; diam 1¾ ins; length over all 3 ins ... $6 00

One doz in cardboard box.

PLUMB BOBS



Soft grey iron; nickel plated.

Per Doz

No. 12—Wt each 14¾ ozs; diam 1¾ ins; length over all 3¾ ins ... $7 50

Half doz in cardboard box.

Iron; black Japanned.

Nos.	1	21	22
Old Nos.		1½	5
Wt each, lbs	½	1	2
Diam, ins	1⅝	1⅞	2⅛
Length over all, ins	2½	3⅜	4
Per Doz	$3 15	5 40	9 00

No. 1, one doz; Nos. 1½ and 5, half doz in wood box.

COTTON CHALK LINES

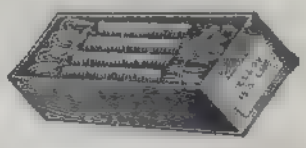
WHITE

Nos. 6 or 66

Nos. 7 or 77

	50 foot balls.		100 foot balls.	
Nos.	6	7	66	77
Wt per doz, lbs	½	¾	1¼	2
Strand	21	24	21	24
Per Doz Balls	$2 70	3 00	4 35	4 80

One doz balls in cardboard box.



YELLOW

Twelve hanks connected.

Nos.	185	245	180	240
Ft in hank	50	50	100	100
Wt per gro hanks, lbs.	6	9	12	18
Strand	18	24	18	24
Per Doz Hanks	$3 00	4 05	5 25	6 60

One doz hanks in cardboard box.

CHALK LINE REELS

STANLEY'S

Polished hardwood; diam at ends 2 ins; diameter at center ½ in; diameter axle hole ⅛ in; length between ends 2 ins; length over all 2¾ ins.

Per Doz

No. 12—Wt per doz about ¾ lb ... $3 24

Three doz in cardboard box.

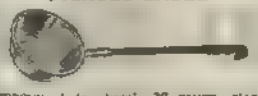
SMALL LADLE
Match this price if you can

T3145—2¾ in. well bowl, high, polished aluminum ladle, 6 in. taper round handle, hole for hanging. 1 doz. in box. Doz **72c**

LARGE LADLE

T3200 4 in. bowl, 8½ in. riveted iron handle, flip metal inside and out. 1 doz. in pkg. Doz **84c**

PIERCED LADLE



T3200 4 in. bowl, 26 gauge star shaped perforations ¼ in. riveted iron handle, flip metal inside and out. 1 doz. in pkg. Doz **84c**

WOOD HANDLED DIPPERS

T3260 4x1¾x9. dip finish aluminum shank, black enameled wood handle. 1 doz. in box. Doz **$1.35**

T3269—1 pt. 4¼x2¾x2¾, black enameled wood handle. 1 doz. in box. Doz **$1.95**

UTILITY STRAINER

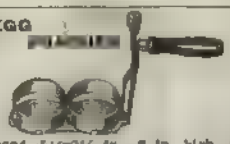
T3016—7¾ x 2¾ x 1¾, natural bright finish riveted aluminum handle, hole for hanging. 1 doz. in box. Doz **66c**

CAKE TURNER

A whale of a value!

T3283 9½x3, solid natural bright finish wire in riveted bar iron handle. 1 doz. in pkg. Doz **65c**

EGG



T3064—5½x2¾ in., 6 in. high, 2 seamless hinged aluminum cups, one shallow and the other deep, on one end of handle. 1 doz. in carton. Doz **$4.00**
Sold in any quantity Doz **4.20**

COFFEE BALL

T3387—3½x2¾ in., natural bright finish screw cap for percolating with hanger. 1 doz. in box. Doz **72c**

CLOTHES SPRINKLER

T3081—8¼x1½x1½, natural bright finish, for spray work in laundry, fits any ordinary pail with no rust or corrode. 1 doz. in box. Doz **36c**

GROCERS' SCOOP

T3877 5 x 3½x1¾ bowls, seamless 4 in. wide, 1 piece natural finish, extra strong and well made. 1 doz. in box. Doz **95c**

WALL SOAP DISH

A Low Price

T3093—4½x5¼ in., natural bright finish, without drainer, holes for hanging. 1 doz. in box. Doz **60c**

TEA BALL

Big 10c Seller

T3589—2¼x2 in. natural bright finish, chain for hanging. 1 doz. in box. Doz **82c**

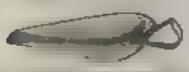
Miniature Cooking Utensils
Just the thing for Domestic Science Schools

T3332—Bright finish aluminum dripless set consists of 1 doz. each of the following:

4x2 tipped square pans. | 4¼x2¾x1¼ bread pans.
4x2 tipped baked preserve kettles. | 4¼x2½ fry pans.
4½x1¾ jelly cake pans. | 4¼x1½ pudding pans.

Assrtd. 1 doz. to carton. Doz **78c**

UTILITY SCOOP

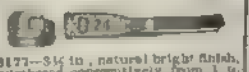


T3828—7¾x3¼ in. natural bright finish bowl shape. 1 doz. in box. Doz **72c**

SOAP BOX

T1083 3½x2½x1½, natural bright finish, right fitting hinged cover. 1 doz. to an box. Doz **82c**

POULTRY LEG BAND



T3177—3½ in., natural bright finish, numbered consecutively from 1 to 50, for marking poultry legs. Per pkg. **40c**

ASSORTED CAKE TURNERS

T3114—3x4 in. natural bright finish blade, 2 styles, solid and perforated. Heavy steel shank, wood handle. 1 doz. in box. Doz **80c**

"STEEL-CLAD" FIRELESS STOVES

All of our Steel Clad Fireless Cookers are approved by the Good Housekeeping Institute and bear their seal.

Have greater cooking capacity than other fireless stoves, as [illegible] are made of heavy polished steel linings, the best grade of pressed steel flanges, polished pure aluminum legs, well and strong carriage or wood, thick enameled side handles, hinges and lid catches. Cover tightener prevents steam escaping, automatic steam vent in cover, cast iron and cook book with clear, pure aluminum cooking utensils, aluminum bound baking discs.

T1050—14 in. high, 12 in. diam., cooking capacity 6 qt., heavy wire handle, easy to carry, strictly construction equipped with one each 2 qt. and 4 qt. aluminum vessels with cover [illegible] for attachments or [illegible] and shipping wt. 25 lbs. 1 in crate, 45 lbs. Each **$5.00**

T1035—1 well 15½x14½x18, square shape, 2 aluminum cooking vessels one 4 qt. and one 8 qt., 2 large nickeled racks, 1 wire rack to go back of rack, 1 tin pan and cook book. With legs. Each **$9.50**

T1055—[illegible] 15½x14 has great [illegible] than other fireless stoves and [illegible] discs, 2 wire cooking racks, 1 tin pan, 1 aluminum cooking vessel, 1 wire rack, 1 tin pan and cook book. With legs. Each **$16.50**

Baking and Roasting Discs—All in cast iron bound steel, well and [illegible] Each **95c**
T1047—1 in pkg. 6 lbs.

DRIP PANS—ROASTERS

BLUE STEEL DRIP PANS

Best quality smooth blue steel, heavily wired all around, folded ends, sanitary rounded corners, drop handles. Sold in any quantity

	Size	Wt. Each Crated	3 Doz in crate Doz	Open Stock Doz
T1400—	6 x 9 in.	20 lbs.	$0.65	$0.72
T1401—	7 x10 "	24 "	.84	.88
T1402	7 x14 "	34	.95	1.05
T1403—	8 x10 "	30	.80	.88
T1404—	8 x12 "	3	1.00	1.10
T1405—	8½x15 "	45	1.10	1.20
T1407—	9 x12 "	31	.95	1.05
T1408—	9 x14 "	39	1.00	1.10
T1410—	10 x15	50	1.25	1.35
T1411—	10 x17	58	1.45	1.55
T1412—	11 x16 "	51 "	1.55	1.65
T1413—	12 x12 "	43 "	1.25	1.35
T1414—	12 x17 "	59 "	1.60	1.75

DRIP PANS ON DISPLAY RACK

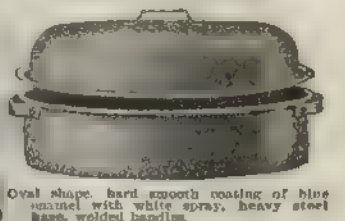
T1461—8 sizes, 1 doz. [illegible] 6x9 7x10 7x14 8x10 8x12 11x16 and 12x17 in. [illegible] high, 18 in. wide tapers to 9¼x2¾ in., beautifully engraved in [illegible] Assrtd. 6 doz. pans with rack in crate. Shipping weight 1 [illegible] Doz **$1.60**

BLUE STEEL ROASTERS

Double bakers heavy gauge, polished blue steel strongly wired, folded corners, riveted [illegible] patent ventilator, self-basting indented top.

	Size	Qty In Crate	Doz
T150—	8x12x5½	1 doz. 27 lbs.	$2.75
T151	9x14x7	1 " 43 "	3.75
T152—	10x14x7	1 " 55 "	3.95
T153	10½ x 9¼x8	1 " 35 "	4.75
T153b	3 sizes. [illegible]	1 doz. 8x12x5½ 9x14x7 10 x14x7	[illegible]
	1 doz. 9x12x5½ 10 x14x7 11x15x8	Assrtd.	
	1 doz. to carton 45 lbs.	Doz	$3.90

ENAMELED ROASTERS



Oval shape, hard smooth coating of blue enamel with white spray, heavy steel base, welded handles.

T35-15—14x8½x5½ in carton, 18 lbs. ½ doz. Doz **$7.20**

T35-15 16x11x6½ in box Doz **$15.00**

"OUR DRUMMER" takes the risk out of buying

JAPANNED NICKELED & EMBOSSED WARE

If we can only get you to compare these goods and prices with others we know we'll get your orders—every one of them

JAPANNED DUST PANS

T2004 [illegible]x8½, steel plate brown japanned, riveted square shank. 2 doz. in carton, 12 lbs. Doz **$4c**

Half Covered

T3014 — 12½x8¼ half covered heavy steel plate black japanned riveted shank. 1 doz in crate 9 lbs .. Doz **$1.15**

T2019—12½x8, heavy steel plate, black japanned, heavily wired all around hollow handle. 8 doz. in carton ....Doz **$1.20**

Half Covered

T2057 12½x8, half covered, 28 gauge heavy steel, black japanned, heavily wired all around. 1 doz in carton, 12lbs Doz **$1.50**

"NO STOOP" DUST PAN

Half Covered

Self-dumping & non-spilling. When pan is raised dust falls to bottom

T208—12x9½, black japanned Bessemer steel plate, half covered, 2½ in. coppered wire handle. Non-spilling when pan is raised dust falls to bottom. 2 doz in carton 20 lbs Doz **$1.50**

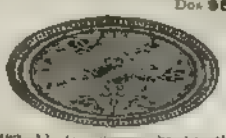
T200—10x9½, half covered, heavy steel plate, green japanned, 27 in polished wood handle. ½ doz. in crate, 14 lbs..... Doz **$3.75**

JAPANNED FOOT TUB

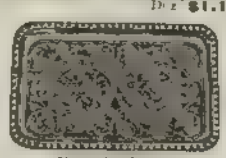
T2210—[illegible]x13½x8¾, heavy tin plate pure white japanned inside and out, riveted handles. ½ doz. in crate, 16 lbs. Doz **$4.75**

TIN SERVING TRAYS

T584 13 in. diam., bright IX tin, embossed design. 1 doz. in pkg. Doz **$6c**



T482 11 [illegible] bright tin, IX plate, floral embossed design, center beaded border. 1 doz. in pkg. Doz **$1.15**



Nickel Plated

T489 13½x1[illegible] IX tin, nickel plated, fancy floral design, beaded border. 1 doz. in pkg. Doz **$1.95**

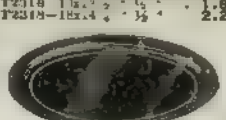
JAPANNED TRAYS

Hand Painted

T253—13x13 in., heavy steel plate, black japanned, assted colored flowers, hand painted. 1 doz. in pkg. Doz **$1.45**

Pattern 30—Oval shape, heavy steel plate, black japanned, rolled edge, gilt band. In pkg. Doz

T2314 14x11 in. 1 doz. **$1.45**
T2316 16x12 [illegible] **1.90**
T2318—18x14 [illegible] **2.25**



Pattern 395—Oval shape, heavy steel plate, black japanned, gold leaf flower decorations. ½ doz. in pkg.

T2320—20x16 in.. ..Doz **$3.45**
T2322—22x17½ in. " **4.20**

CRUMB TRAY SET

Nickel Plated

T481—3 designs, 8x8¼ in. tray, 2½ in. scraper fancy embossed IX tin, nickel plated. Assid 1 doz. sets in box. Doz sets **$2.00**

JAPANNED SINK DRAINER

"Steel Clad"

Double Seamed

T214—8x7½x4 in., heavy steel plate, blue japanned, double seamed, set up bottom, seamed on 1 doz in pkg .. .. .Doz **87c**

JAPANNED MATCH SAFE

T202 5x3¾ in., embossed, black japanned, hole for hanging, holds box of matches. 1 doz. in carton, 4 lbs Doz **75c**

JAPANNED FLOUR BINS

Medium weight tin plate, gilt band and lettering, deep fitting cover with rolled edge drop wire gilded handles, each wrapped. Wt. crated 15 to 16 lbs

BLUE JAPANNED—

	In Holds 1 bbl.	Crate Wt.	Doz
T2461—	50 lbs	1 doz	**$9.90**
T2462	75 "	"	13.75
T2463	100 "	"	21.50

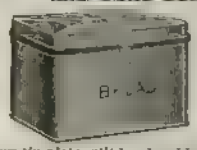
T2464—3 sizes: 1 each sizes 25, 50 and 100 lbs capacity, nested 1 nest in crate. [illegible] NEST (3 bins) **$3.75**

WHITE JAPANNED—

	In Holds 1 bbl.	Crate Wt.	Doz
T2561—	50 lbs	1 doz	**$9.90**
T2562	75 "	"	13.75
T2563	100 "	"	21.50

T2564—3 sizes, 1 each sizes 25, 50 and 100 lbs. capacity, nested 1 nest in crate, 34 lbs NEST (3 bins) **$3.75**

JAPANNED BREAD AND CAKE BOXES



Heavy tin plate, gilt band and lettering, round corners, double seamed, tight fitting seamless cover with hinge hasp and staple, ventilation in back, drop wire gilded handles.

BLUE JAPANNED ½ doz. in crate 100 lbs Doz

T2372 14x10x6 **$8.90**
T2373 16 x 11 x 6½ **10.50**
T2374 18 x 12 x 7 **11.75**

T2384 ½ sizes, 1 each of 14x10x6½, 15½x11¼x10½ and 17½x12¾x10¾ in nest. NEST of 3 **$2.85**

WHITE JAPANNED—½ doz in crate, 13½ to 22 lbs. Doz

T2672—14x10x6½ **$8.90**
T2673—15½x11½x10½ **10.50**
T2674—17½x12¾x10¾ **11.75**

T2684—3 sizes, 1 each of 14x10x6½, 15½x11¼x10½ and 17½x12¾x10¾ in nest. NEST of 3 **$2.85**

FAST SELLER

CANISTER SET

4 Pieces

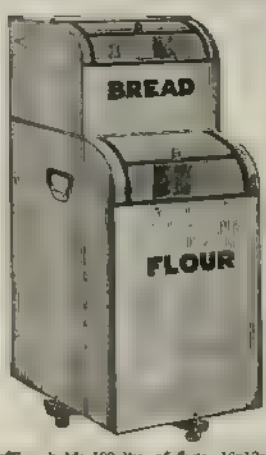
Every woman wants a canister set. Thanks to our ability to crowd down prices every woman can have one. Once a merchant starts on these he finds he needs a lot.

T240 4 pieces, 7 [illegible]x7 in. flour canister 6¾x8½ in. spice [illegible] in. coffee 5½x4 in. tea white japanned, gold enamel gold letters, tight fitting covers 1 doz. sets nested in crate 54 lbs Doz sets **$7.95**

JAPANNED PANTRY SET

T2280—5 pieces, 4½ x 5½ in. tea canister, 6½x3½ in. coffee canister, 7½ x 7½ in. sugar box, [illegible]x8 in. flour box, 15½x9½ in. bread box heavy coated white japanned on body tin, assorted lettering slip covers, bread box with hinge hasp and staple each piece wrapped and packed 1 set in crate SET 5 pcs **$1.75**

BLUE JAPANNED FLOUR AND BREAD BOX



Holds 100 Lbs. of Flour

T368—16x18½x27 in. holds 100 lbs. of flour, 10x12x12 bread compartment, heavy coated blue japanned finish or heavy tin base, gilt lettering and ornaments, rounded and riveted body, all tops and bread and flour compartments, sliding tray in bread box, oak wood stand with rollers. 1 in crate, wrapped 57 lbs., Each **$9.50**

EMBOSSED COMB CASES

T431—3 designs, 6x7½ in., fancy embossed bright tin, IC plate. Assid 1 doz in carton, 6 lbs Doz **$1.20**

T432—3 designs, 8½x7½ in., fancy embossed IX tin, nickel plated, with mirror. Assid. 1 doz in box. . . . . Doz **$1.95**

JAPANNED LUNCH BOX

T2000—7x4¼x4¼ IC tin plate japanned red light green and light gray, double seamed, hinge cover, double drop handles. Assid 2 doz. in carton. 18 lbs.... Doz **$2.10**
6 doz. lots. " **1.90**

COPPER TEA KETTLES

Nickel Plated

Seamless 14 oz copper body, heavily nickeled polished seat [illegible] finish, [illegible] wire, steel wire bail black enameled wood handle, spout double seamed to body, edges curled, each in box also ½ doz. in carton

	Mfrs Trade Act.	Wt. lbs.	Doz
T477—	5 qt. 5 qt.	11	**$14.50**
T478—	6 " 6 "	13	15.75
T479—	7 " 7 "	15	17.75

JAPANNED CHAMBER PAIL

T2022—Trade 10 qt., actual 8 qt. Assid. green, maroon and blue japanned inside and out, tight fitting cover, wire bail, black enameled wood handle, wrapped, ½ doz. in crate, 17 lbs.....Doz **$4.80**

JAPANNED CASH BOXES

Heavy tin plate, olive green japanned, stenciled in gold and red, marble handle, protected lock, 2 keys, 6 doz in pkg

T2041 6 [illegible]x3¾, Doz **$7.80**
T2042 [illegible]x3¾x1¾, " **9.50**
T2043—11¼x8¾x4¾ " **10.50**

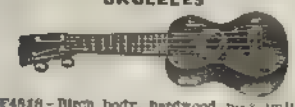
Listen In!

Are you in on Radio? Many just show an outfit and take orders. Turn to the index for the greatest line of receiving sets and supplies in America.

MUSICAL GOODS

First-class, standard instruments carefully selected for quality and tone. The highest grade instruments you'll find anywhere at these prices

UKULELES



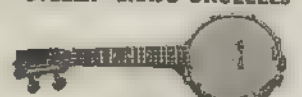
1F4618—Birch body, hardwood neck imitation koa stain finish, satura[illegible] finish keys. 1 in carton. Each 1.85

1F4620—Birch body and neck imitation koa stain finish, extension finger board, maroon lines inlaid around sound hole, 12 frets. Each 2.50

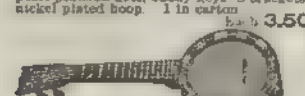
1F4621—Solid mahogany body, finished in rich, rosewood color, extension finger board, 2 white lines inlaid around sound hole, ebony keys. 1 in carton. Each 3.50

1F4623—Swelled back, genuine Hawaiian koa wood, ebony extension finger board, patent keys. The sound hole around the top edge and a strip down the back are inlaid with checkered black and white marquetry. An instrument constructed and built for the professional ukulele player. 1 in carton. Each $6.00

"STELLA" BANJO UKULELES

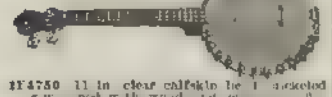


1F4709—7 in. calfskin head, wood rim, mahogany neck and finger board, inlaid with 3 pearl position dots, ebony keys, 8 brackets, nickel plated hoop. 1 in carton. Each 3.50



1F4811—California style, 7 in. calfskin head, raised back, wood rim of mahogany and maple blocks alternately joined, [illegible] polished finish, patent inside [illegible] rim of satin effect, rosewood pegs, all metal parts nickel plated. 1 in carton. Each 5.50

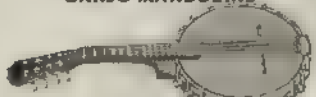
"STELLA" TENOR BANJOS



1F4750—11 in. clear calfskin head, [illegible] neck with wood [illegible] inlaid [illegible] polished mahogany finished finger board with pearl position dots, [illegible] pegs, white composition keys. 1 in carton. Each 8.25

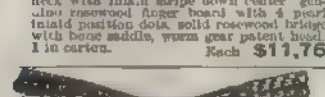
1F4741—11 in. top grade clear calfskin head, [illegible] maple rim highly polished with 4 ebony inlaid stripings, [illegible] bottom, 20 nickel plated brackets, genuine maple neck with ebony stripe down center, ebony finger board with 7 inlaid pearl position dots, patent champion pegs with white composition keys. 1 in carton. Each 12.00

BANJO MANDOLINS



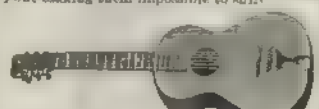
1F4796—Stella" [illegible] clear [illegible] head, [illegible] wood [illegible] ebony [illegible] 20 nickel plated brackets, [illegible] neck, rosewood finger board with [illegible] pearl position dots, patent head with white composition keys. 1 in carton. Each 8.00

1F4797—"Stella," professional model, 10 in. high grade clear calfskin head, heavy maple rim, 5 ply walnut body with 4 inlaid ebony stripings, ebony bottom, solid maple neck with inlaid stripe down center, genuine rosewood finger board with 4 pearl inlaid position dots, solid rosewood bridge with bone saddle, worm gear patent head. 1 in carton. Each $11.75

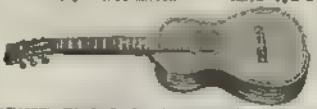


"STELLA" GUITARS

Well known standard make. Construction and finish unexcelled, all with double backs, ebonized or ebony oval finger boards inlaid with pearl position dots, worm gear patent heads, necks inserted with dove-tails, [illegible] making them impossible to shift.



1F4778—Birch body, imitation koa finish, white spruce top, 5 lines variegated inlaid sound hole, ebon[illegible] finish finger board with 3 inlaid pearl position dots, mahogany finish neck, nickel plated tail piece and patent head with white composition keys. 1 in carton. Each 4.00



1F4777—Birch body, imitation koa finish, white spruce top, round hole [illegible] bound with white [illegible] [illegible] [illegible]

FIELDERS' GLOVES
GROVER C. ALEXANDER, AUTOGRAPHED

A strictly professional speed model made as specified by Alexander the Great. Only the best grade brown selected horsehide is used cut from the center of the hide, the most durable and smoothest part. Has the highest grade extra selected pearl horsehide lining. Black rolled leather bound throughout. Brown horsehide leather laced heel. Brown leather welted seams. Double sewed throughout with the finest grade extra strength linen cord. Leather loops on thumb and fingers with brown horsehide leather adjustable lace, giving utmost freedom of motion to thumb and finger. The inside pad is entirely made of a double layer of full fleeced lining. The thumb, little finger and heel are one piece of the best grade asbestos felt, the heel being built up with extra asbestos felt, giving a deep pocket. The entire glove is softened and dressed with the famous Hartman Premier oil, making it pliable and flexible, ready for instant use. Made on a large generous pattern.

	Each
No. 8042 —Left hand	$7 00
No. 8042RH —Right hand	7 00

One in a Box

TRIS SPEAKER, SPEED MODEL

Made of extra selected, fine grade brown horsehide, roll leather bound, leather laced heel, leather laced adjustable thumb and finger, leather welted seams, full lined with the finest quality brown glove leather. The inside pad has full fleeced lining with one piece asbestos felt thumb, little finger and heel. The heel is built up with felt to give a good deep pocket. This glove is made on an extra large professional pattern. The entire glove is softened and dressed with the famous Hartman Premier oil, making it soft and pliable, ready for instant use. Carefully made and rigidly inspected, this model is without doubt one of the most popular gloves made by us. Used by many professional players.

	Each
No. 8034 —Left hand	$6.50
No. 8034RH—Right hand	6.50

One in a Box.

FIELDERS' GLOVES
TY COBB, AUTOGRAPHED SPEED MODEL

Used and recommended by the famous playing manager of the Detroit American League club. Made of the finest extra selected brown horsehide throughout. Has extremely short fingers, with an extra large deep pocket palm. Leather laced adjustable thumb and finger. Leather welted seams and leather bound. Extremely light padded in the palm. Sewed throughout with the best grade linen cord. Inside pad of the best grade asbestos felt. Made on a large generous pattern. The entire glove is dressed and softened with the famous Hartman Premier oil, thus making it ready for instant use. Entirely lined with a special grade of glove leather.

	Each
No. 8045 —Left hand	$6 50
No. 8045RH Right hand	6 50

One in a Box

SPEED MODEL

No. 8031

Extra large professional model made of selected tan horsehide, soft and pliable. Olive leather welted seams, tan leather bound, tan leather heel, full lined with soft glove leather, has our special deep pocket feature. One of the most popular semi-professional models made. Careful workmanship assures a first class article.

	Each
No. 8031 —Left hand	$4.00
No. 8031RH—Right hand	4.00

Extra large professional model made of the finest black horsehide. The leather is soft and flexible therefore requires no breaking in. Brown leather welted seams. Brown leather laced heel. Full lined with the best grade brown glove leather. Brown leather bound. Built up to give a deep pocket. A popular semi-professional model. The careful workmanship assuring a perfect article.

	Each
No. 8032 —Left hand	$4.00
No. 8032RH—Right hand	4 00

One in a Box

TRIS SPEAKER SPEED MODEL

Made of black horsehide on a full size pattern. White leather welted seams and white leather bound, black leather faced heel, web thumb and finger, full lined with black glove leather. In every way a high grade article, one that is extremely popular among semi-professionals.

	Each
No. 0945 —Left hand	$3.50
No. 0945RH—Right hand	3.50

ALCOHOL STOVES AND ACCESSORIES

STERNO

STOVES

Polished aluminum boiler and cover, nickel plated collapsible stand. Diam boiler 5 ins; depth 2⅜ ins; complete with can of heat.

	Per Doz
No. H50—Wire folding handles	$12 60
No. H100—Removable ebonized wood handle and knob	25 20

No. H50 one in counter display box, No. H100 one in carton; wt per doz 12 lbs.

Folding.

Blued sheet steel. Folds flat when not in use. Complete with wind deflector to protect flame, nickel plated extinguisher and a can of heat.

	Per Doz
No. H36—Size 6½ x 6½ ins; height 4 ins	$6 30

One in carton; wt each 1 lb.

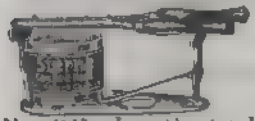
STOVES, TWO BURNER

Sheet steel black enameled finish. Portable folds flat when not in use. Complete with windshield to protect flame and fire extinguisher.

	Per Doz
No. 4042—Length 16 ins; width 8 ins; height 4½ ins	$50 40

One in carton; wt per doz 36 lbs.

CURLING IRON HEATER SETS



Set consists of three pieces, 3 ounce can Sterno heat, nickel plated sheet steel folding stand and curling iron.

	Per Doz
No. H41—Length stand 6 ins; height 2½ ins; length curling irons 7⅞ ins	$6 60

One in cardboard box; wt per doz 4½ lbs

MILK WARMERS

Brass, nickel plated; consists of three pieces in and outside shell of milk warmer and base.

Complete with extinguisher and can of heat.

	Per Doz
No. 5019—Height over all 9 ins	$38 25

One in carton; wt per doz 24 lbs.

EXTRA CANNED HEAT

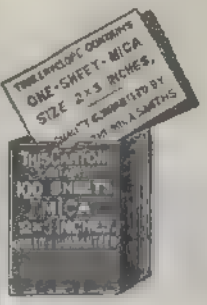
Solidified Alcohol.

Non-explosive, odorless paste like cream; easily ignited, burns steadily and intensely, producing great heat. Convenient for use in sick room, nursery, kitchenette or for outdoor use on motor or camping trips.

Nos.	4006	
Contents, ozs	3	6
Wt per doz, lbs	2¼	4½
Per Doz	$2 85	6 60

One doz in counter display box.

MICA



No. 1, First Quality.

Extra care is used in our selection, and the quality in No. 1 is all the grade implies. Packed one sheet in an envelope, 100 sheets in a cardboard box. This is the most convenient way for the dealer to carry a stock of mica, as there is no loss from splitting.

Nos.	1-23	1-2½3
Size sheet, ins	2x3	2½x3
Per Sheet	$0 06	09
Per 100 Sheets	4 80	7 50

Nos.	1-2½3½	1-2½4
Size sheet, ins	2½x3½	2½x4
Per Sheet	$0 10	12
Per 100 Sheets	8 70	11 25

Nos.	1-33	1-34	1-35	1-3½3½	1-3½4
Size sheet, ins	3x3	3x4	3x5	3½x3½	3½x4
Per Sheet	$0 12	19	22	19	22
Per 100 Sheets	11 25	17 40	21 00	18 00	21 00

Nos.	1-3½4½	1-44	1-45	1-46	1-57
Size sheet, ins	3½x4½	4x4	4x5	4x6	5x7
Per Sheet	$0 26	26	31	57	98
Per 100 Sheets	24 45	24 45	30 00	54 00	93 00

One sheet in envelope, 100 sheets in cardboard box; wt per box about ¼ lb.

No. 2, Second Quality.

No. 2 second quality put up in ¼ pound blocks, wrapped. Will not sell less than ¼ pound.

Nos.	2-23	2-2½3	2-2½3½	2-2½4
Size sheet, ins	2x3	2½x3	2½x3½	2½x4
Per Lb	$12 75	16 50	18 00	19 80

Nos.	2-33	2-34	2-35	2-3½3½
Size sheet, ins	3x3	3x4	3x5	3½x3½
Per Lb	$19 80	24 75	26 25	24 75

Nos.	2-3½4	2-45	2-46	2-57
Size sheet, ins	3½x4	4x5	4x6	5x7
Per Lb	$26 25	30 00	39 00	54 00

Packed in ¼ lb blocks, wrapped.

ASSORTMENTS

Consists of the following:

25 sheets 2x3 inches.	5 sheets 3x3½ inches.
15 sheets 2x4 inches.	20 sheets 3x4½ inches.
15 sheets 2½x4 inches.	10 sheets 3½x6 inches.

	Per Ass't
No. 100—100 sheets as described above	$13 20

One ass't in cardboard box; wt per ass't ¼ lb.

SOOT DESTROYER

CARBONOID

A non-explosive, harmless preparation. Removes and consumes all soot in furnace, stove, range, boilers, flues, chimney or pipes also saves fuel.

Nos.	C14	C32	C80
Contents can, lbs	1	2	5
Doz in case	4	2	1
Wt per case, lbs	50	53	64
Per Doz	$4 65	9 45	18 90

D 8

FURNACE CEMENT

ASBESTOS

For mounting and packing joints and seams in stoves, furnaces, heaters, ranges, etc., to make them gas tight. Composed of asbestos, is fire and acid proof and adheres firmly. Sets in a few hours. Odorless.

Nos.	101	105
Contents, lbs	1	5
Doz in case	3	½
Wt doz, lbs	13	6
Per Doz	$3 60	13 50

ASBESTOS STOVE LINING CEMENT

COLEBROOK'S CROWN

A plastic, durable, fireproof mixture for making and repairing linings in coal stoves, furnaces and ranges. Will not crack or crumble from heat.

No.	H3
Lbs to pkg	3
Wt per case, lbs	72
Per Doz, Pkgs	$7 50

Two doz in case.

STOVE PUTTY

For filling joints or seams in stoves and furnaces, paste form, apply with putty knife or fingers, used by stove men and plumbers, it prevents escape of smoke or gas.

Nos.	1	5
Contents, lbs	1	5
Doz in case	2	½
Wt case, lbs	40	65
Per Doz	$3 90	15 00

IRON ENAMEL

Produces a brilliant, jet black finish, for use on stove pipe, steel range bodies, sewing machine frames, or any wood or iron work where a rich black finish is desired. Packed in a pasteboard display box. In friction top cans. Per Doz

No. 15—Contents ½ pt..... $5 10

One doz in cardboard box; wt per doz 7½ lbs.

SHINON

A jet black, high gloss finish for fenders, grate fronts, coal hods, agricultural implements, machinery and wagon iron work. Dries quickly with a glossy, jet black surface, elastic and hard. Does not chip or mar. In friction top cans. Per Doz

No. 14—Contents ½ pt..... $3 81

One doz in cardboard box; wt per doz 6½ lbs.

BLACK SILK

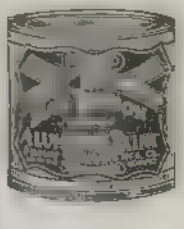
Produces a black, silky, hard finish. For use on grates, fenders, stove pipes, ranges, heating stoves or for any purpose where a permanent finish is desired. In friction top cans, contents ½ pt. Brush furnished with each can.

No.	1BS
In full cases of 1 doz, Per Doz	$5 85
In full cases of 8 doz, Per Doz	5 55

Wt per doz 8 ozs.

ALUMINUM PAINT

—BLUE RIBBON—



Produces a brilliant and lasting aluminum finish. For use on heating stoves, ranges, or any iron or wood work.

Nos.	1	2	3
Contents, pt	¼	½	1
Wt doz, lbs	4	9	13½
Per Doz	$6 30	12 00	22 95

Quarter pt cans, 1 doz in cardboard box; ½ pt cans, 1 doz in wood box; 1 pt cans, packed loose.

GAS RANGE DRESSING

BLACK SILK

Produces a jet black silky finish to all iron or steel surfaces. Non-inflammable. May be applied with brush or rag. Especially adaptable for gas stoves and ranges. In screw top cans.

Per Doz

No. RG7—Contents 6 ozs..... $7 05

Two doz in case; wt per doz 12 lbs.

GAS RANGE POLISHING OIL

BLACK SILK

Prevents spotting of range after having been polished. Keeps the finish always clean. Non-inflammable. Gives a jet black silky finish. In screw top cans.

Per Doz

No. 9—Contents 6 ozs..... $6 30

Two doz in case; wt per case 12 lbs.

STOVE POLISH

—BLUE RIBBON—

Made of the very best materials. Produces a beautiful jet black finish without dust or odor, and preserves iron and steel from rust.

—BLUE RIBBON—

Liquid.

Non-explosive; absolutely fire proof. In friction top cans. Contents ½ pt; 8 ozs net.

No.	12
Less than case lots, Per Doz	$4 11
Case lots, Per Doz	3 90

(Sold in full case lots only).

Three doz in case; wt per case 30 lbs.

—BLUE RIBBON—

Paste.

Non-explosive, absolutely safe. In friction top cans.

Per Doz

No. 108—Contents 10 ozs net..... $3 60

Sold in full case lots only).

Three doz in case; wt per case 35 lbs.

-BLUE RIBBON—

Benzine Paste.

In friction top cans.

Per Can

No. 25—Contents 5 lbs..... $2 85

Half doz in case; wt per case 30 lbs.

Genuine

Stillson

Suits

Montgomery Ward & Co. Is The Only Store In The World Selling Genuine Stillson Suits

$17.85 Men's Stillson Suit

Stillson

$17.85 Young Men's Stillson Suit

$8.65 Boys' Stillson Suit

Boys' Stillson Suit

A Fine School Suit because of its excellent wearing qualities and fine appearance. The style is Norfolk mode, with its four big pockets with button down flaps and all around belt in just what most boys prefer.

Seat crotch and seams double sewed and taped. All seams strongly sewed to prevent ripping. Pockets and strain points strongly bar tacked to guard against ripping. Strong durable coat lining. Seat is made extra strong throughout and will outwear two or three ordinary suits.

See Page 248 for Size Scale of Boys' Suits

SIZES 6 to 16 years. State size wanted. Read "How to Order" on Page 264.

With One Pair Knickers		With Two Pairs Knickers	
40C 3215 Navy Blue		40C 3222 Navy Blue	
40C 3216 Dark Brown		40C 3227 Dark Brown	
OR		OR	
Postage 12c extra	$8.65	Postage 14c extra	$10.95

Men's Stillson Suit

Made on the popular three button sack model. Seams sewed with silk thread. Coat is full lined with guaranteed serge, and properly shaped with canvas and hair cloth stiffening. Sleeves are lined with good grade twill. Collar hugs the neck snugly and lapels lay smoothly. The vagous pockets are reinforced and all seams are strongly sewed and bound to guard against ripping and to prevent travel up.

Trousers have cuff bottoms and are bar tacked. Vest is five button style. Trousers are well made with reinforced crotch and are formed to fit the body perfectly.

SIZES 33 to 44 inches chest measure. Waist, 29 to 42 inches. Inseam, 30 to 35 inches. State measurements. Read "How to Order" on Page 265.

With One Pair Trousers		With Two Pairs Trousers	
39C 1032 Navy Blue		39C 1027 Navy Blue	
39C 1035 Dark Brown		39C 1051 Dark Brown	
39C 1038 Dark Grey		39C 1054 Dark Grey	
Postage, 17c ex	$17.85	Postage, 22c ex	$23.50

YoungMen'sStillsonSuit

This model will appeal to younger men. Made with 3 button semi form fitting coat with patch pockets. The lining is in the sleeves style which is so popular with the younger men. Seams sewed with silk thread. All seams reinforced to guard against ripping. Coat is lined with fancy sleeve.

Trousers have cuff bottoms and bar tacked belt loops. Vest is five button style. Coat collar hugs the neck snugly, and the front will hang smooth and straight. You can order this suit and be sure of correct style and exceptionally long wearing qualities.

SIZES 34 to 42 inches chest. Waist, 29 to 38 inches. Inseam, 29 to 33 inches. State measurements. Read "How to Order" on Page 265.

With One Pair Trousers		With Two Pairs Trousers	
39C 1602 Navy Blue		39C 1648 Navy Blue	
39C 1605 Dark Brown		39C 1651 Dark Brown	
39C 1608 Dark Grey		39C 1654 Dark Grey	
OR		OR	
Postage, 17c ex	$17.85	Postage 16c ex	$23.50

Genuine English Overcoat

Made in England and Imported Direct

All Wool — Finely Tailored

SPECIAL BARGAIN

$25.00

39 C 2705

$7.98

"Academy" Model for Boys

This is the first time in many years that we have been able to sell boys' All Wool Overcoats at $7.98. The Academy model is tailored in our own shops, and a coat of this kind usually sells at retail for from $10 to $12.

We know by experience that the 20-22 ounce cotton cloth used for making boys' overcoats selling at our price is less every good quality that an overcoat material should have —warmth, fine finish and heavy enough to wear like iron.

Double breasted with all around belt, two roomy pockets and a big warm ulster collar. Full lined with good quality serge. Choice of dark brown mixture which makes the Academy model portrays any suitable for school wear.

SIZES 7 to 14 years
Waist size wanted. Read "How to Measure" on page 24.

40 C 3015 — Dark Brown Mixture only

PRICE, $7.98
Postage, 14c extra

English Overcoat in Dark Brown

Less Than Half The Usual Retail Price

Length 48 Inches

39 C 2701

Genuine "Thornbury" Model in Warwick Blue or Dark Brown

THIS fine All Wool English Ulster, made in England from a soft, warm English woolcloth, is the very newest style overcoat that created such a sensation last fall when we first introduced it to our customers. It was the biggest value in our catalogue. That is exactly what thousands of our customers said after they had received and examined these fine overcoats in their own homes. Our entire stock was sold in 90 days, and we received only the highest praise on the quality and style. For the season we have purchased seven thousand more direct from the English manufacturers.

The Kind That Retails for at Least $50

To prove our claims about this stylish, warm, imported coat, we have visited some of the leading retail clothing stores in the country and tried to buy a similar English coat. To match this coat for quality material and workmanship we had to pay at retail from $50 to $60, which convinces us that this Thornbury model is the greatest overcoat value offered in America. We want you to be the judge.

How This English Overcoat Is Made

When you see this stylish imported coat, feel the soft, warm material, notice the fine tailoring and observe the perfect fit and comfort, you will realize at once why it is so popular with our customers and would undoubtedly buy one immediately at our low price of $25.

Popular ulster style, full 48 inches long, to cover your knees when you sit down, a big advantage all automobile owners will appreciate. Made in England by English weavers from All Wool English overcoating weighing full 32 ounces to the yard. Big roomy, double breasted with a big ulster collar, and full lined back. Bartacked pockets and roomy sleeves. Yoke and sleeves are lined with high quality imported twilled venetian which has a soft satiny finish and is "wear like iron."

I have English overcoats are not so full that we recommend your ordering the same size as the suit you wear. For instance if you wear a 38 suit coat order a 38 overcoat. Not too full. Then you will have a comfortable, well fitting overcoat.

Your Choice of Two Popular Colors

This season we are offering these imported overcoats in two popular colors, the very fashionable Warwick blue—a dark smoke blue; and the ever popular dark brown mixture. We suggest that you order yours early to be absolutely sure of getting one of these fine English coats at less than half the usual retail price.

Order Same Size as the Suit You Wear

SIZES Chest, 34 to 44 inches
State chest measure wanted.

39 C 2706 Warwick Blue — $25.00
39 C 2701—Dark Brown — $25.00
Postage, 34c extra

35.00 "Sheridan" Model

All Pure Virgin Wool

Hand Tailored—Skinner's Satin Lining

A stylish Overcoat for the younger man who wants to dress right up to the minute. Our noted Sheridan model is made from 32 ounce All Wool overcoating in a warm plaid with enough color through the cloth to make it attractive. Has the popular raglan sleeves, two roomy pockets and a three piece belt which can be taken off if you prefer. Roomy sleeves with cuffs. Back has inverted pleat extending from between shoulders to bottom of overcoat. Yoke and sleeves are lined with the famous Skinner's Satin. Length, about 46 inches. Your choice of two colors.

SIZES Chest, 34 to 44 inches
State chest measure wanted

35 C 2843 — Dark Brown Mixture with Overplaid.
35 C 2847 — Bluish Gray Mixture with Overplaid.

PRICE, $35.00
Postage, 36c extra

CKSB

STONE WARE

MILK PANS OR CROCKS

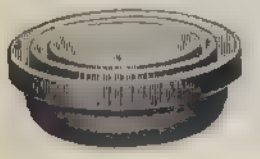
Glazed all white; pan covers for one gallon pans count as one gallon each.

Nos.	GW½	GW1	GW2
Cap, gals	½	1	2
Wt each, lbs	3	4	8
50 to 99 gal lots, Each	+$0 45	+56	+1 08
100 gal lots or more, Each	+ 42	+53	+1 05

MILK PANS OR CROCKS

Glazed all black; pan covers for one gallon pans count as one gallon each.

Nos.	GB½	GB1	GB2
Cap, gal	½	1	2
Wt each, lbs	3	4	8
50 to 99 gal lots, Each	+$0 45	+56	+1 08
100 gal lots or more, Each	+ 42	+53	+1 05



BAKE PANS

White lined; blue mottled outside.

Nos.	7	9	11
Diam, ins	7	9	11
Wt per doz, lbs	16	28	40
Less than 1 doz, Per Doz	+$3 30	+4 50	+6 60
1 doz or more, Per Doz	+3 15	+4 26	+6 30

Packed loose.

MIXING BOWLS

White lined; blue mottled outside.

Nos.	7	9	11
Diam, ins	7	9	11
Wt per doz, lbs	16	32	45
Less than 1 doz, Per Doz	+$3 96	+7 38	+12 00
1 doz or more, Per Doz	+3 78	+7 05	+11 40

HIGH BUTTER JARS

Glazed black inside and black and white outside. Suitable for putting up preserves, jellies, fruits and kraut as well as butter. Covers to fit 1 and 2 gallon jars, count as one gallon; covers to fit 3 and 4 gallon jars, count as 1½ gallons. Covers to fit 5 and 6 gallon jars count as 2 gallons. With or without covers. Unless otherwise specified will send without covers.

Nos.	J½	J1½	J1	J2	J3	J4	J5	J6
Cap, gals	¾	½	1	2	3	4	5	6
Height, ins	5¼	6	7¼	9⅜	10¾	11¾	13⅜	13¾
Diam, ins	4⅞	6	7¼	9¼	10¼	11½	11⅞	12¾
Wt ea, lbs	1¾	2½	4	8	12	16	20	24
50 to 99 gal lots, Ea	+$0 25	+38	+49	+99	+1 53	+1 86	+2 31	+2 79
100 gal lots or more, Ea	+ 22	+35	+46	+96	+1 50	+1 83	+2 28	+2 76

Packed loose.

COVERS FOR ABOVE JARS

Nos.	CJ1	CJ2	CJ3	CJ4	CJ5	CJ6
For jars, gals	1	2	3	4	5	6
50 to 99 gal lots, Each	+$0 53	+53	+74	+74	+96	+99
100 gal lots or more, Each	+ 50	+50	+71	+71	+96	+96

+F. O. B. Kentucky Factory Only.

STONE WARE

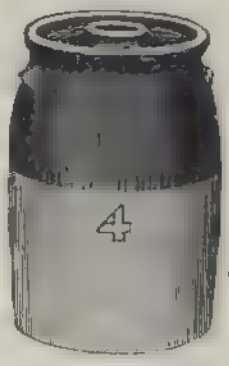
HIGH BUTTER JARS

Glazed black inside and white outside. Covers to fit 8, 10 and 12 gallon jars count as 3 gallon each, of size ordered; covers to fit 15 and 20 gallon jars count as 4 gallon each, of size ordered.

Nos.	J8	J10	J12	J15	J20
Cap, gals	8	10	12	15	20
Height, ins	16	17	18½	21	21½
Diam, ins	13½	15½	15½	16½	18½
Wt each, lbs	32	40	48	60	80
50 to 99 gal lots, Each	+$4 50	+5 55	+6 30	+9 15	+12 30
100 gal lots or more, Each	+ 4 20	+5 25	+6 00	+8 70	+11 70

COVERS FOR ABOVE JARS

Nos.	CJ8	CJ10	CJ12	CJ15	CJ20
For jars, gals	8	10	12	15	20
50 to 100 gal lots, Each	+$1 62	+1 62	+1 62	+2 43	+2 43
100 gal lots or more, Each	+ 1 59	+1 59	+1 59	+2 40	+2 40



CHURNS

Glazed black inside and black and white outside; churn lids to fit from 2 to 6 gallon churns count as one gallon each. Churns do not include dashers. Prices include covers. If wanted without covers so indicate and deduct price of cover.

Nos.	C2	C3	C4	C5	C6
Cap, gals	2	3	4	5	6
Height, ins	12	14½	15½	16½	17
Diam, ins	8½	10	10½	11	11½
Wt each, lbs	9	14	18	22	26
50 to 99 gal lots, Each	+$1 62	+2 22	+2 76	+3 30	+3 84
100 gal lots or more, Each	+ 1 56	+2 10	+2 61	+3 12	+3 63

CHURN COVERS

STONE

Nos.	C02	C03	C04	C05	C06
For stone churns, gals	2	3	4	5	6
50 to 99 lots, Each	+$0 56	+56	+56	+56	+56
100 or more, Each	+ 53	+53	+53	+53	+53

WOOD

Yellow poplar, smooth finish.

Nos.	H5	H6	H7	H8
For stone churns, gals	2	3&4	5	6&8
Wt per doz, lbs	3¼	5½	8	12
Per Doz	$4 80	5 10	5 40	5 55

Packed loose.

+F. O. B. Kentucky Factory Only.

STONE WARE

CHAMBERS

All White.

Large Size, without Cover.

No.	9CW
Less than 1 doz, Per Doz	+$10 20
1 doz or more, Per Doz	+ 9 75

Children's Size, without Cover.

No.	12CW
Less than 1 doz, Per Doz	+$7 95
1 doz or more, Per Doz	+ 7 20

Large Size, with Cover.

No.	9CWC
Less than 1 doz, Per Doz	+$15 00
1 doz or more, Per Doz	+ 14 25

Blue Mottled.

Large Size	Without Cover	With Cover
No.	9CBM	9CBMC
Less than 1 doz, Per Doz	+$10 80	+15 75
1 doz or more, Per Doz	+ 10 20	+15 00

Children's Size, without Cover.

No.	12CBM
Less than 1 doz, Per Doz	+$8 40
1 doz or more, Per Doz	+ 7 80

Packed loose; wt per doz, lbs, large size 65, small size 36.

CUSPIDORS

Blue mottled outside, white lined inside.

Nos.	CUS
Less than 1 doz, Per Doz	+$6 60
1 doz or more, Per Doz	+ 6 30

Wt per doz 24 lbs.

FLOWER POTS

Embossed.

Well burned to a rich red color.

POTS ONLY

Nos.	Less than 100, Per 100	Not less than 100, straight or asst, Per 100	Diam, ins	Wt per 100, lbs
FP3	+$ 4 50	+$ 4 26	3	39
FP4	+ 6 90	+ 6 60	4	90
FP5	+ 12 60	+ 12 00	5	150
FP6	+ 18 60	+ 17 70	6	265
FP7	+ 31 20	+ 29 70	7	456
FP8	+ 45 00	+ 43 05	8	540
FP9	+ 69 30	+ 66 00	9	870
FP10	+ 93 75	+ 89 25	10	1040
FP12	+190 80	+181 80	12	1920
FP14	+312 75	+297 75	14	2960
FP16	+694 50	+661 50	16	4200

SAUCERS ONLY.

Nos.	Less than 100, Per 100	Not less than 100, straight or asst, Per 100	Diam, ins	Wt per 100, lbs
FS3	+$ 4 14	+$3 96	3	36
FS4	+ 5 16	+ 4 92	4	48
FS5	+ 6 90	+ 6 60	5	72
FS6	+ 10 08	+ 9 90	6	102
FS7	+ 13 86	+13 20	7	126
FS8	+ 19 05	+18 15	8	174
FS9	+ 25 95	+24 75	9	240
FS10	+ 31 20	+29 70	10	282
FS12	+ 46 80	+44 70	12	396
FS14	+ 78 00	+74 40	14	950
FS16	+104 25	+99 00	16	1200

+F. O. B. Kentucky Factory Only.

RIDDLES

HARDWARE

Iron wire bottom; three heavy wire bottom braces smooth reinforced hardwood frame, 17½ in. diameter; 4½ in. high.

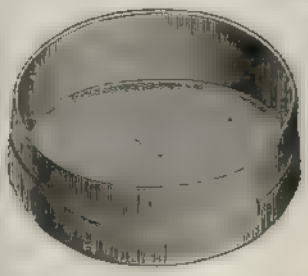
No. 4R best size for coarse sand; Nos. 5R and 6R best size for medium sand; Nos. 7R, 8R and 10R best size for fine sand and cleaning wheat and oats.

Nos.	2R	3R	4R	5R	6R
Mesh to in	2	3	4	5	6
Per Doz	$24 75	24 75	24 75	24 75	24 75

Nos.	7R	8R	10R	12R
Mesh to in	7	8	10	12
Per Doz	$24 75	24 75	24 75	24 75

One doz in bundle; wt per doz 32 lbs.

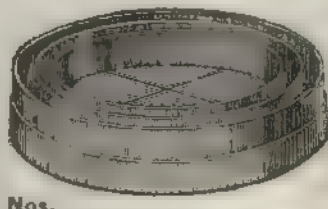
SIEVES



Wood rim, steel wire bottom, 2 wire bottom braces. Bottom laced to plain reinforced elm wood frame; diameter 12 inches; depth 3 ½ inches

Nos.	4W	6W	7W	8W
Actual mesh to in	14	16	18	20
Per Doz	$9 90	10 50	10 80	11 10

Nos. 7, 8, 12 two doz in crate; Nos. 2, 4, 6, two doz in crate, assorted; wt per doz 7 lbs.



Wood rim, nested. Steel wire bottom, bottom laced to plain reinforced elm wood frame; nest consists of 3 sieves, 1 each 10, 11, and 12 in. diameter; depth 3¼ to 3½ inches. 12 inch have cross wires, 10 and 11 inch plain wires.

Nos.	4N	6N	8N
Actual mesh to in	14	16	18
Per Doz	$7 50	7 95	8 25

One doz (4 nests) in bdle; four doz (48 sieves) assorted in crate, wt per doz 7 lbs.

IC tin rim, steel wire bottom, 2 wire bottom braces; seamed to IC tin rim, rolled edge; diameter 12 inches; depth 2 inches.

Nos.	2T	3T	4T	5T	6T	7T
Mesh to in	14-16	16	16-18	18	18-20	20
Per Doz	$5 85	6 00	6 15	6 30	6 75	7 20

One doz in carton; wt per doz 10 lbs.

STONE WARE

WATER JARS

Glazed black inside and black and white outside; reinforced opening 1¼ inches in diameter to fit standard wood faucet; cover included with each jar.
Wood faucets extra charge.

Nos.	3	4	5	6	8
Cap, gals	3	4	5	6	8
Height, ins	10⅝	11¾	13¼	13¾*	16
Diam. ins	10	14½	11⅞	12¾	13½
Wt each, lbs	14	18	21	27	36
50 to 99 gal lots, Each	+$2 34	+2 72	+3 45	+4 08	+6 30
100 gal lots or more, Each	+2 22	+2 70	+3 30	+3 90	+6 00

Nos.	10	12	15	20
Cap, gals	10	12	15	20
Height, ins	17	18½	21	21½
Diam, ins	15½	15½	16½	18½
Wt each, lbs	45	53	65	85
50 to 99 gal lots, Each	+$7 20	+8 70	+12 00	+15 00
100 gal lots or more, Each	+ 6 90	+8 25	+11 25	+14 25

PRESERVE JARS

With Stone Covers.

Glazed black inside and white outside.

Nos.	½	1	2	3	5
Cap, gals	½	1	2	3	5
Wt each, lbs	3½	5	10	15	25
Less than 1 doz, Per Doz	+$5 40	+7 95	+14 85	+23 10	+36 00
1 doz or more, Per Doz	+ 5 16	+7 56	+14 16	+22 05	+34 50

SHOULDER JUGS

Glazed black on the inside to prevent absorption; glazed black and white on the outside.

Nos.	SJ½	SJ1	SJ2	SJ3	SJ4	SJ5
Cap, gals	½	1	2	3	4	5
Wt each, lbs	3½	5	10	15	19	23
50 to 99 gal lots, Ea	+$0 42	+ 56	+1 08	+1 95	+2 55	+3 24
100 gal lots or more, Ea	+ 39	+ 53	+1 05	+1 92	+2 52	+3 15

GROWLERS

White lined inside; blue mottled outside.
Capacity 5 pints.

No.	GR
Wt per doz, lbs	48
Less than 1 doz, Per Doz	+$7 20
1 doz or more, Per Doz	+ 6 90

+F. O. B. Kentucky Factory Only.

STONE WARE

SALT BOXES

White lined inside; blue mottled outside; stone cover included.

No.	SB
Wt per doz, lbs	38
Less than 1 doz, Per Doz	+$7 35
1 doz or more, Per Doz	+ 7 05

BUTTER JARS

White lined inside; blue mottled outside; with bail and stone cover. Capacity 3 lbs.

No.	3
Wt per doz, lbs	38
Less than 1 doz, Per Doz	+$7 35
1 doz or more, Per Doz	+ 7 05

BUTTER JARS

White lined inside; blue mottled outside; stone cover. Capacity 10 lbs.

No.	10
Wt per doz, lbs	84
Less than 1 doz, Per Doz	+$15 75
1 doz or more, Per Doz	+ 15 00

EWER AND BASIN

Ewer holds 1¼ gallons; basin 15 inches in diameter.

All White.

No.	EBW
Less than 1 doz, Per Doz	+$45 00
1 doz or more, Per Doz	+ 44 25

Blue Mottled.

No.	EBBM
Less than 1 doz, Per Doz	+$46 50
1 doz or more, Per Doz	+ 44 25

Wt per doz 150 lbs.

COMBINETS

White lined inside; capacity 3 gallons.

All White.

No.	WS10
Less than 1 doz, Per Doz	+$24 00
1 doz or more, Per Doz	+ 23 40

Blue Mottled.

No.	BMS10
Less than 1 doz, Per Doz	+$26 40
1 doz or more, Per Doz	+ 25 20

Packed loose; wt per doz 100 lbs.

+F. O. B. Kentucky Factory Only.

STONE WARE

CHAMBERS

All White.

Large Size, without Cover.

No.	9CW
Less than 1 doz, Per Doz	✚$10 20
1 doz or more, Per Doz	✚ 9 75

Children's Size, without Cover.

No.	12CW
Less than 1 doz, Per Doz	✚$7 95
1 doz or more, Per Doz	✚ 7 20

Large Size, with Cover.

No.	9CWC
Less than 1 doz, Per Doz	✚$15 00
1 doz or more, Per Doz	✚ 14 25

Blue Mottled.

Large Size No.	Without Cover 9CBM	With Cover 9CBMC
Less than 1 doz, Per Doz	✚$10 80	✚15 75
1 doz or more, Per Doz	✚ 10 20	✚15 00

Children's Size, without Cover.

No.	12CBM
Less than 1 doz, Per Doz	✚$8 40
1 doz or more, Per Doz	✚ 7 80

Packed loose, wt per doz, lbs, large size 55, small size 36

CUSPIDORS

Blue mottled outside, white lined inside.

Nos.	CUS
Less than 1 doz, Per Doz	✚$6 60
1 doz or more, Per Doz	✚ 6 30

Wt per doz 24 lbs.

FLOWER POTS

Embossed.

Well burned to a rich red color.

POTS ONLY

Nos.	Less than 100, Per 100	Not less than 100, straight or asst, Per 100	Diam, ins	Wt per 100, lbs
FP3	✚$ 4 50	✚$ 4 26	3	39
FP4	✚ 6 90	✚ 6 60	4	90
FP5	✚ 12 60	✚ 12 00	5	150
FP6	✚ 18 60	✚ 17 70	6	265
FP7	✚ 31 20	✚ 29 70	7	4 46
FP8	✚ 45 00	✚ 43 05	8	540
FP9	✚ 69 30	✚ 66 00	9	870
FP10	✚ 93 75	✚ 89 25	10	1040
FP12	✚190 80	✚181 80	12	1620
FP14	✚312 75	✚297 75	14	2900
FP16	✚694 50	✚661 50	16	4200

SAUCERS ONLY.

Nos.	Less than 100, Per 100	Not less than 100, straight or asst, Per 100	Diam, ins	Wt per 100, lbs
FS3	✚$ 4 14	✚$3 96	3	36
FS4	✚ 5 16	✚ 4 92	4	48
FS5	✚ 6 90	✚ 6 60	5	72
FS6	✚ 10 08	✚ 9 90	6	102
FS7	✚ 13 86	✚13 20	7	126
FS8	✚ 19 05	✚18 15	8	174
FS9	✚ 25 95	✚24 75	9	240
FS10	✚ 31 20	✚29 70	10	282
FS12	✚ 46 80	✚44 70	12	396
FS14	✚ 78 00	✚74 40	14	570
FS16	✚104 25	✚99 00	16	1200

✚F. O. B. Kentucky Factory Only.

RIDDLES

HARDWARE

Iron wire bottom; three heavy wire bottom braces, smooth reinforced hardwood frame, 17½ in. diameter; 4¾ in. high.

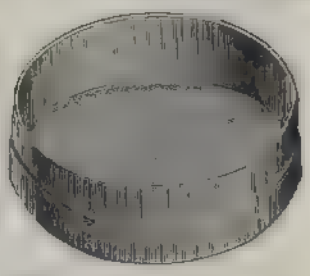
No. 4R best size for coarse sand; Nos. 5R and 6R best size for medium sand; Nos. 7R, 8R and 10R best size for fine sand and cleaning wheat and oats.

Nos.	2R	3R	4R	5R	6R
Mesh to in	2	3	4	5	6
Per Doz	$24 75	24 75	24 75	24 75	24 75

Nos.	7R	8R	10R	12R
Mesh to in	7	8	10	12
Per Doz	$24 75	24 75	24 75	24 75

One doz in bundle; wt per doz 22 lbs.

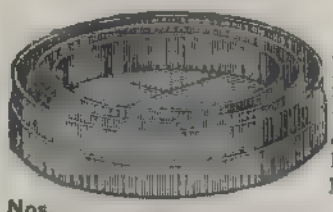
SIEVES



Wood rim, steel wire bottom, 2 wire bottom braces. Bottom laced to plain reinforced elm wood frame; diameter 12 inches; depth 3½ inches

Nos.	4W	6W	7W	8W
Actual mesh to in	14	16	18	20
Per Doz	$9 90	10 50	10 80	11 10

Nos. 7, 8, 12 two doz in crate; Nos. 2, 4, 6, two doz in crate, assorted; wt per doz 7 lbs.



Wood rim, nested. Steel wire bottom, bottom laced to plain reinforced elm wood frame; nest consists of 3 sieves, 1 each 10, 11, and 12 in. diameter; depth 3¼ to 3½ inches 12 inch have cross wires, 10 and 11 inch plain wires.

Nos.	4N	6N	8N
Actual mesh to in	14	16	18
Per Doz	$7 50	7 95	8 25

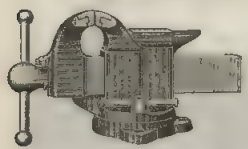
One doz (4 nests) in bdle; four doz (48 sieves) assorted in crate; wt per doz 7 lbs.

IC tin rim, steel wire bottom, 2 wire bottom braces; seamed to IC tin rim, rolled edge, diameter 12 inches; depth 2 inches.

Nos.	2T	3T	4T	5T	6T	7T
Mesh to in	14-16	16	16-18	18	18-20	20
Per Doz	$5 85	6 00	6 15	6 30	6 75	7 20

One doz in carton; wt per doz 10 lbs.

NEW! PARKER "HERCULES" GARAGE VISE



Designed to Meet the Requirements of Service Station and Repair Shop. Equipped with Heavy Anvil, Renewable Steel Jaws, Swivel Base, 360 Degrees Gripping Power, Solid Underportion in Slide. Handle Stays Anywhere You Put it.

Nos.	Wt. Lbs.	Width Jaws Ins.	Jaws Open Ins.	Each
234	80	4	5½	$16.13
235	104	5	6	24.00

Hand Drills Yankee

Specially Adapted for Radio Work. A Small Well Balanced Drill, Geared at 4 to 1 Ratio for Speed. Capacity to Take Largest Drill Usually Supplied with Radio Sets. Length Over All 9½ Ins.

Packed in a Beautiful Display Carton

No.		Each
1431	One in a Box.	$2.00

Double Speed

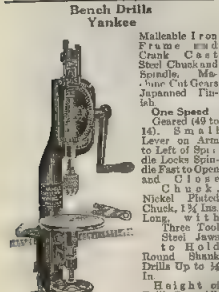
With Right and Left Hand Continuous Ratchet Movement

Polished and Nickel Plated. Three-Jaw Chuck, Body of Which is 2¾ Ins. Long by 1½ Ins. in Diameter. Holds Round Shanks up to 4⅜ Ins.

No.		Each
1545	Three-Jaw Chuck	$6.70
545	Two-Jaw Chuck. Holds Either Round or Square Drills up to ⅜ Ins.	6.70

One in a Cardboard Box

Bench Drills Yankee



Malleable Iron Frame and Crank. Cast Steel Chuck and Spindle. Machine Cut Gears. Japanned Finish.

One Speed Geared (49 to 16). Small Lever on Arm to Left of Spindle Locks Spindle Open and Close Chuck. Nickel Plated Chuck, 1¾ Ins. Long, with Three Tool Steel Jaws to Hold Round Shank Drills Up to ¼ In.

Height of Drill, Over All, 18¾ Ins. Diameter of Table 4¼ Ins., Its Center 2½ Ins. From Face of Slide.

No.		Each
1003	One in a Wood Box	$10.25

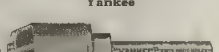
Two Speeds

Cast Steel Chuck and Spindle Nickel Plated. 2¾ In. Chuck. 1⅜ In. Diameter, with Three Steel Jaws to Hold Round Shank Drills up to ½ In.

Height of Drill, Over All, 28 Ins. Diameter of Table 6¾ Ins., Its Center 3½ Ins. from Face of Slide.

No.		Each
1005	One in a Wood Box	$17.25

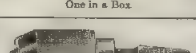
Chucks for Breast and Hand Drills Yankee



Same as Those Used on Yankee Breast and Hand Drills. Simple in Construction, Accurate and Efficient in Use. Made of Steel. Polished, Nickel Plated. Jaws are Hardened Tool Steel. Shanks are Steel

No.	Diam. Ins. Straight Shank	Each
1593	⅛ In.	$1.15
1594	¼ In.	1.45
1595	½ In.	1.85

One in a Box



With Bit Brace Shank

No.		Each
1593BB		$1.15
1594BB		1.45
1595BB		1.85

One in a Box

YANKEE TAP WRENCHES RATCHET

Crossbar is Held Central by Friction Device. Knurled Thumb Piece at Top Affords Ready Means of Starting in and Backing out the Tap Quickly. Cross Arm can be Readily Withdrawn. Occupies Very Little Space. Ratchet and Pawls Made of Tool Steel, Hardened and Tempered. Chuck has Hardened Steel Jaws. Right and Left Hand and Rigid.

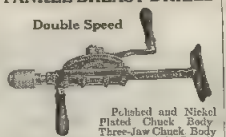
Holds up to ⅜ In. Top Outside Diameter of Chuck, ⅝ In. Length, Over all, 13 Ins.

No.		Each
1251	Holds up to ⅜ In. Taps. Outside Diameter of Chuck, ⅝ In.	$2.10

No.		Each
250	Length Over all 3¼ Ins. Holds up to ¼ In. Taps. Outside Diameter of Chuck ⅝ In.	$1.25
251	Length Over All 8 Ins. One in a Box.	1.85

YANKEE BREAST DRILLS

Double Speed

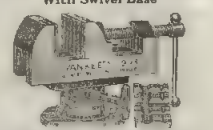


Polished and Nickel Plated Chuck Body Three-Jaw Chuck Body of Which is 2¼ Ins. Long, 1¾ Ins. in Diameter. Holds Round and Square Shanks. Extreme Length 17 Ins. Each

No.		
1565		$7.70
555	Two-Jaw Chuck, Body of Which is 2⅛ Ins. Long. Extreme Length 18 Ins. Each	7.70

One in a Cardboard Box.

YANKEE VISE With Swivel Base



With Swivel Base, While Used on the Bench the Vise Proper Can be Quickly Detached from Base, and Without Removing Work from Vise, Can be Used on Bench Drill, etc. and Returned to Position Again.

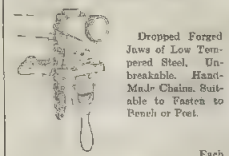
This is a New Feature in Vises and One That Will be Quickly Appreciated by the Best Mechanics Where Work can be Held Rigidly in the Vise and While so Held be Worked on by Either Hand or Machine.

The Upper Part of Swivel Base has a Taper Part to Receive Corresponding End of Vise Proper, and with Set Screw in One End to Force Tapers into Position, Thus Clamping Vise and Base Perfectly Rigid.

No.	With Swivel Base	Each
1991		$2.50
1992		3.75
1993		6.25

One Only in a Box.

VULCAN CHAIN VISE

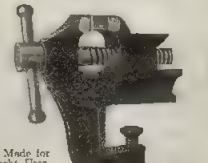


Dropped Forged Jaws of Low Tempered Steel. Unbreakable. Hand-Made Chains. Suitable to Fasten to Bench or Feet.

No.		Each
1V	For Pipe ⅛ to 2 Inches. Wt. 4 Lbs.	$3.32
2V	For Pipe ⅛ to 4 Inches. Wt. 10 Lbs.	7.12

Loose

Bonney Standard Vise

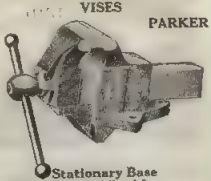


Made for Light Uses. Jaws are Best Grade Grey Iron Carefully Machined, Finished in Black Baking Enamel.

No.	Jaw Ins.	Wt. Lbs.	Each
00	1	1	$ .40
01	1½	1½	.60
02	2	2¼	.87
02½	2½	4	1.17

Two in a Box

VISES PARKER



Stationary Base

Parallel Solid Steel Faced Jaws.

Nos.	Jaw Ins.	Open Ins.	Wt. Lbs.	Each
P102	3½	5¼	25	$ 8.50
P103	3¾	5	31	9.50
P104	4½	6½	48	10.84
P105	4¾	6½	62	13.18
P106	5	7	75	17.00

Loose

Swivel Base

Nos.	Jaw Ins.	Open In.	Wt. Lbs.	Each
P202	3½	5½	28	$11.06
P203	4¼	6	37	12.75
P204	4½	6½	52½	14.45
P206	4¾	6½	66	17.00
P206	5	8	80	25.00

Loose

Parker's Pipe Combination

Swivel Base

Steel Faces are Milled and Fitted to Jaws, and are Renewable.

No.		Each
87	Width of Jaw 3¾ Ins., Open 4¾ Ins., Holds Pipe 2 Ins. and Under. Weight 41 Lbs.	$14.00
88	Width of Jaw 4¾ Ins., Open to 6 Ins., Holds Pipe 3 Ins. and Under. Weight 59 Lbs.	19.80

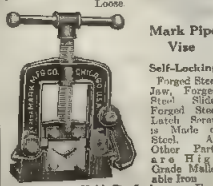
Parker Oval Slide

Cast Iron Japanned Polished Steel Faced Jaws. Polished Steel Screw and Sliding Handle.

Nos.	Jaw Ins.	Open Ins.	Wt. Lbs.	Each
30	2½	3¼	3½	$2.50
31	3	4	13	3.00
32	3½	4	19	3.60
34	4	4	28	5.15

Loose

Mark Pipe Vise



Self-Locking

Forged Steel Jaw, Forged Steel Slide, Forged Steel Latch Screw is Made of Steel. All Other Parts are High Grade Malleable Iron

Nos.	Wt. Lbs.	Holds Pipe Inches	Each
71	11	⅛ to 2½	$3.75
72	14	⅛ to 3½	5.82

Loose

CHUCK AND DRILLS FOR MILLERS FALLS RATCHET SCREW DRIVERS

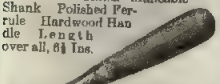
Quickly Converts a Ratchet Screw Driver into an Efficient Automatic Drill for Boring Small Holes. Drills Can be Changed Without Removing Chuck from Screw Driver. Operates Same as When Driving Screws.

Improved Ball Chuck, Grips Securely the Specially Notched Drill Points. Chuck Knurled and Highly Polished.

Nos.	For Use with Screw Drivers Nos.	No. of Drills and Sizes	Per Set
6700	67 and 670	3—1/16— 3/32 inc.	63c
6100	61 and 610	3—5/64— 1/8 inc.	63c
6200	62 and 620	3—9/64— 5/32 inc.	31c

TACK CLAWS

Cast Steel Claws. Malleable Shank Polished Ferrule Hardwood Handle Length over all, 6¼ Ins.



One dozen in a display box.

Per Doz

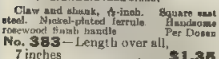
No. 110.. .YANKEE ..72 cts.

HEAVY 5/32 INCH SQUARE POLISHED DISTEEL SHANK

Claw and shank, 4/0 inch. Square cast steel. Nickel-plated ferrule. Handsome rosewood finish handle Per Dozen

No. 383—Length over all, 7 inches . **$1.35**

One dozen in a box
Weight per dozen, about 2 lbs.

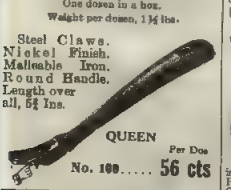


Claw and shank forged from very best steel Highly polished Edges beveled Brass ferrule. Rosewood handle Per Dozen

No. 352 Length, over all, 6½ inche **$4.50**

One dozen in a box.
Weight per dozen, 1¾ lbs.

Steel Claws. Nickel Finish. Malleable Iron. Round Handle. Length over all, 5¼ Ins.

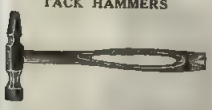


QUEEN

Per Doz

No. 100..... 56 cts

TACK HAMMERS

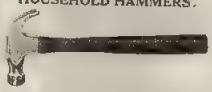


All iron Hammer, 7½ inches long. Coppered finish.

No. 5..... Per Dozen $ .52

One dozen in a box

HOUSEHOLD HAMMERS



Cast Iron. Polished Head. Hexagon Poll and Neck. Black Enameled Hardwood Handle Weight Without Handle 10 4/0 Ounces

No. 840..... Per Dozen **$2.65**
Half Dozen in a Box

Cast iron head, hardwood handles, claw pattern, 11 inches long. Weight 6 oz.

No. 25W. Aluminised Per Doz head. Plain handle.... **$ .89**

No. 26N. Nickel head varnished handle..... **1.25**

Cast iron head, hardwood handles Claw pattern, 11½ inches long Weight 8 ounces.

No. 20A. Polished head. Per Dz. plan handle..... **$ 1.27**

No. 18N. Nickel head. varnished handle **1.47**

One dozen in a box.

Cutting Adze Eye, Ball Face. Polished Face and Claws. Plain Hardwood Handle. Weight Without Handle 12 4/0 Ounces

Per Dozen

No. 410A **$1.95**

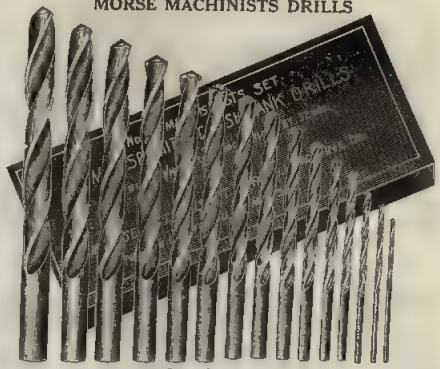
Cast Iron Adze Eye. Plain Face. Polished Face and Claws. Plain Hardwood Handle Weight Without Handle 9 4/0 Ounces

Per Dozen

No. 75A **$1.65**

Half Dozen in a Box

New Set of MORSE MACHINISTS DRILLS



Straight Shank

An Assortment of 15 No. 330 Morse Straight Shank Twist Drills, Assorted from 1/16 to ½ Inch by 32nds.

Per Assortment

No. 60..... **$2.80**

One Assortment in a Box; Weight About 1 Lb.

MORSE STRAIGHT SHANK DRILL SET

Contains One Each Sizes 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 11/64 and 3/16 Inch Morse Straight Shank Drills in a Neat Linen Envelope with Pocket for Each Size Drill.

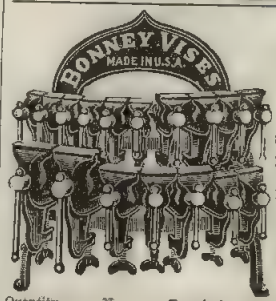
Just the Thing for the Radio Fan in the Most Needed Sizes.

Per Set

No. 40..... **64c**

BONNEY VISES

Assortment



Sample Stand.

No. 10—Sample Stand and 17 Vises **$10.00**

Per Asst.

Quantity	No.	Description	Size of Jaw	Wt., Each
6	00	Iron Jaws	1 Inch	1 Lb.
6	01	Iron Jaws	1½ Inches	1¾ Lbs.
3	02	Iron Jaws	2 Inches	2¼ Lbs.
2	02½	Iron Jaws	2½ Inches	4 Lbs

CHUCK AND DRILLS FOR MILLERS FALLS RATCHET SCREW DRIVERS

Quickly Converts a Ratchet Screw Driver into an Efficient Automatic Drill for Boring Small Holes. Drills Can be Changed Without Removing Chuck from Screw Driver. Operates Same as When Driving Screws.

Improved Ball Chuck, Grips Securely the Specially Notched Drill Points. Chuck Knurled and Highly Polished.

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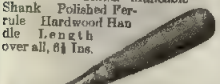

One dozen in a display box.

Per Doz

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HEAVY 5/32 INCH SQUARE POLISHED DISTEEL SHANK

Claw and shank, 4/0 inch. Square cast steel. Nickel-plated ferrule. Handsome rosewood finish handle Per Dozen

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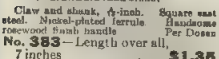
Weight per dozen, about 2 lbs.



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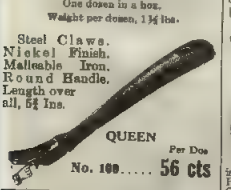

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Per Doz

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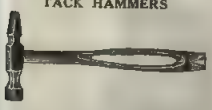

All iron Hammer, 7½ inches long. Coppered finish.

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One dozen in a box

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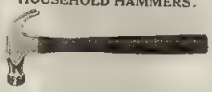

Cast Iron. Polished Head. Hexagon Poll and Neck. Black Enameled Hardwood Handle Weight Without Handle 10 4/0 Ounces

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Half Dozen in a Box

Cast iron head, hardwood handles, claw pattern, 11 inches long. Weight 6 oz.

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No. 26N. Nickel head varnished handle..... **1.25**

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One dozen in a box.

Cutting Adze Eye, Ball Face. Polished Face and Claws. Plain Hardwood Handle. Weight Without Handle 12 4/0 Ounces

Per Dozen

No. 410A **$1.95**

Cast Iron Adze Eye. Plain Face. Polished Face and Claws. Plain Hardwood Handle Weight Without Handle 9 4/0 Ounces

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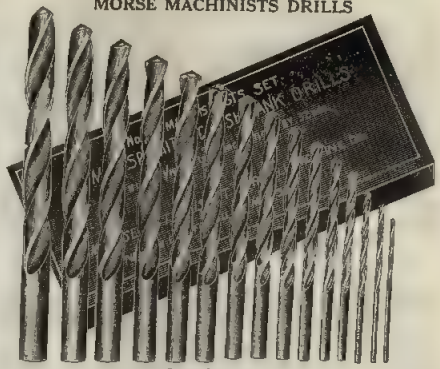
Half Dozen in a Box

New Set of MORSE MACHINISTS DRILLS



Straight Shank

An Assortment of 15 No. 330 Morse Straight Shank Twist Drills, Assorted from 1/16 to ½ Inch by 32nds.

Per Assortment

No. 60..... **$2.80**

One Assortment in a Box; Weight About 1 Lb.

MORSE STRAIGHT SHANK DRILL SET

Contains One Each Sizes 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 11/64 and 3/16 Inch Morse Straight Shank Drills in a Neat Linen Envelope with Pocket for Each Size Drill.

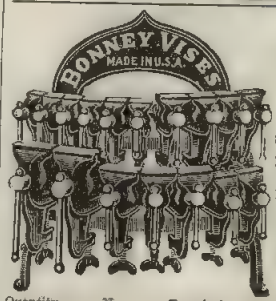
Just the Thing for the Radio Fan in the Most Needed Sizes.

Per Set

No. 40..... **64c**

BONNEY VISES

Assortment



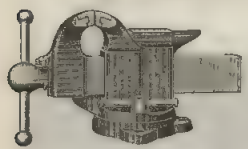
Sample Stand.

No. 10—Sample Stand and 17 Vises **$10.00**

Per Asst.

Quantity	No.	Description	Size of Jaw	Wt., Each
6	00	Iron Jaws	1 Inch	1 Lb.
6	01	Iron Jaws	1½ Inches	1¾ Lbs.
3	02	Iron Jaws	2 Inches	2¼ Lbs.
2	02½	Iron Jaws	2½ Inches	4 Lbs

NEW! PARKER "HERCULES" GARAGE VISE



Designed to Meet the Requirements of Service Station and Repair Shop. Equipped with Heavy Anvil, Renewable Steel Jaws, Swivel Base, 360 Degrees Gripping Power, Solid Underportion in Slide. Handle Stays Anywhere You Put it.

Nos.	Wt. Lbs.	Width Jaws Ins.	Jaws Open Ins.	Each
234	80	4	5½	$16.13
235	104	5	6	24.00

Hand Drills Yankee

Specially Adapted for Radio Work. A Small Well Balanced Drill, Geared at 4 to 1 Ratio for Speed. Capacity to Take Largest Drill Usually Supplied with Radio Sets. Length Over All 9½ Ins.

Packed in a Beautiful Display Carton

No.		Each
1431	One in a Box.	$2.00

Double Speed

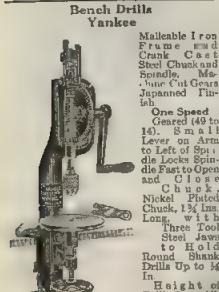
With Right and Left Hand Continuous Ratchet Movement

Polished and Nickel Plated. Three-Jaw Chuck, Body of Which is 2¾ Ins. Long by 1½ Ins. in Diameter. Holds Round Shanks up to 4⅜ Ins.

No.		Each
1545	Three-Jaw Chuck	$6.70
545	Two-Jaw Chuck. Holds Either Round or Square Drills up to ⅜ Ins.	6.70

One in a Cardboard Box

Bench Drills Yankee



Malleable Iron Frame and Crank. Cast Steel Chuck and Spindle. Machine Cut Gears. Japanned Finish.

One Speed Geared (49 to 16). Small Lever on Arm to Left of Spindle Locks Spindle Open and Close Chuck. Nickel Plated Chuck, 1¾ Ins. Long, with Three Tool Steel Jaws to Hold Round Shank Drills Up to ¼ In.

Height of Drill, Over All, 18¾ Ins. Diameter of Table 4¼ Ins., Its Center 2½ Ins. From Face of Slide.

No.		Each
1003	One in a Wood Box	$10.25

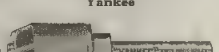
Two Speeds

Cast Steel Chuck and Spindle Nickel Plated. 2¾ In. Chuck. 1⅜ In. Diameter, with Three Steel Jaws to Hold Round Shank Drills up to ½ In.

Height of Drill, Over All, 28 Ins. Diameter of Table 6¾ Ins., Its Center 3½ Ins. from Face of Slide.

No.		Each
1005	One in a Wood Box	$17.25

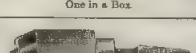
Chucks for Breast and Hand Drills Yankee



Same as Those Used on Yankee Breast and Hand Drills. Simple in Construction, Accurate and Efficient in Use. Made of Steel. Polished, Nickel Plated. Jaws are Hardened Tool Steel. Shanks are Steel

No.	Diam. Ins. Straight Shank	Each
1593	⅛ In.	$1.15
1594	¼ In.	1.45
1595	½ In.	1.85

One in a Box



With Bit Brace Shank

No.		Each
1593BB		$1.15
1594BB		1.45
1595BB		1.85

One in a Box

YANKEE TAP WRENCHES RATCHET

Crossbar is Held Central by Friction Device. Knurled Thumb Piece at Top Affords Ready Means of Starting in and Backing out the Tap Quickly. Cross Arm can be Readily Withdrawn. Occupies Very Little Space. Ratchet and Pawls Made of Tool Steel, Hardened and Tempered. Chuck has Hardened Steel Jaws. Right and Left Hand and Rigid.

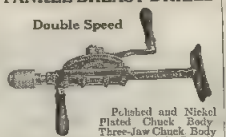
Holds up to ⅜ In. Top Outside Diameter of Chuck, ⅝ In. Length, Over all, 13 Ins.

No.		Each
1251	Holds up to ⅜ In. Taps. Outside Diameter of Chuck, ⅝ In.	$2.10

No.		Each
250	Length Over all 3¼ Ins. Holds up to ¼ In. Taps. Outside Diameter of Chuck ⅝ In.	$1.25
251	Length Over All 8 Ins. One in a Box.	1.85

YANKEE BREAST DRILLS

Double Speed

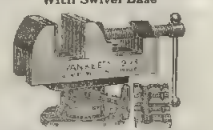


Polished and Nickel Plated Chuck Body Three-Jaw Chuck Body of Which is 2¼ Ins. Long, 1¾ Ins. in Diameter. Holds Round and Square Shanks. Extreme Length 17 Ins. Each

No.		
1565		$7.70
555	Two-Jaw Chuck, Body of Which is 2⅛ Ins. Long. Extreme Length 18 Ins. Each	7.70

One in a Cardboard Box.

YANKEE VISE With Swivel Base



With Swivel Base, While Used on the Bench the Vise Proper Can be Quickly Detached from Base, and Without Removing Work from Vise, Can be Used on Bench Drill, etc. and Returned to Position Again.

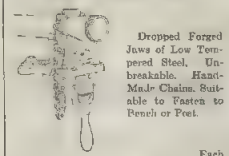
This is a New Feature in Vises and One That Will be Quickly Appreciated by the Best Mechanics Where Work can be Held Rigidly in the Vise and While so Held be Worked on by Either Hand or Machine.

The Upper Part of Swivel Base has a Taper Part to Receive Corresponding End of Vise Proper, and with Set Screw in One End to Force Tapers into Position, Thus Clamping Vise and Base Perfectly Rigid.

No.	With Swivel Base	Each
1991		$2.50
1992		3.75
1993		6.25

One Only in a Box.

VULCAN CHAIN VISE

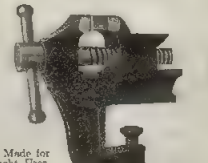


Dropped Forged Jaws of Low Tempered Steel. Unbreakable. Hand-Made Chains. Suitable to Fasten to Bench or Feet.

No.		Each
1V	For Pipe ⅛ to 2 Inches. Wt. 4 Lbs.	$3.32
2V	For Pipe ⅛ to 4 Inches. Wt. 10 Lbs.	7.12

Loose

Bonney Standard Vise

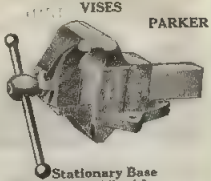


Made for Light Uses. Jaws are Best Grade Grey Iron Carefully Machined, Finished in Black Baking Enamel.

No.	Jaw Ins.	Wt. Lbs.	Each
00	1	1	$ .40
01	1½	1½	.60
02	2	2¼	.87
02½	2½	4	1.17

Two in a Box

VISES PARKER



Stationary Base

Parallel Solid Steel Faced Jaws.

Nos.	Jaw Ins.	Open Ins.	Wt. Lbs.	Each
P102	3½	5¼	25	$ 8.50
P103	3¾	5	31	9.50
P104	4½	6½	48	10.84
P105	4¾	6½	62	13.18
P106	5	7	75	17.00

Loose

Swivel Base

Nos.	Jaw Ins.	Open In.	Wt. Lbs.	Each
P202	3½	5½	28	$11.06
P203	4¼	6	37	12.75
P204	4½	6½	52½	14.45
P206	4¾	6½	66	17.00
P206	5	8	80	25.00

Loose

Parker's Pipe Combination

Swivel Base

Steel Faces are Milled and Fitted to Jaws, and are Renewable.

No.		Each
87	Width of Jaw 3¾ Ins., Open 4¾ Ins., Holds Pipe 2 Ins. and Under. Weight 41 Lbs.	$14.00
88	Width of Jaw 4¾ Ins., Open to 6 Ins., Holds Pipe 3 Ins. and Under. Weight 59 Lbs.	19.80

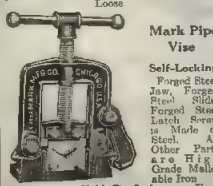
Parker Oval Slide

Cast Iron Japanned Polished Steel Faced Jaws. Polished Steel Screw and Sliding Handle.

Nos.	Jaw Ins.	Open Ins.	Wt. Lbs.	Each
30	2½	3¼	3½	$2.50
31	3	4	13	3.00
32	3½	4	19	3.60
34	4	4	28	5.15

Loose

Mark Pipe Vise



Self-Locking

Forged Steel Jaw, Forged Steel Slide, Forged Steel Latch Screw is Made of Steel. All Other Parts are High Grade Malleable Iron

Nos.	Wt. Lbs.	Holds Pipe Inches	Each
71	11	⅛ to 2½	$3.75
72	14	⅛ to 3½	5.82

Loose

LOUD SPEAKERS

HORN TYPE

STROMBERG-CARLSON

No. 2-ALS

Reproduces speech and music with true tonal characteristics. Gives an abundance of sound volume necessary to fill the largest room of a residence in a pleasing manner. Equipped with adjustment lever for regulating sound volume. Non-metallic horn, finished in oxidized silver. Wood base in mahogany and metal parts in dull black. Over all height, 25 inches. Bell of horn, 13 inches in diameter. Furnished with 5 feet of silk cord and plug. Weight, 6 pounds.

No.	Each
2-ALS	$20.00

One in a fibre carton.

MANHATTAN JUNIOR

It's not a makeshift—it's not just a headset in a horn—but a real loud speaker that reproduces all radio programs with excellent musical quality.

The Manhattan Junior has a reproducing unit especially and correctly designed to operate the long air column of the horn. The diaphragm is large and heavy—firmly locked in place—no rubber is used. The permanent magnet is extra large—and no batteries are required for operation.

The Manhattan Junior is the only loud speaker in its price class to have that most necessary adjustment—the "Concert Modulator." The importance of this feature, first introduced and popularized on the Manhattan Loud Speaker, is now thoroughly established. By means of it, the instrument can be satisfactorily accommodated to set, tubes and the strength of "B" battery current, so that the best results can always be obtained. It also eliminates any possibility of "chattering" caused by overloading from powerful receiving sets.

	Each
Manhattan Junior	$8.00

One in a carton.

HEAD PHONES

STROMBERG-CARLSON

No. 2-A

Receivers are equipped with a powerful one-piece bi-polar permanent magnet, phenol fibre spool heads, slotted soft iron pole pieces, corrosion-proof diaphragm and enameled copper wire coils, which have a wrapping of tough insulating material between each layer. Will stand up under high plate voltages now prevalent.

Head band of spring wire covered with brown webbing. Equipped with slide and swivel adjustment and knurled thumb screws to lock adjustment after fitting to head. Either receiver may be disengaged from head band. Light in weight and comfortable. Furnished with 5 feet of silk cord with pin tips at plug end. No plug. Weight, 1½ pounds.

No.	Each
2-A	$6.00

One in a box; one hundred in a case.

RED SEAL

Designed for "DX" work. Tone quality excellent. Workmanship the best. No distortion or chattering. Bakelite case, soft rubber sanitary headband.

No.	Each
Red Seal	$6.00

One in a carton

PICO

The Pico is of the "All Composition" construction with one-piece spool construction. Makes grounding of case or coils impossible. Light in weight, but maintaining volume, clarity and durability. Matched receivers wound to 2,200 ohms resistance. Weight, 1¼ pounds.

	Each
Pico	$1.00

One in a box; twenty-five in a case

STRUCTO TOYS

TANK

Designed like the famous Whippet tank. Equipped with powerful slow speed motor, which drives the mechanical caterpillar smoothly over rugs, carpets or rough surfaces. Caterpillar traction has 2 inch sprocket in front and 1 inch sprocket in rear.

Each

No. 48—Length 10½ ins; width 3½ ins; finished in French gray, trimmed with red and gold..... **$6 60**

One in cardboard box; wt each about 3 lbs.

STRUCTO TOY OUTFITS

TRACTOR-BUILDER

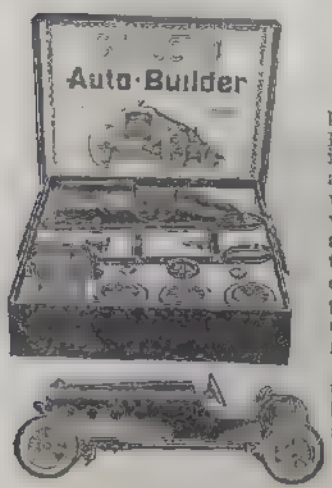
Contains required number of parts to build a complete four wheel toy farm tractor. Equipped with 4½ inch drive wheels connected directly to the big triple unit motor with low speed gears. Pulls heavy loads up grade or on the level. Trailer parts are also furnished. Finished in blue-green and brilliant red enamel, trimmed with black and nickel.

The accompanying illustration shows the outfit not assembled and the model after it is assembled.

Each

No. 11—Outfit complete; wt each about 6 lbs **$13 50**

One outfit in cardboard box.



AUTO-BUILDER

Contains all the toy auto parts required to build a complete speedster model, 12½ inches long, 10 inch wheel base and 5½ inch tread. Equipped with latest style racing body with long hood and low seat; artillery type wheels with white tire effect and red spokes; powerful mechanical motor; bevel gear drive on rear axle. Finished in blue-green, trimmed in nickel and black.

The accompanying illustration shows the outfit not assembled and the model after it is assembled.

Each

No. 8—Outfit complete; wt each about 6 lbs **$10 50**

One outfit in cardboard box.

STRUCTO TOY OUTFITS

AUTO-BUILDER

Contains sufficient toy auto parts to build the Bear Cat roadster model, 16 inches long, 12½ inch wheel base and 5½ inch tread. Equipped with 2½ inch artillery type wheels finished in red and white. Powerful mechanical motor, high speed, shaft drive and bevel gear transmission. Finished in red and black enamel with nickel trimmings.

The accompanying illustration shows the outfit not assembled and the model after it is assembled.

Each

No. 10—Outfit complete; wt each about 7 lbs **$13 50**

One outfit in cardboard box.

AUTO-BUILDER

Contains all parts required to build an up-to-the-minute auto, the De Luxe roadster, 16 inches long, 12½ inch wheel base and 5½ inch tread.

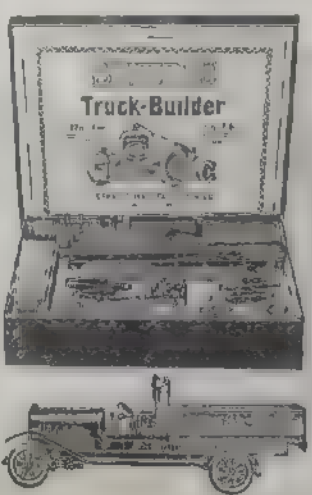
Equipped with triple unit motor, sliding gear transmission, real toy differential, two speeds forward and reverse gear shift control lever. Latest design roadster body and imitation top, extra wheel mounted on rear of body. Finished in orange and black with red wheels.

The accompanying illustration shows the outfit not assembled and the model after it is assembled.

Each

No. 12—Outfit complete; wt each about 6½ lbs **$18 00**

One outfit in cardboard box.



TRUCK BUILDER

Contains a complete assortment of toy auto parts required to build a dump truck 18½ inches long, 12½ inch wheel base and 5½ inch tread. Equipped with triple unit motor, slow speed. Carries full load and runs smooth and steady. Has sliding gear transmission, forward and reverse speeds, special load dumping attachment. Finished in red and black.

The accompanying illustration shows the outfit not assembled and the model after it is assembled.

Each

No. 14—Outfit complete; wt each about 7½ lbs **$19 50**

One outfit in cardboard box.

MECCANO OUTFITS

TOY ENGINEERING FOR BOYS

Meccano outfits are composed of pieces of stamped steel imitating iron girders, beams and other structual parts. These pieces are so punched that with the use of bolts and screws (which are furnished with each outfit), miniature bridges; office, and other buildings can be constructed.

It is a toy that brings out the imaginative and constructive ideas of children.

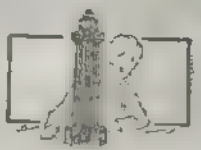
Illustrated instruction showing different constructions is furnished with each set.

Contains 89 parts. Includes illustrated instructions showing how to build 40 different models.

Per Set
No. 00—Wt per set 1 lb **$2 25**
One set in cardboard box.

Contains **101 parts.** Includes illustrated instructions showing how to build 78 different models.

Per Set
No. 0—Wt per set 1½ lbs. **$4 50**
One set in cardboard box.



Complete with 131 parts; enabling any boy to build Trucks Airplanes, Lathes, etc. Manual included shows 105 models.

Per Set
No. 1—Wt per set 3 lbs **$6 60**
One set in cardboard box.

Complete with motor and 226 parts, with which Auto Trucks, Bridges, Monoplanes, Steam Shovels and many more models can be built. Full instructions included.

Per Set
No. 2X—Wt per set 5 ½ lbs. **$19 50**
One set in cardboard box.

MECCANO OUTFITS

Contains all the parts of the No. 1 outfit, plus an electric motor which builds right into the models. Complete with book of instructions.

Per Set
No. 1X—Wt per set 3 lbs. **$11 55**
One set in cardboard box.

Includes fine pinions, worm wheels, girders, etc, 327 parts plus an electric motor, instructions included which shows how to build 196 models.

Per Set
No. 3X—Wt per set 7¾ lbs **$26 25**
One set in cardboard box

Complete with motor and 594 parts, including triple throw eccentrics, fork piece, face plate, braced girders, sprocket, wheels and chain, gears, etc. Two big manuels of instructions included, which shows how to build 253 models.

Per Set
No. 4—Wt per set 10 lbs. **$33 00**
One set in cardboard box.

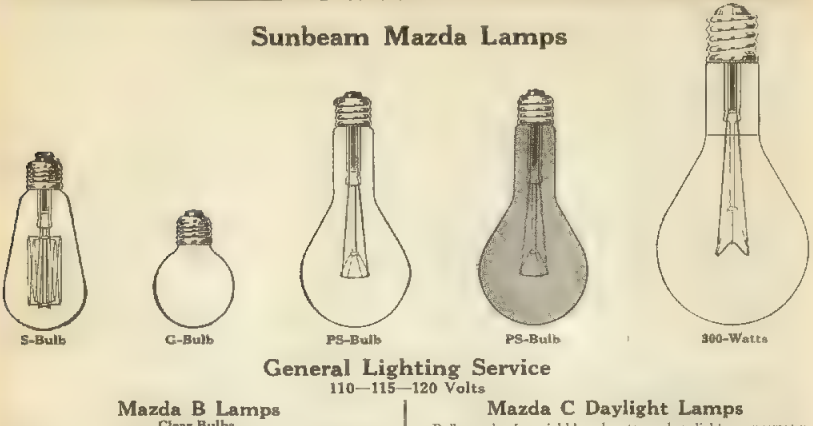
TOY MOTION PICTURE MACHINES

KEYSTONE

Steel case, leather pattern, baked crystalized enamel finish, mounted on wood base. Equipment consists of one reel, 3 feet of standard gauge, non-inflamable film, subject Charlie Chaplin, film catalog, slides, theatre tickets, bill posters, operators, officers and ticket takers badges, arm bands for the urshers and instructions for operating. Complete with 6 feet of cord and stationary plug. Size pictures 36x48 inches, however by using a larger bulb the machine can be placed further from wall resulting in a larger picture.

Each
No. 572—Height 10 ins; length 8¾ ins; width 6¾ ins. **$12 00**
One in carton; wt each 5 lbs.

Sunbeam Mazda Lamps



General Lighting Service

110—115—120 Volts

Mazda B Lamps

Clear Bulbs

Watts	Style Bulb	Approximate Lumens	Std. Pkg. Quantity	Price Each
10	S-14	66	200	$0.27
15	S-17	135	120	.27
25	S-17	240	120	.27
40	S-19	400	120	.27
50	S-19	520	120	.27
60	S-21	620	120	.32

Mazda B Mill Type Lamps

Clear Bulbs

These lamps are of a construction to give improved service under mechanical shock

25	P-19	220	120	$0.30
50	P-19	43	120	.30

All Frosted Mazda B Lamps

25	G-18½		120	$0.40

White Mazda C Lamps

50	PS-20		60	$0.40
75	PS-22		60	.50
100	PS-25		24	.55

Mazda C Lamps

Clear Bulbs

50	PS-20	520	60	$0.40
75	PS-22	900	60	.45
100	PS-25	1350	24	.50
150	PS-25	2200	24	.65
200	PS-30	3200	24	.80

All above lamps, fitted with medium screw base

Mazda C Lamps

Clear Bulbs

Fitted with Mogul Screw Base

300	PS-35	5000	24	$1.25
500	PS-40	9400	12	2.00
750	PS-52	14500	8	3.50
1000	PS-52	20000	8	5.75

Mazda C Daylight Lamps

Bulbs made of special blue glass to produce light approximating average daylight quality.

Watts	Style Bulb	Screw Base	Std. Pkg. Galvanized	Price Each
50	PS-20	Medium	60	$0.60
75	PS-22	Medium	60	.65
100	PS-25	Medium	24	.80
150	PS-25	Medium	24	1.05
200	PS-30	Medium	24	1.30
300	PS-35	Mogul	24	1.85
500	PS-40	Mogul	12	2.85

Special Lighting Service

28 -32 Volts

Mazda B Lamps

Watts	Style Bulb	Screw Base	Std. Pkg. Quantity	Price Each
10	S-17 Clear	Medium	120	$0.27
15	S-17 Clear	Medium	120	.27
25	S-17 Clear	Medium	120	.27
40	S-19 Clear	Medium	120	.27
25	G-18½ frosted	Medium	120	.40

Also furnished in Mazda C Style lamps. Prices on application.

Extra Charges for Special Features

Colored and Tinted (coated) Lamps, Natural Colored Lamps and Frosted Lamps, are all charged extra. Prices on application

How to Order Lamps

All orders should specify whether Mazda B, Mazda C, Mazda Daylight, Mazda Mill Type or White Mazda lamps are desired and should give the following information

Quantity—Number of lamps desired. Purchasers will avoid delays and get best discount by ordering package quantities

Size of Lamps—Specify wattage of multiple lamps and lumens of series lamps

Voltage—For multiple lamps

Amperes—For series lamps

Bulb—For example S-19, G-25, T-20, P-19, PS-25, etc. The letter in the bulb designate its shape and the figure its diameter in eighths of an inch. Thus an S-19 bulb is straight-sided and is 19/8 or 2⅜ inches in diameter. G indicates a round (globular), T a tubular, P and PS a pearshaped bulb

Finish of Bulb—Clear, coal painted or all frosted

Base—Medium screw or mogul screw.

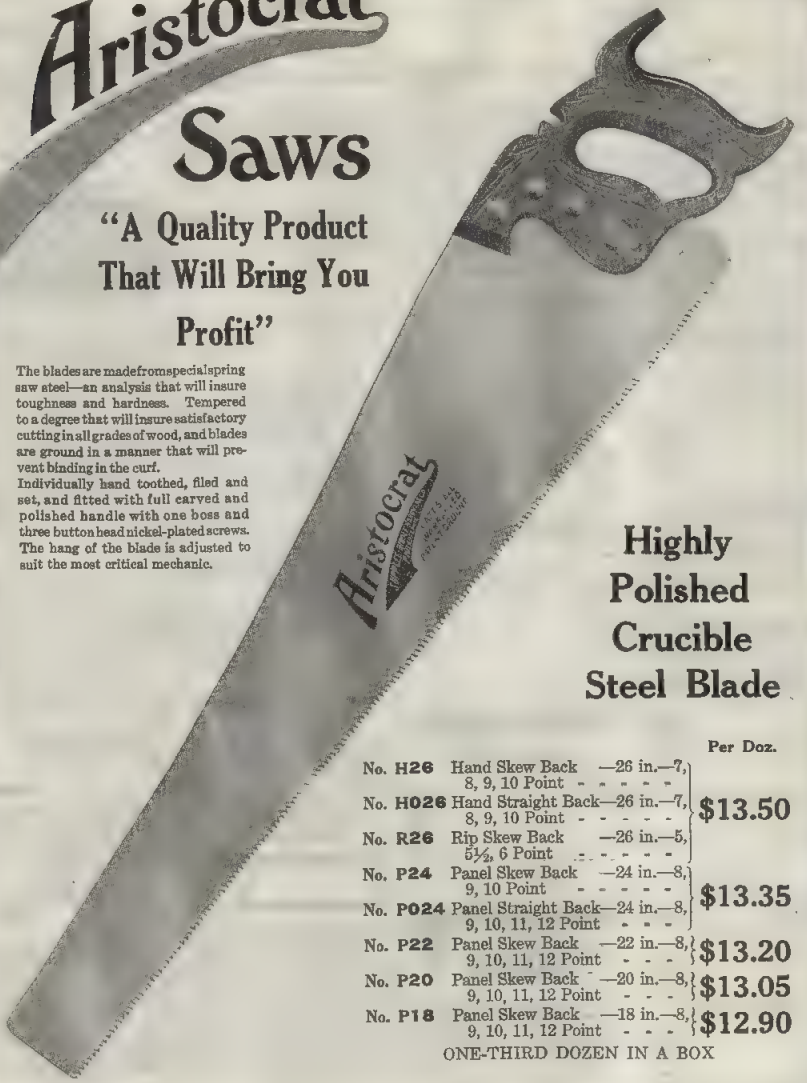
Service—For example Projector, Floodlighting Locomotive Headlight, etc

Lamps for Special Lighting Service in 220—230—240—250 Volts. Prices on Application

Aristocrat Saws

"A Quality Product That Will Bring You Profit"

The blades are made from special spring saw steel—an analysis that will insure toughness and hardness. Tempered to a degree that will insure satisfactory cutting in all grades of wood, and blades are ground in a manner that will prevent binding in the curf.
Individually hand toothed, filed and set, and fitted with full carved and polished handle with one boss and three button head nickel-plated screws. The hang of the blade is adjusted to suit the most critical mechanic.

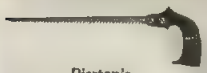


Highly Polished Crucible Steel Blade

		Per Doz.
No. H26	Hand Skew Back —26 in.—7, 8, 9, 10 Point	$13.50
No. H026	Hand Straight Back—26 in.—7, 8, 9, 10 Point	
No. R26	Rip Skew Back —26 in.—5, 5½, 6 Point	
No. P24	Panel Skew Back —24 in.—8, 9, 10 Point	$13.35
No. P024	Panel Straight Back—24 in.—8, 9, 10, 11, 12 Point	
No. P22	Panel Skew Back —22 in.—8, 9, 10, 11, 12 Point	$13.20
No. P20	Panel Skew Back —20 in.—8, 9, 10, 11, 12 Point	$13.05
No. P18	Panel Skew Back —18 in.—8, 9, 10, 11, 12 Point	$12.90

ONE-THIRD DOZEN IN A BOX

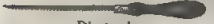
KEYHOLE SAWS



Disston's
Beech Handle, Brass Screws.

	Per Dozen
No. 15—Length 10 Inches	$3.90
12 Inches	4.25
14 Inches	4.55

Half Dozen in a Box.



Disston's
Round, Hardwood Handle, Polished Nickel Plated Ferrule. Handle is Slotted Clear Through. The Blade 10 Inches Long, Ground Thin, Lock Firmly Held in Place by means of a Steel Grip Inside of Handle, Tightened by Thumb Screw, Which is Nickel Plated.

	Per Dozen
No. 85—Complete with 10 Inch Blade	$6.35
Extra Blades	Per Dozen
No. 95EB—10 Inch Long	$3.15

Half Dozen in a Box.

Wide Cross-Cut Saws

Disston's
Great American Tooth
No. 56
Five Gauges Thinner on Back Than on Teeth. 19 Gauge on Back, 14 Gauge on Teeth

Length, Feet	Each
4	$3.30
4½	3.75
5	4.15
5½	4.60
6	4.95

Disston's Champion Tooth
Four Gauges Thinner on Back Than on Teeth. 18 Gauge on Back, 14 Gauge on Teeth

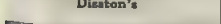
No. 81C (1) Coarse Tooth

Length, Feet	Each
5	$3.80

Reindeer—Plain Tooth
Four Gauges Thinner on Back than on Teeth. 18 Gauge on Back, 14 Gauge on Teeth
No. 84

Length, Feet	Each
3	$1.52
3½	1.77
4	2.02
4½	2.27
5	2.53
5½	2.78

Narrow Cross-Cut Saws
Disston's



Triumph Champion Tooth
Superior Steel
Made of Best Grade Crucible Cast Steel, Perfectly Tempered in Oil and Carefully Sharpened and Set. Polished and Etched
14 Gauge
No. 36C—Coarse Tooth

Length, Feet	Each
4½	$2.00
5	2.20
6½	2.85

No. 36M—Medium Tooth

Length, Feet	Each
4	$1.75
4½	2.00
5	2.20
5½	2.45
6	2.60

COPING SAWS

Rigid Round Spring Steel Frame. Tension of Blade Regulated by Turning Handle. Blade Can be Locked at Any Angle.

All Metal Parts, Handsomely Nickel Plated and Polished. One Spring Tempered Steel Pin Blade, 0 ½ x ⅛ Inch. Supplied with Each Frame. Length Over All 12½ Inches. Depth 4½ Inches. Stained Hardwood Handle. Each

No. 43—Weight About 5 Lbs. Per Dozen .. .. $ .58

Half Dozen in a Box.

Flat Spring Steel Frame ⅛ x ½ Inches Tension of Blade Regulated by Turning Handle. Blade Can be Locked at Any Angle.

All Metal Parts are Nickel Plated Dull Satin Finish. One Pin Blade Furnished with Each Frame. Length Over All 11½ Inches. Depth 4½ Inches. Black Japanned Wood Handle. Per Dozen

No. 32—Weight About 5½ Lbs. Per Dozen $4.10

BLADES FOR COPING SAWS

High Grade Blued Steel Blade, 6 Inches Long with Loop Ends. Will Fit all Coping Saws made to take 6 Inch Loop End Blade.

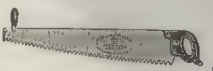
	Reg. Selling Price Per Gross	Very Special Per Gross
No. H10B	$1.75	$1.25

One Gross in a Bundle.

ONE MAN CROSS-CUT SAWS With Supplementary Handle

Disston's

Warranted. High-Grade Crucible Steel, Polished and Etched. Teeth Filed and Set Ready for Use, Varnished, Beechwood Supplementary Handle.



No. 181—Plain Tooth

Length Feet	Weight Each Pounds	Each
3½	3½	$2.00
3	3	2.40
3½	4	2.80
4	5½	3.20

No. 180—Champion Tooth

Length Feet	Weight Each Pounds	Each
3	3¾	$2.40
3½	4¾	2.80
4	5½	3.20
4½	6½	3.60

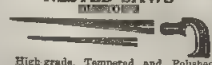
NESTED SAWS

Three Good Grade Steel Blades. Set Consists of One 14 Inch Metal Cutting Blade, One 14 Inch Compass Blade, One 16 Inch Panel Blade and Polished Mahogany Handle. Per Dozen Sets

No. 200.....$9.50

One Set in a Box

NESTED SAWS



High grade, Tempered and Polished Cast Steel Blades. Applewood Handle with Polished Edges. Brass Screws. One Handle, One 10-inch Keyhole Blade and One 14-inch Compass Saw.

Per Doz. Sets

No. 1.....$10.55

Quarter dozen sets in a box.

"GLADIATOR"

Special Cast Steel. Polished Blades. Beechwood Handle with Varnished Edges. Two Steel Screws, One Handle, One 10-inch Keyhole Blade, One 15-inch Compass Blade, One 16-inch Pruning Blade. Per Doz. Sets

No. 88G..... $8.40

Quarter dozen sets in a box.

"RICHMOND"

Choice Cast Steel with Varnished Beechwood Handle. One Handle, One 12-inch Keyhole Saw, One 14-inch Compass Blade, One 15-inch Pruning Blade. Per Doz. Sets

No. 503..... $6.60

Half dozen sets in a box.

HACK SAW FRAME
Millers Falls

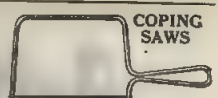
The Same No. 1027 Hack Saw Frame which has Become so Popular, with Five New Improvements—Highly Polished Nickel Plated Frame, A Millers Falls Hack Saw Blade with Each Frame, One Pin Adjustment Instead of Two, One-Piece Handle and Back Reinforcement—Easier to Adjust, Pistol Grip Special Black Composition Handle.

Balance of Construction same as the Old Style No. 1027, Steel Frame, Thumb Nut and Screw Stud Adjustment of Blade Tension and Enabling Blade to be Faced in Four Directions; Depth under Back 3¾ Inches. Each

No. 1027—For 8 to 12 In. Blades $1.15

One in a Box

COPING SAWS



Nickel-plated wire frame and handle all one piece. Blade 6 inches long. Depth of cut 4 inches.

No. H125....Per Dozen $.98

Half dozen in a box.

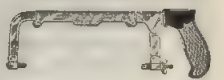
FRET SAW SETS
Millers Falls

An Excellent Set for Amateurs. The Frame is of High Grade Spring Steel, with Enameled Handle, and Patent Clamps, which hold the Blade Securely. Frame has Depth of 12 Inches, Width of 5 Inches, and is Highly Polished and Nickel Plated. Other Articles Include Twelve Blades, One Awl, One Sheet of Impression Paper and Three Sheets of Designs. Per Set

No. 2..... .. .. .. $1.01

One Set in a Box. Weight About 1 Lb.

HACK SAW FRAMES
Without Blades
Pistol Grip Handle—Adjustable



Steel Frame, ¾ x ½ Inches. Nickel Plated and Highly Polished. Depth Under Back, 2½ Inches. Black Composition Pistol Grip Handle, Checkered, Adjustable Back. Blade Secured by this Thumb Screw. Per Dozen

No. 210—Adjustable to Blades 8 to 12 Inches.....$12.50

One in a box; Weight, 1¼ lbs.

Pistol Grip Handle—Adjustable

Steel Frame, Nickel Plated. Comfortable Wood Pistol Grip Handle, Blade Tension Adjusted by Thumb Screw. Retails Readily for $1.00. Per Dozen

No. 1046—Adjustable to Blades 8 to 12 Inches. One in a box. $7.50

Wood Handle—Not Adjustable

Solid Steel Frame, ¾ x ⅝ Inches. Nickel Plated. Depth Under Back, 2¼ Inches. Black Ebonized Wood Handle. Which Adjusts Blade. Per Dozen

No. 500—For 8-inch Blades..... $2.00

One in a folding box.

Adjustable Extension—Without Blades

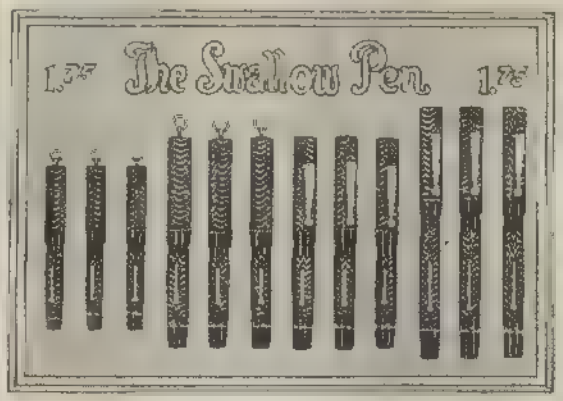
⅝-Inch Steel Frame, Nickel-Plated and Polished. Depth under Back 2½ Inches. Cherry Finish Hardwood Handle. Blades can be Faced in Four Directions and Secured in Position by Turning Handle. Per Dozen

No. 50—Adjustable to Blades 8 to 12 Inches.....$2.85

One in a Box

Swallow Fountain Pens

All Metal and Novelty Fountain Pens



Swallow Self-Filling Fountain Pen. These Pens have a highly finished hard vulcanized rubber holder. Are fitted with either heavy nickel attached clip or gold filled ring, so they can be carried either in vest pocket or attached to ribbon without cut of clasp. All Swallow Pens have a 14K gold pen, iridium tipped, assorted fine and medium points. Made by Mabie Todd & Co., famous makers of Fountain Pens. Fully guaranteed to give satisfaction. Put up one dozen assorted on a neat display card.

No. 65S605. Per dozen..... 12.60

The above pens may be had individually as follows:

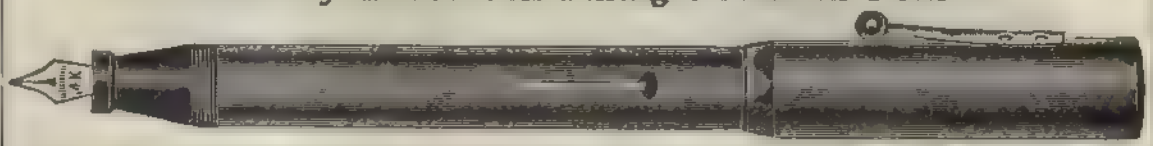
No. 65S600. Long with clip. Per dozen..... 12.60
Each..... 1.15

No. 65S601. Short with clip. Per dozen..... 12.60
Each..... 1.15

No. 65S603. Short with ring. Per dozen..... 12.60
Each..... 1.15

No. 65S604. Midget with ring. Per dozen..... 12.60
Each..... 1.15

Novelty Lever Self-Filling Fountain Pens

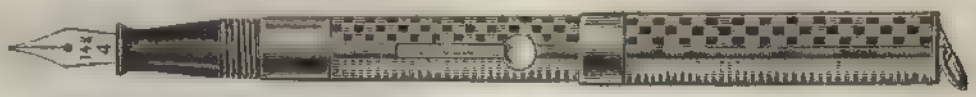


Novelty Lever Self-Filling Fountain Pens. Size open 6¼ inches, closed 5⅛ inches. Made in a beautiful assortment of colors, blue, purple, coral, pearl, mottled green and mottled red. Ball end gilt safety clip. Fitted with a solid 14K gold pen. Each in box. 12 in a carton.

No. 65S144. Per dozen..... 10.00

Fountain Pen, lever self-filler, thin model, all metal barrel, green gold finish over all, fancy chased combination design checkerboard and wriggle, attached safety clip, safety screw non leakable cap, fitted with 14K solid gold pen. Each in box.

No. 65S77. Per dozen..... 9.00 | Each..... .85



Fountain Pen, ladies' or vest pocket size, withattached ring otherwise same as above

No. 65S76. Per dozen..... 9.00 | Each..... .85

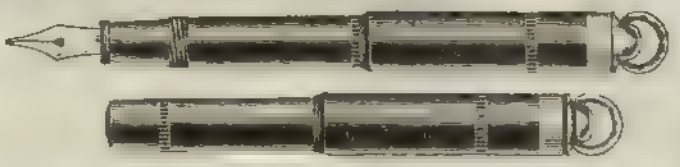
Pen and Pencil Combination

Pen and Pencil Combination. Two articles in one. Propelling pencil at one end with extra supply of leads underneath part. Lever self-filling fountain pen at other end fitted with 14K solid gold iridium tipped part. Attached ball end safety steel spring clip. Perfectly balanced. Come in assorted beautifully engine turned patterns, in either silver plate or gold plate. Each in box with full directions for operating.

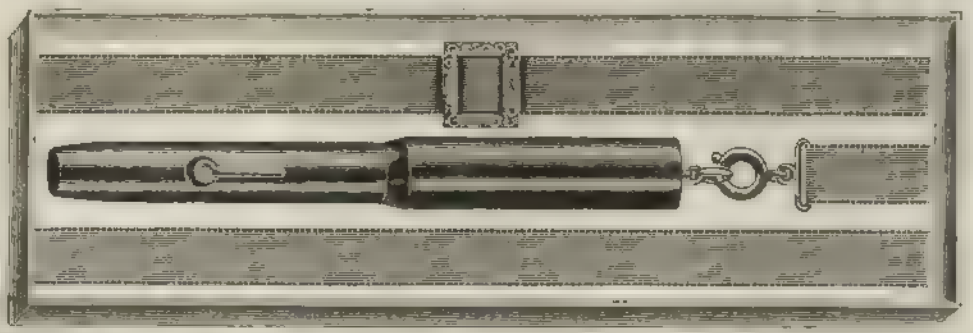
No. 65S26. Silver Plate. Per dozen..... 16.00 | Each..... 1.40
No. 65S27. Gold Plate. Per dozen..... 16.00 | Each..... 1.40

Novelty Fountain Pens and Pencils

"Midget" Fountain Pens. The smallest pen made. Small yet serviceable. Fitted with 14k gold point. Assorted color ends with gilt rings. Size when open, 3¼ in., when closed, 2¼ in. A wonderful novelty item for dances, souvenirs, etc. Put up one dozen on a neat easel-back display card.
No. 6581. Per dozen..... 5.00



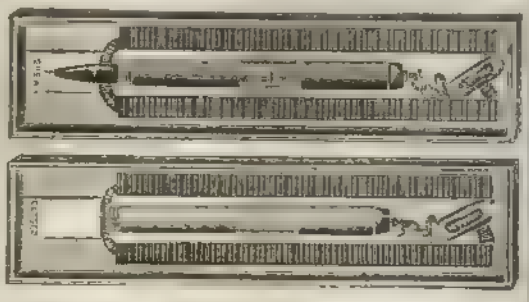
Midget Fountain Pens. Self-filling. All metal barrel, fancy design, gold and silver finishes. Rubber nozzle and feed. Solid 14k gold iridium tipped pens. Illustration shows actual size. One dozen assorted neatly displayed on an easel back card
No. 6585. Per dozen..... 5.85



Midget Fountain Pens, lever self-filling; made in a beautiful assortment of colors: coral, shell, blue, purple, mottled green and mottled red. Fitted with a 14k solid gold iridium tipped pen. Gilt slide and ring clasp. Made to satisfy every taste
No. 6581½. Per dozen..... 12.00 | Each..... 1.10

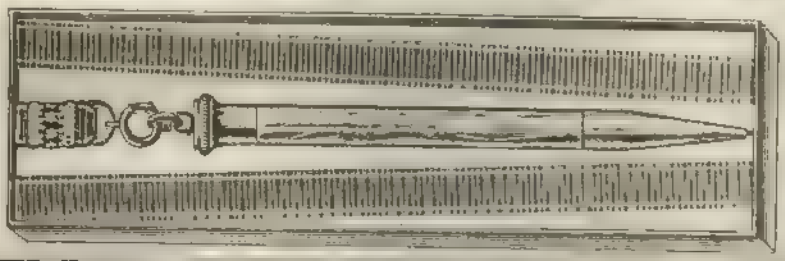
The Midget Pencil, tablet size, propel and repel, fancy engine turned design, with ring at end. Length of pencil 2¾ inches. Very neat. Can be had in either a gilt or nickel finish
No. 5181-G. Gilt Finish. Per dozen..... Out
No. 5181-S. Nickel Finish. Per dozen..... Out

Novelty Pencil, miniature size, thin model, octagon shape, with plain and engine turned sides, gold filled, with attached ring, propels and repels thin lead, length 3½ inches. Put up 1 dozen on a neat display card
No. 5183. Per dozen..... 1.75



Novelty Pencil. Made of Gallalith, assorted beautiful colors, propels and repels, uses standard thin leads. Gilt ring at end. Length 2¾ inches. One dozen assorted on card.
No. 4188. Per dozen..... .75

Novelty Pencil. Fountain pen shape, in a beautiful assortment of colors, made of Gallalith. Assorted color ends. Uses a standard fine lead, propels and repels. Cap screws on end, which prevents the cap from being lost when pencil is in use. Each in a box, with a sautoir ribbon to match color of pencil. Gilt ring for attaching at end. Ribbon has colored slide to match color of pencil. Size open, 4⅝ inches closed 3¼ inches. One dozen in carton.
No. 4189. Per dozen..... 3.75



Sautoir Pencil. Made in a beautiful assortment of colors coral, blue, purple, shell, mottled green and mottled red Gold filled trimmings. Eraser under cap. Each pencil put up in a neat box, with silk sautoir ribbon to match color of pencil. An assortment that sells.
No. 5184S. Per dozen..... Out

DAZEY CHURNS

Heavy, clear glass jar, with smooth finished neck; heavily plated screw cap top; hard, white maple dasher; cast frame and gears finished with double coat of aluminum bronze; perforated, removable strainer in cap.

Nos.	D20	D30	D40
Capacity, pts	4	6	8
Churning capacity, pts	2	3	4
Size of jar, ins	4¾x8	5¼x8½	6x9
Height over all, ins	12	13	14
Wt per doz, lbs	75	105	120
Per Doz	$42 00	54 00	69 00

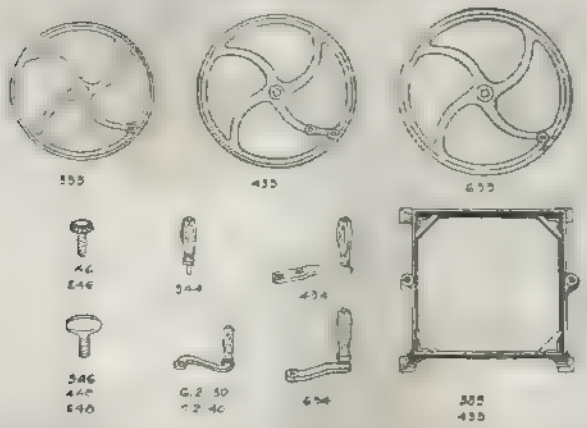
No. D20, one doz, Nos. D30 and D40, half doz in wood case.

EXTRA JARS
For Dazey Churns.

Nos.	20J	30J	40J
For churn Nos	D20	D30	D40
Wt per doz, lbs	50	65	80
Per Doz	$15 00	21 00	25 50

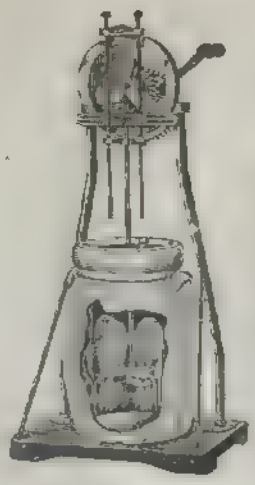
Packed loose.

REPAIR PARTS
For Dazey Churns.



No.	Handles.	Each
G-2-30	—For D 30 churn	$0 75
G-2-40	—For D 40 churn	75
344	—For D 300 churn	66
434	—For D 400 churn	90
634	—For D 600 churn	90
	Fly-wheels.	
333	—For D 300 churn	2 10
433	—For D 400 churn	2 85
633	—For D 600 churn	3 15
	Bases.	
335	—For D 300 churn	2 25
435	—For D 400 churn	2 85
	Thumb Screws.	
146	—For D 100 and 200 churn	15
346	—For D 300 churn	15
446	—For D 400 churn	15
646	—For D 600 churn	15

CHURNS



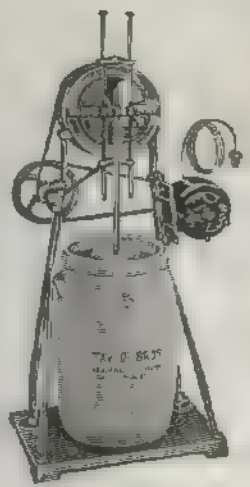
TAYLOR'S

Mechanical movement being cam and eccentric with perpendicular stroke and no side wise motions. Cam plate, roller and pin are all of steel accurately machined and fitted. Guide rods are made of spring steel. The dash rod is made of ¼ inch spring steel; dash or paddle made of maple. Can adjust stroke from 3 to 8 inches; crank handle can be adjusted from 7 to 10 inches; any jar from 3 to 5 gallons capacity can be used.

Nos.	T3	T4	T5	T6
Capacity, gals	3	4	5	6
Churning capacity, gals	½ to 2	1 to 2½	1 to 3½	1 to 4½
Wt each, lbs	38	40	45	50
Each	✚$15 75	✚16 50	✚17 25	✚18 00

(Sold in full crate lots only).
Two in crate.

CHURNS "Also Dept. 5."



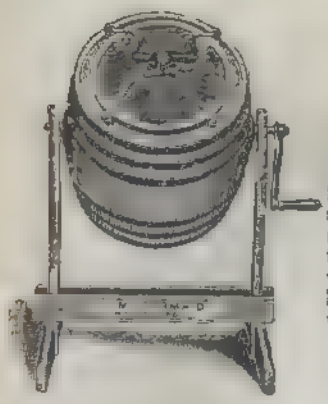
Mechanical movement being cam and eccentric with perpendicular stroke and no side wise motion. Cam plate roller and pin made of steel, accurately machined and fitted. Guide rods are made of spring steel. The motor is attached to any electric fixture by merely removing the bulb and screwing in plug. Complete with a smooth, white, double glazed, round deep top, light jar, with large cut under handles, broad flat rim inside, where the lid lays steady and prevents splashing or anything getting in. Dash rod is made of ⅛ inch steel spring. Dash or paddle made of maple.

Nos.	T5E-110	T5E-32
Capacity, gals	5	5
Volts	110	32
H. P.	⅛	⅛
Current	AC or DC	DC
Wt each, lbs	75	100
Each	✚$87 00	✚87 00

Two in crate.

✚F. O. B. Missouri Factory Only.

BARREL CHURNS



BELLE

Select white oak, varnished; cover painted red; cork packing in cover, with glass covered sight hole; steel bail; japanned malleable iron swinging trunnions and crank; plain wood handle; japanned steel hoops; 1 inch wide; bolted oak wood frame.

Nos.	0	1	2	3	4	5
Cap, gals	6	10	15	20	25	35
Churn cap, gals	3	4½	7	9	12	16
Height over all, ins	31¼	32	35	37	40	42
Floor space, ins	20x22	21x22	22x28	22½x26	29x32	28x32
Wt each, lbs	28	33	39	50	71	80
Each	$15 45	17 70	19 80	21 75	27 75	31 50

Shipped loose.

EXTRA CORK. For Belle Barrel Churns.

Nos.	0C	1C	2C	3C	4C	5C
For churns No.	0	1	2	3	4	5
Length, ins	30	37	42	47	51	53
Per Set	66	66	81	96	1 26	1 59
Add for postage, Net	*$0 03*	*03*	*04*	*04*	*04*	*04*

Packed loose.

CYLINDER CHURNS

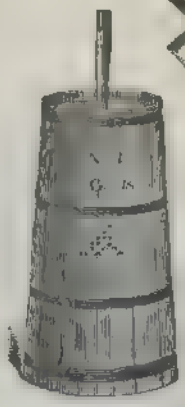
Selected white cedar, with two heavy galvanized iron hoops; reinforced ends; two wood feet screwed on. Fitted with malleable iron crank and patent thumb screw clamp lock which prevents leaking and is simple in adjustment. Removable hardwood double dasher; ⅛ inch drain hole, with hardwood plug; removable hardwood cover.

Nos.	03C	04C	07C
Capacity, gals	3	4	7
Churning capacity, gals	1½ to 2	2 to 2½	4 to 5
Height, ins	15	17½	19
Width, ins	9½	10½	13½
Diam, ins	13	15	17
Top opening, ins	5¾x6¾	7¼x7¾	8¼x9¾
Wt each, lbs	15	18	22
Each	$10 20	12 30	14 25

One in crate.

DASHER CHURNS

Selected cedar; natural finish, sunken lid, four brass hoops, lower hoop 1¼ inches, three upper hoops 1 inch wide.



Cap, gals	3	4	5	6
Height, ins	16	18	19	20
Diam top, ins	7½	8	9	10
Diam bot, ins	9½	10	11	12
Wt doz, lbs	108	120	160	168

Red Cedar.

Nos.	24R	23R	22R	21R
Per Doz	$82 50	90 00	99 00	107 25

Half doz in crate.

White Cedar.

Selected, seasoned Virginia white cedar, bound with electric welded hoops. Fitted with double acting hardwood dashers and sunken lids.

Nos.	WC3	WC4	WC5
Capacity, gals	3	4	5
Width top, ins	7¼	8	9
Width bottom, ins	10	10½	12
Height, ins	16	18	20½
Wt per doz, lbs	130	146	180
Per Doz	$39 60	44 25	$1 75

Half doz in crate.

OLD KENTUCKY HOME

1X tin; double seamed bottom; close fitting cover; wood dasher and handle.

Nos.	OK12C	OK20C
Capacity, qts	12	20
Height, ins	12	19
Diam top, ins	9	9
Wt per doz, lbs	86	18
Per Doz	$28 50	39 60

(Sold in full carton lots only).

Three in carton.

1X tin; carefully constructed; each churn fitted with wood dasher and handle.

Nos.	14	20
Capacity, qts	14	20
Height, ins	13½	19
Diam, ins	8½	8½
Wt per doz, lbs	42	72
Per Doz	$23 70	27 00

(Sold in full crate lots only).

Half doz in crate.

CHURN DASHERS

Natural hardwood dasher and handle, complete. For churns of 3 to 7 gal capacity.

No.	5X
For churns, gals	5
Wt per doz, lbs	14
Per Doz	$4 80

Packed loose.

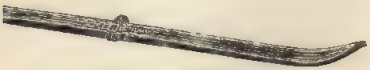
SKIIS

TELMARK

HICKORY PROFESSIONAL MODEL

Are the latest Norwegian design especially suited for ski riding and jumping. Made of carefully selected, straight grained second growth hickory. Finished in black with fancy grooved white stripes and two coats of shellac and waterproof varnish. Corrugated rubber foot rest. Double grooved bottom.

Nos.	Length, Feet	Wt. per Pair, Lbs.	Per Pair
H6	6	8	$7.50
H66	6½	8½	8.00
H7	7	9	8.50
H76	7½	10	9.50
H8	8	11	10.00



ASH EXPERT MODEL

A smooth running, well balanced ski, tough and pliable for rough country coasting and jumping. Made of selected, edge grained white ash finished in the natural shade of wood with two coats of shellac and waterproof varnish. Ornamented with carved stripes. Fitted with adjustable toe strap and corrugated rubber foot rest. Grooved bottom.

Nos.	Length, Feet	Wt. per Pair, Lbs.	Per Pair
AE5	5	7	$5.30
AE6	6	8	6.50
AE66	6½	9	7.00
AE7	7	9½	7.50
AE76	7½	10	8.25
AE8	8	10½	9.00

MAPLE CHAMPION MODEL

Easiest sliding ski. Made of the best selected hard white maple and is finished in a beautiful cherry shade with two coats of shellac and waterproof varnish. Ornamented with white carved stripes. Corrugated rubber foot mat; adjustable toe strap binding; grooved bottom.

Nos.	Length, Feet	Wt. per Pair, Lbs.	Per Pair
MC4	4	4½	$2.10
MC5	5	5	3.00
MC6	6	6	4.00
MC6½	6½	6½	4.50
MC7	7	7	5.00
MC7½	7½	7½	6.00
MC8	8	8	6.75

TELMARK SPECIAL

Made for amateur use from quarter sawed, long leaf yellow pine, guaranteed edge grain which makes them sliver proof. Finished with shellac and waterproof varnish in natural wood and black striped. With toe strap binding, rubber foot rest and grooved bottom.

Nos.	Length, Feet	Wt. per Pair, Lbs.	Per Pair
T4	4	3½	$1.60
T5	5	4	2.60
T6	6	5½	3.30
T66	6½	6	3.60
T7	7	6½	4.00
T8	8	8	4.75

All Above, Open Stock, Except Telmark Special, Six Pairs in a Bundle

SKIIS

TELMARK

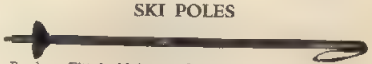
AMATEUR MODEL

Made of good quality Norway pine finished in natural color with shellac and waterproof varnish. Fancy grooved stripes; adjustable leather strap toe binding; rubber foot mat; grooved bottom.

Nos.	Length, Feet	Wt. per Pair, Lbs.	Per Pair
A3	3	2	$1.10
A4	4	2½	1.30
A5	5	3½	2.00
A6	6	5	2.60
A6½	6½	5½	3.00
A7	7	6	3.25

Six Pairs in a Bundle

SKI POLES



Bamboo. Fitted with improved snow washer attached to inner ring with rawhide. Self adjusting. Steel point; rawhide wrist thong.

Each

No. 1—Length, 4½ Feet; Weight Each, 1 Lb..... ..... **$2.00**

Hardwood. Fitted with solid corrugated self-adjusting metal washer. Steel point, rawhide wrist thong.

Each

No 2—Length, 4½ Feet; Weight Each, 1½ Lbs. **$1.30**

Hardwood. Fitted with rigid wood cup. Made especially for children's use.

Each

No. 3—Length, 4½ Feet; Weight Each, 14 Ounces **$0.65**

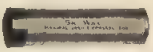
SKI BINDINGS

Made of best quality of leather, strengthened by rawhide, reinforced double stitched. Patent metal tightener and metal side plates. This harness is attached by means of two bolts passing through the mortise in the ski, holding the side plates rigid as shown in the cut above. Will fit any foot or ski.

Per Pair

No. E170—Weight per Pair, 1¾ Lbs... .... **$4.80**

SKI WAX



TELMARK

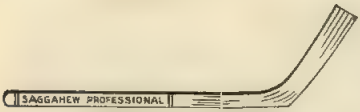
Has been found very useful when applied to the running surface of the ski in keeping soft, pasty snow from sticking and in making sliding easier in mild weather.

Per Doz. Tubes

No. T100—Weight per Dozen Tubes, 1½ Lbs. **$4.80**

Twelve Tubes in a Carton

HOCKEY STICKS



SAGGAHEW PROFESSIONAL

Are the shape and style of the handmade sticks. Made mostly from Northern, second growth ash, assorted with rock elm sticks. Are very tough and wil lie right on the ice.

Per Dozen

No. SPH—Assorted Handle Lengths, 40 to 44 Inches; 12 Inch Blades, 2¼ to 2½ Inches high **$18.00**

Note: Sticks will be sorted and stamped "Forward" or "Defense" or made left hand on special order.

YOUTHS' EXPERT

Made in youths' sizes and nicely finished. Will lie properly and are full beveled. Good grade, second growth ash.

Per Dozen

No. YEH—Assorted Handle Lengths..... **$11.00**

JUNIOR

For boys. Made from good grade white ash

Per Dozen

No. JH—Assorted Handle Lengths **$8.00**

Twelve in a Bundle

GAME TRAPS

SINGLE SPRING

For catching rats, weasels, skunks, muskrats, mink, racoons and other small animals; furnished with or without chain, snappy, strong and convenient traps.

BLAKE-LAMB

Nos.	Spread of Jaws, Inches	Dozen in a Barrel	Weight per Doz., Lbs.	Per Dozen With Chains	Per Dozen Without Chains
0	3⅝	30 to 50	3½	**$3.80**	**$3.30**
1	4⅜	30 to 40	5¼	**4.40**	**3.60**
1½	4¾	25 to 40	5⅝	**6.30**	**5.50**

DOUBLE SPRING

For fox, mink, racoon, otter, beaver, etc. The No. 4 will hold almost any animal smaller than a bear.

Nos.	Spread of Jaws, Inches	Dozen in a Barrel	Weight per Dozen, Lbs.	Per Dozen With Chains	Per Dozen Without Chains
2	5¼	15 to 20	9	**$10.00**	**$9.00**
3	6	10 to 15	12¾	**13.00**	.....
4	6¾	8 to 10	16½	**16.00**	.....

GAME TRAPS

VICTOR—SINGLE SPRING

Stamped from sheet steel; tempered springs; steel wire chain.

Small sizes for rat, gopher, weasel, etc.; larger sizes for muskrat, opossum, mink, skunk, racoon, etc.

Nos.	Spread of Jaws, Inches	Diameter Pan, Inches	Length Trap, Inches	Length Chain, Inches	Weight Per Dozen, Lbs.	Per Dozen
0	3½	1½	6⅞	16½	5	**$3.30**
1	4	1¾	8⅛	16½	7½	**4.00**
1½	4⅜	2⅛	9⅝	19¾	11½	**6.10**

VICTOR –DOUBLE SPRING

Stamped from sheet steel; tempered springs; steel wire chain.

Small size for catching fox, racoon, fisher, etc.; larger size for coyote, fox, badger, lynx, etc.

Nos.	Spread of Jaws, Inches	Diameter Pan, Inches	Length Trap, Inches	Length Chain, Inches	Weight Per Dozen, Lbs.	Per Dozen
2	4⅝	2⅛	14⅜	19¾	13¾	**$7.94**
3	5¼	2⅜	17	23	21½	**13.42**
4	5⅞			23	24½	**15.00**

VICTOR—GIANT

Stronger than No. 1 Victor and has a wider spread of jaws, therefore catches higher.

Per Dozen

No. G1—Spread of Jaws, 4⅞ Inches; Width of Pan, 2⅜ Inches; Lenth Trap, 8¼ Inches; Length Chain, 18 Inches; Weight per Dozen, 8½ Lbs. **$4.88**

ONEIDA—JUMP

Stamped from steel, tempered springs; steel wire chain.

Setter for jump traps enables the trapper to easily set them under the conditions he meets with while out on his line. With one turn of the wrist the spring is brought down and held in place, so that jaws can be opened and trap set.

Small size for catching rat, gopher, weasel, etc.; larger size for muskrat, skunk, opossum, mink, fox, racoon, fisher, etc. No. 3 size for wildcats, lynx and foxes.

Nos.	Spread of Jaws, Inches	Diameter Pan, Inches	Length Trap, Inches	Length Chain, Inches	Weight Per Dozen, Lbs.	Per Dozen
0	4	1¾	5⅝	16½	5½	**$ 4.14**
1	4¾	2¼	5⅝	18½	8	**4.76**
1½	5½	2⅜	6	19¾	9½	**6.96**
2	5¾	3⅛	7⅛	20¼	14	**10.74**
3	6¾			22	22	

NEWHOUSE

Single spring, double jaws. Jaw post riveted. Designed for animals as gnaw the foot. Excellent skunk trap.

Per Dozen

No. 91—Spread of Jaws, 5¼ Inches; Length Chain, 19½ Inches; Weight per Dozen, 10½ Lbs. **$12.00**

AMERICA'S MOST FAMOUS HORSEMAN

JOHN R. AGEE

PRESENTS THE WORLD'S GREATEST HORSE ACT

Setting A New Standard For Training — A Feature Everywhere Offered In 1924

CENTRAL STATES EXPOSITION, AURORA, ILL.
WISCONSIN, MICHIGAN and VIRGINIA STATE FAIRS
EASTERN STATES EXPOSITION, SPRINGFIELD, MASS.
TRENTON, N. J., FAIR

EVERY ACT *IN THIS CATALOG CONTROLLED EXCLUSIVELY*
BY **WORLD AMUSEMENT SERVICE ASSOCIATION, Inc.**
"SERVICE and SATISFACTION"

INCOMPARABLE IN ALL THE WORLD OF AMUSEMENTS

The - 5 - Jansleys

THE HIGHEST SALARIED OF ALL ATHLETIC TROUPES

Presenting an Amazing Display of Accuracy in Feats of Risley Foot-Work, Tumbling, Somersaults and Dangerous Evolutions

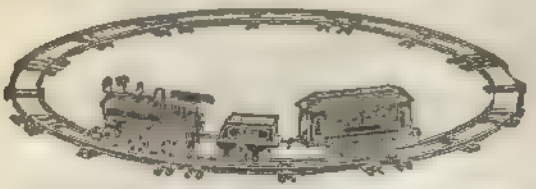
A Kaleidoscopic Whirlwind of Agile Maneuvers

EVERY ACT IN THIS CATALOG CONTROLLED EXCLUSIVELY BY WORLD AMUSEMENT SERVICE ASSOCIATION, Inc.
"SERVICE and SATISFACTION"

MECHANICAL TOY TRAINS

THE AMERICAN FLYER

It's easy to sell "American Flyer" trains because they are just what American Boys want.



This outfit consists of an iron speed governed locomotive with tender, one passenger car and eight pieces of curved track. The locomotive is enameled in black and thoroughly baked, trimmed with silver bands and with red, green and gold decoration. The gear casing of the locomotive is locked in the engine casting by a steel spring. Track, length over all 27 inches; engine and tender, length over all 10 ½ inches; length of coach 5 ½ inches; length of each track unit 10 ½ inches.

Per Doz Sets

No. 0—Wt each 3 lbs $48 00

One-twelfth doz sets in carton.

This outfit consists of an iron speed governed locomotive with tender, one passenger car and ten pieces of track, two straight and eight curved. The locomotive is enameled in black and thoroughly baked, trimmed with silver bands and with red, green and gold decorations. It is **equipped with piston rods and brake** and the gear casing of the locomotive is locked in the engine casting by a steel spring. Track, length over all 37 inches; engine and tender, length over all 10½ inches; length of coach 5½ inches; length of each track unit 10½ inches.

Per Doz Sets

No. 1—Wt each 3½ lbs $58 50

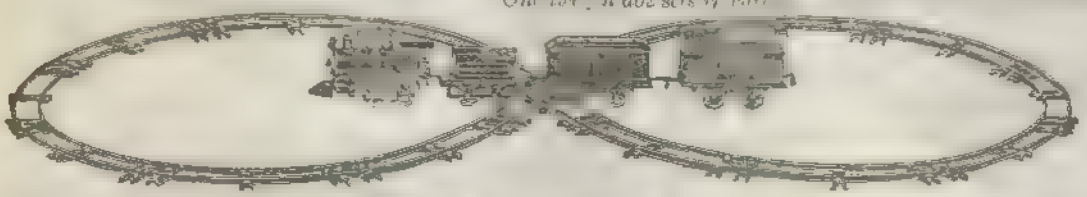
One-twelfth doz sets in carton.

This outfit consists of an iron speed governed locomotive with tender, one baggage and one passenger car; eleven pieces of track (three straight and eight curved). The locomotive is enameled in black and thoroughly baked; trimmed with silver bands and with red, green and gold decorations. It is equipped with piston rods, brake and the gear casing of the locomotive is locked in the engine casting by a steel spring. Track, length over all 37 inches; engine and tender, length over all 10½ inches; baggage car and passenger car, length each 5½ inches; length of each track unit 10½ inches.

Per Doz Sets

No. 2—Wt each 4 lbs $66 00

One-twelfth doz sets in carton.



This outfit consists of an iron governed locomotive with tender, one baggage and one passenger car, fourteen pieces of curved track and one cross-over. The locomotive is enameled in black and thoroughly baked, trimmed with silver bands and with green, red and gold decorations. It is equipped with piston rods, brake and the gear casing of the locomotive is locked in the engine casting by a steel spring. Track, length over all 167 inches; length of each track unit 10½ inches.

Per Doz Sets

No. 5—Wt each 4¾ lbs $90 00

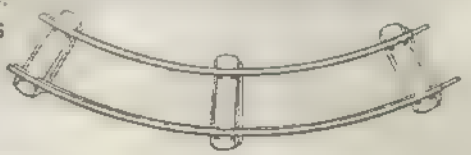
One-twelfth doz sets in carton.

EXTRAS FOR MECHANICAL TOY TRAINS

Straight Track. Per Doz Pieces

No. S—Length over all 10½ ins; wt per doz pieces 1½ lb $2 40

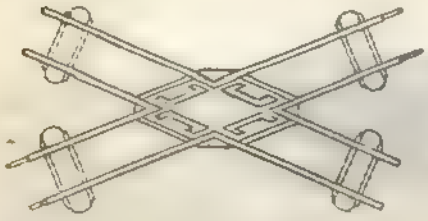
Four doz pieces in cardboard box.



Curved Track. Per Doz Pieces

No. C—Length over all 10½ ins; wt per doz pieces 1½ lbs $2 40

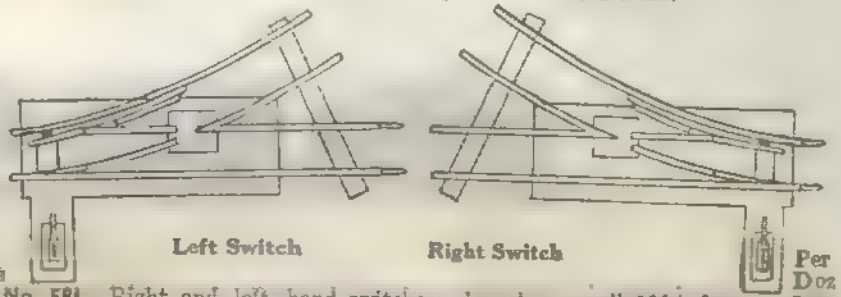
Four doz pieces in cardboard box.



Crossovers "X" Per Doz Pieces

No. MX—Length over all 10½ ins; wt each about 1 lb $3 50

One-twelfth doz sets in carton.



Left Switch **Right Switch**

No. FRL—Right and left hand switches; length over all 10½ ins; wt per pair about 2 lbs ..... Per Doz Pair $34 50

One-twelfth doz sets in carton.

Cruise away your cares with a COOPER-BESSEMER DIESEL

Recipe for care-free cruising is today (more than ever) a sleek, sturdy, long-lived, and ECONOMICAL Cooper-Bessemer Diesel. The finest yachts of 1940 — in every instance where owners insist on utmost, vibrationless *comfort*—will carry this superlatively smooth, engineeringly correct, sea-proved power.

Trouper

Largest Diesel yacht of 1939. Length 106' 9". Owned by an automotive pioneer. Designed by John H. Wells; built by Robert Jacob, Inc. *Power:* a pair of EN 8-cylinder Diesels, supercharged. (Total 1200 hp.)

Mobjack

Yacht, used also for pleasure trolling. Length 61'. Owner, George B. Upton, Boston. Designed by John G. Alden; built by George Gulliford. *Power:* Type EN four-cylinder Diesel, rated 118 hp at 550 rpm.

THE COOPER-BESSEMER CORPORATION

Mount Vernon, Ohio — PLANTS — Grove City, Pennsylvania

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Investment Bldg., Washington, D. C.
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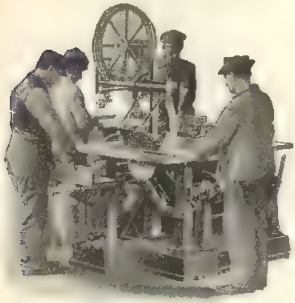
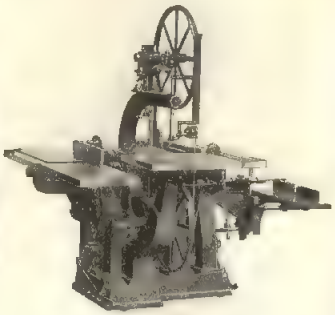
529 M & M Bldg., Houston, Texas
640 East 61st St., Los Angeles, Calif.
Calmes Engineering Co., New Orleans, La.
The Pacific Marine Supply Company, Seattle, Washington





The Crescent Universal Wood-Worker

Nos. 2826-51 to 2826-59

This machine is constructed on entirely different lines from other combination machines; and should not be classed as a combination, in the sense of a single machine that can be adapted for different uses. It is, however, a combination of machines each independent of the other, arranged compactly and self contained, so that all are driven by one main belt from the line shaft. There are no separate countershafts, but the machine has two drive shafts, so located on the base of the machine as to be entirely out of the way, the separate machines being driven from these two drive shafts.

It is not necessary to run more than one machine when only one is in use, but four persons may use different machines at the same time without hindrance.

There are five units proper, to the completed machine, viz., a band-saw, a jointer, a shaper, a saw-table and a borer. The machine is not sold with any of these omitted, except the band-saw By means of the special attachments, the machine is adaptable as a re-saw, hand-feed molder, tenoner, panel-raiser, pole-rounder, disk-grinder, knife-grinder, plain grinder and hollow-chisel mortiser.

These machines are made up with various sizes of machines, for example, the **No. 2826-51** machine combines an 8" jointer and 26" band saw. The **No. 2826-55** machine has a 12" jointer and 32" band-saw, etc.

Full information on request.

Crescent Universal Wood-Worker

Nos. 2827-101 to 2827-112

This new model of Wood-Worker is a remarkable machine for its capacity, completeness and compact form. While it is in no sense a light machine, it is, nevertheless, lighter in weight than the Crescent No 51 to 59 Universal Wood-Worker. It will satisfactorily do the same kinds of work, without serious sacrifice in point of convenience and workmanship. In cases where the additional weight and price are not of prime importance the heavier model, No. 51 to 59 is recommended, but when lighter weight or lower price are considered necessary, then this No. 101 to 112 model will be found a most efficient tool, and a splendid value for the money.

The machine proper consists of five principal parts, viz.: band-saw, jointer, saw-table, shaper and borer. These are so mounted that either of them can be used independently, each being provided with a separate lever for starting and stopping the particular machine used; and the other machines that are not in use are not in motion. It is quite practical for as many as four of the machines to be in use at one time and each of the four operators can control his own machine independently of the others, and without interference on some classes of work.

"Oliver" Band Saw 18-inch

No. 2823-192

Most Complete Portable Band Saw Ever Made

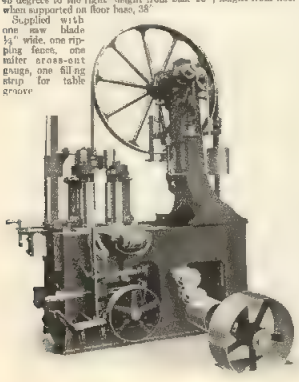
The **No. 192** is a self-contained portable machine, regularly fitted with motor, cord and switch ready for use, but it can also be furnished with tight and loose pulleys for belt drive.

It takes 18" between saw and column 8" high under upper guide can use saws up to ⅝" wide, by using gauges will rip up to 11" wide and will cross-cut and miter up to 8"; table tilts 45 degrees to right.

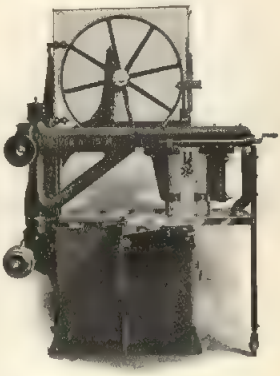
Wheels are cast iron, 18" diameter, 1¼" face, covered with rubber; run in Ball Bearings; both wheels completely guarded with steel doors, speed 770 R. P. M. Upper wheel has 4" vertical adjustment.

Table is cast iron, well ribbed, accurately machined; 24" wide, 20" long, carries a ripping fence and a miter cross-cut gauge, tilts 45 degrees to the right; height from base 20", height from floor when supported on floor base, 38".

Supplied with one saw blade ⅛" wide, one ripping fence, one miter cross-cut gauge, one filling strip for table groove.



Combination Re-saw and Band Saw



No. 2824-15R

We recommend this as a general utility tool of more than the ordinary merit.

With its 2½" re-saw blade, expensive lumber, such as white pine, cherry, mahogany, etc., can be made thin without making shavings of over half of it. The almost universal rule in practice today is to plane down a 1" board (or 2" if you haven't a 1" in stock) to get ⅛", ¼" or ½" thickness, and with pattern or other lumber at one hundred dollars or more per thousand feet, the economy is enormous if the waste may be avoided.

Three Speeds. 10', 15', 20' per minute in its capacity.

Economy.—Change from re-sawing to ordinary band sawing is instantly effected by swinging the arm carrying the two corrugated power-driven rolls out of the way and changing saws.

Capacity.—Will re-saw 16" wide, 8" thick.

Weights. 4,000 lbs.

Horse Power.—7½ to 10. Belted or direct connected motor drive may be furnished.

Band Re-Saw

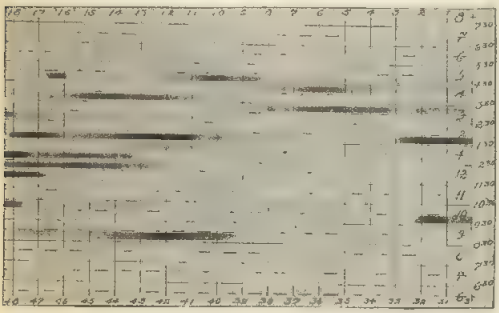
No. 2825-219

48' Wheels, Carries 4" or 5" Saws. Tilting Rolls. Rolls Recede 6" on Either Side of Saw. Will Feed Stock 50" Wide. Rolls Adjust to and from the Saw.

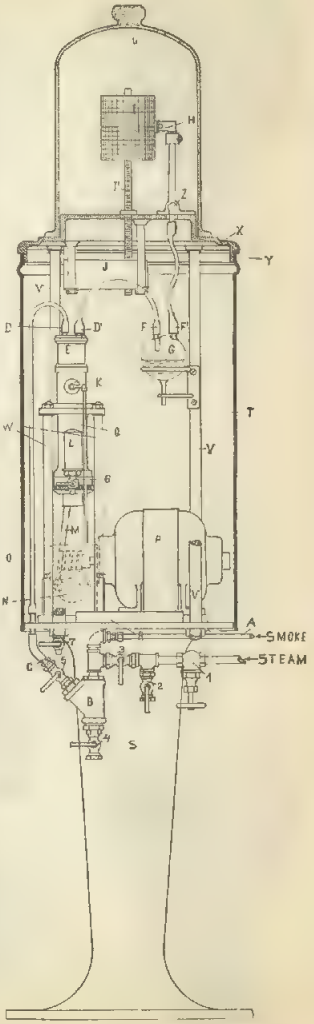
In design this machine is a first class Resaw in all respects convenient and accurate in adjustment, durable, powerful, and economical to operate. It was gotten up to meet the demand for a first-class tool which can be sold at a moderate cost. It is well suited to do all sorts of resawing, such as pictures backing and veneers, where accuracy is required, as well as resawing panels, box boards, bevel sidings, etc. Pieces as short as 8 inches or less can be sawn with safety. It is especially adapted to the requirements of sash and door factories, furniture factories, planing mills, etc. Saws as thin as 23 gauge or thinner may be used removing a saw kerf of less than 1-20th of an inch.

The Eddy Smoke Recorder

The Eddy Recorder furnishes the only accurate means of conducting a smoke test on an individual furnace when that furnace is one of a battery all using a common breeching, the chief difficulty with smoke occurs in the banking and cutting of fires. The fireman consulting the recorder shows when to speed up or check the grate travel and the draft; in action a sample of coloring matter from the smoke laden gas of a furnace is blown on the white paper chart, the movement of the chart is regulated with the rest of the mechanism, with the result that the density of the sample is the same as the smoke density emitted from the top of the stack. The chart has a capacity of fourteen hours; is ten inches long and four inches wide; is cross sectioned for time so that violations may be identified. The use of an Eddy Recorder will raise to a higher standard an improper installation and will insure the success of a good one, no matter how perfect the equipment may be it requires constant, minute attention. It will save money if it reduces or stops the escape of unburned fuel, and it will reduce or stop smoke for the reason that the fireman can view the record sheet and be guided in the handling of his furnace. Can be fitted to any hand-fired installation.



Section of Graphic Record



Specifications

Height over all, 58 inches. Diameter, 12 inches. Electric motor drive, ⅛ H P., A. C. or D. C. Pump, outside plunger packed, pump valves operate in oil cushion. Speed of 55 discharges impulses per minute effected through a worm and gear reduction. Consists of 80 feet of copper tubing coupled, moisture trap with fittings, 100 recording charts, pack thread and brush for cleaning nozzle, glass funnel and breaker for charging the dryer, installation chart and directions for operation and care.

Price complete $500.00

SYDNEY RINK Presents

GUNPOWDER AND COMPANY

The "T-N-T" of All Comedy Mule Acts

The All Southern 100% Afro-American Laugh-Distributing Cyclone

The Most Stubborn—Doggoned · Kicking—Biting—
Chasing—Rearing—Devilish Mule in Captivity

GENUINE SOUTHERN BUCKING MULE RIDERS

EVERY ACT IN THIS CATALOG CONTROLLED EXCLUSIVELY BY WORLD AMUSEMENT SERVICE ASSOCIATION, Inc.
"SERVICE and SATISFACTION"

THE PRIDE OF ITALY

VIRGIL The Florenis BLANCHE

EUROPEAN POSEURS AND EQUILIBRISTS

Extreme Acrobatics on the Revolving Pedestal
Whirling in Kaleidoscopic Rhythms

A GRACEFUL, SKILLFUL, COLORFUL EXHIBITION

They Also Do a Strenuous Second Act Sparkling With Novelty

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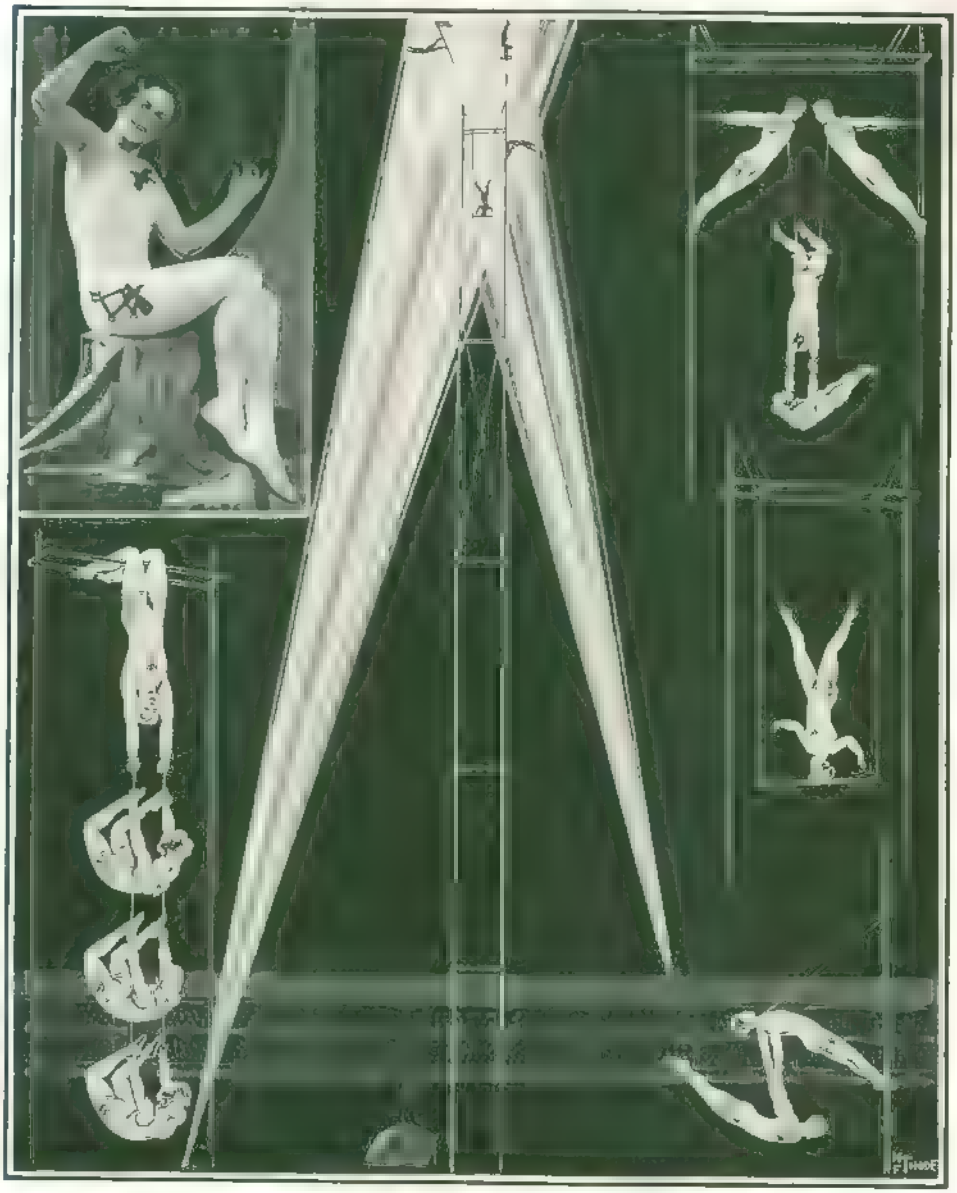
"SERVICE and SATISFACTION"

'Twixt Heaven and Earth

The Four Sensational Elliotts

THE SPORTS OF ANCIENT ROME OUTDONE



ABSOLUTELY THE HIGHEST AERIAL ACT IN THE WORLD

102 FEET HIGH

PERFORMING WITHOUT PROTECTION OF NETS OR SAFETY DEVICES OF ANY KIND

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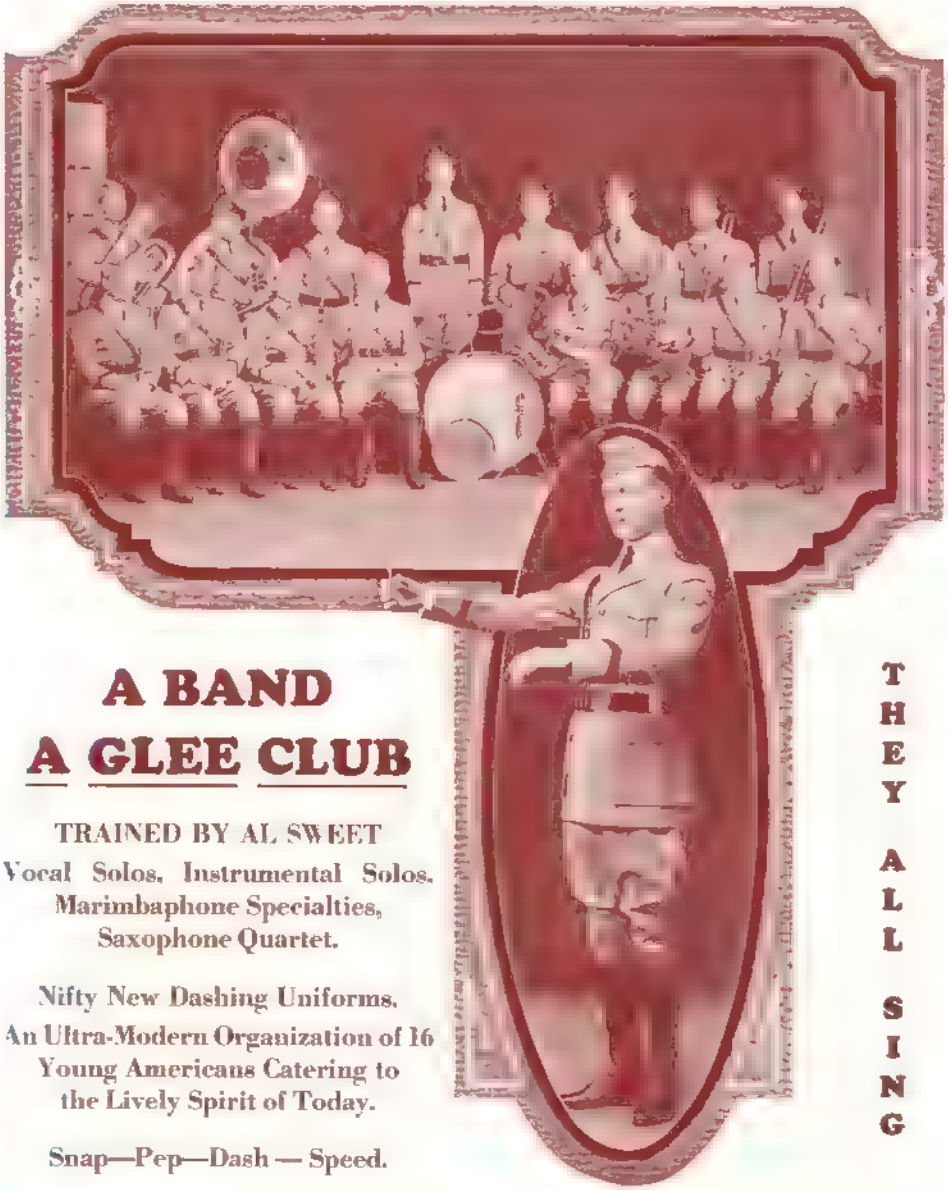
"SERVICE and SATISFACTION"

The Chicago Cadets

Under the Direction of **Everett Johnson**

A BAND
A GLEE CLUB

TRAINED BY AL SWEET

Vocal Solos, Instrumental Solos,
Marimbaphone Specialties,
Saxophone Quartet.

Nifty New Dashing Uniforms.
An Ultra-Modern Organization of 16
Young Americans Catering to
the Lively Spirit of Today.

Snap—Pep—Dash — Speed.

THEY ALL SING

YOUTH IN ALL ITS MAD, MERRY, MUSICAL WHIRL

The Chicago Cadets

EVERY ACT IN THIS CATALOG CONTROLLED EXCLUSIVELY BY **WORLD AMUSEMENT SERVICE ASSOCIATION, Inc.**

"SERVICE and SATISFACTION"

ENTHUSIASM everywhere—unbounded enthusiasm. The returns on the new Hupmobile Eight are rolling in. Dealers are reporting that everyone who drives this wonderful Eight wants one on the spot. They all say that they have never had such a completely delightful motoring experience. That is because the Hupmobile Eight brings something *distinctly new* to modern motoring. You'll get it before you've driven five miles—and you won't get it unless you drive this Eight.

REDUCED PRICES

Four body types, not excelled within $1000 of their prices in beauty, finish and equipment. Five-passenger Sedan, $2195; Four or Two-passenger Coupe, $2095; Touring Car and Roadster, $1795. Prices F. O. B. Detroit; tax to be added. Equipment includes balloon tires, bumpers front and rear, snubbers, transmission lock, automatic windshield cleaner, rearview mirror. ¶Hupmobile four-cylinder cars, in a complete line of popular body types, at prices which make them the outstanding value in their field.

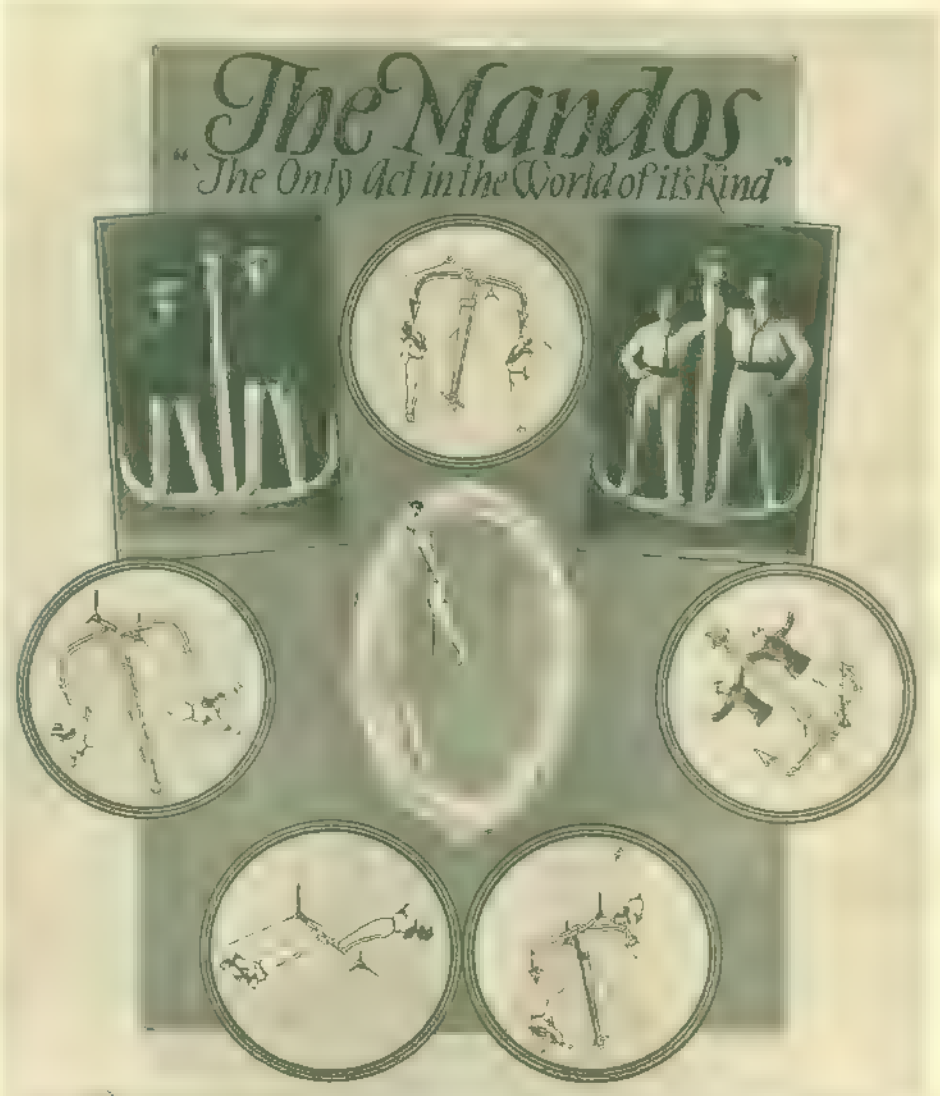
GET ACQUAINTED WITH YOUR HUPMOBILE DEALER HE IS A GOOD MAN TO KNOW

THE HUPMOBILE EIGHT

DIRECT FROM THE CONTINENT

THE MANDOS

AN AERIAL COMBINATION OF MERIT



IN THEIR MARVELLOUS DOUBLE WHIRLWIND ACT

POSITIVELY FIRST AMERICAN TOUR

Aerialistics - Strength - Daring - Dexterity

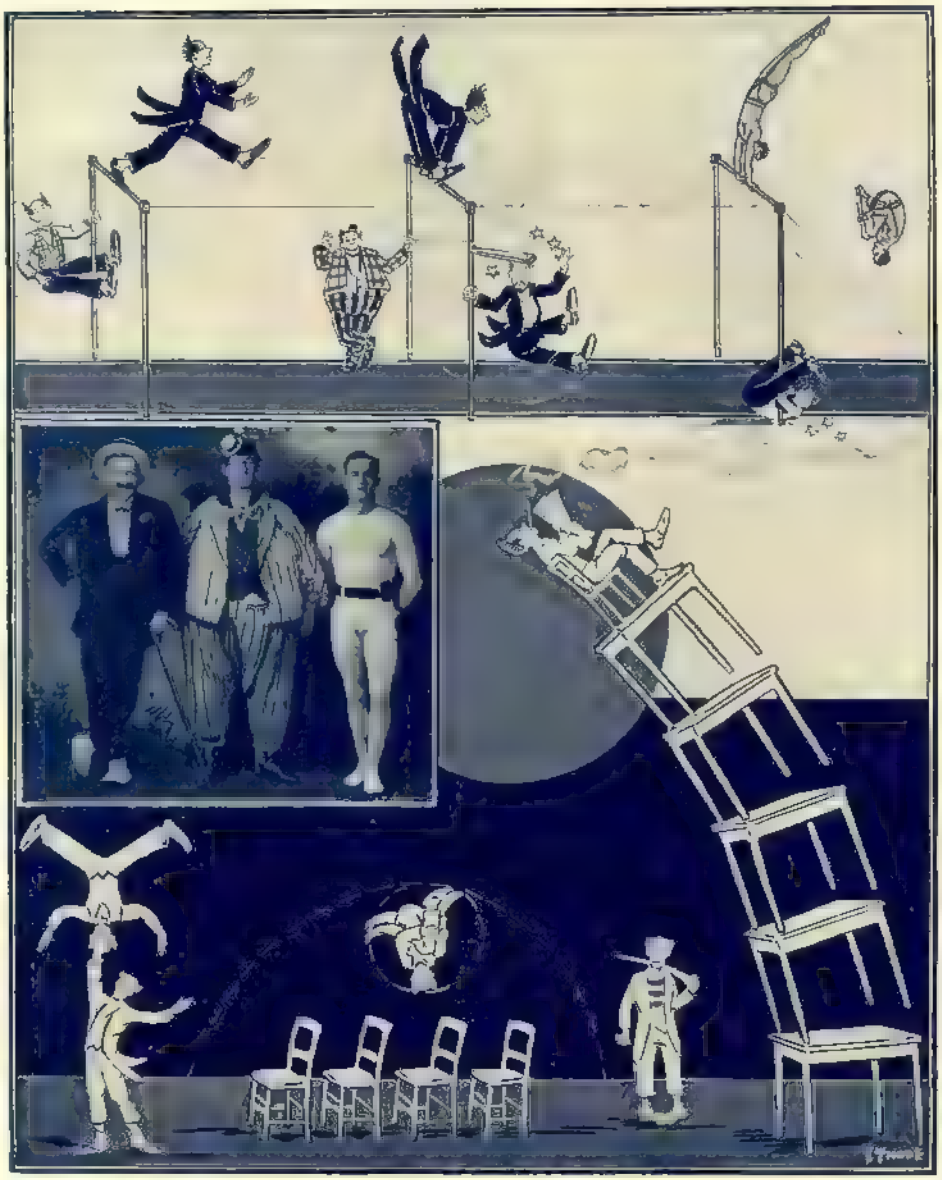
A THRILLING FINISH – A SMASHING CLIMAX

EVERY ACT *IN THIS CATALOG CONTROLLED EXCLUSIVELY* BY **WORLD AMUSEMENT SERVICE ASSOCIATION, Inc.**
"SERVICE and SATISFACTION"

Pleasing, Nerve Tingling, New Joy

MAXWELL TRIO

HIGH BROWS WHO REVEL IN LOW COMEDY



HORIZONTAL BAR FUNSTERS

A Double Punch Sensation and Comedy Mixed

Second Act-- Crazy Acrobats and the Falling Tables

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"SERVICE and SATISFACTION"

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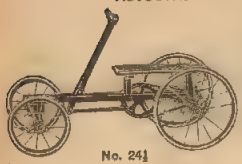
THE PIONEER LINE

HAND CARS
ADJUSTABLE CHAIN DRIVE



No. 24½

Wheel base, 27 inches. Built for children 3 to 8 years of age. Frame rails, 1x⅛-inch flat steel, well braced; tread, 16 inches; seat 12 inches from floor. Wheels red enamel, other metal parts baked enamel; seat painted in natural and ornamented with transfers.

No.	Size of wheels	Size of rubber	Wt. each	Each
24½	10 and 14 in.	⅛ in.	29 lbs.	$15.00

GEAR DRIVE

No. 221

Wheel base, 27 inches. Built for children 3 to 8 years of age. Frame rails, 1x⅛-inch flat steel, well braced; feet guides on front axle; seat, 12 inches from floor. Wheels, red enamel, yellow striped, with hub caps; other metal parts black baked enamel; seat finished in mahogany, striped and decorated. Front wheels, 8-inch, plain bearing disc, with ½-inch rubber tires; rear wheels, 12-inch with ⅝-inch rubber tires.

No.	Size of wheels	Wt. each	Each
221	8 and 12 in.	30 lbs	$16.00

One in a carton, 32 lbs.

No. 111

Wheel base, 22 inches. Built for children 2 to 4 years of age. Frame rails, ¾x⅛-inch; seat, 10½ inches from floor. 8-inch plain bearing disc wheels in front; 10-inch plain bearing disc wheels in rear, with ½-inch rubber tires, red enameled, striped in yellow; seat finished natural with transfer and striped.

No.	Size of wheels	Wt. each	Each
111	8 and 10 in.	18 lbs.	$12.00

Two in a carton.

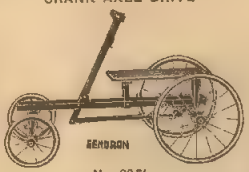
HAND CARS
GEAR DRIVE

NOS. 22½ AND 22½-BB

Steel frame, built for children 3 to 8 years of age; frame rails 1x⅛-inch flat steel, well braced. Wheel base 27 inches, tread 16 inches, seat 12 inches from floor. Wheels red enamel, other metal parts black baked enamel; seat finished in natural and ornamented with transfers.

No.	Size of wheels	Size of rubber tire	Wt. each	Each
22½	10 and 14 in.	⅛ in.	33 lbs.	$14.00
22½-BB	Ball-bearing wheels, otherwise same as No. 22½			18.00

CRANK AXLE DRIVE



No. 20⅜

Steel frame, built for children 3 to 8 years of age; frame rails 1x⅛-inch flat steel, well braced. Wheel base 26 inches, tread 16 inches, seat 12 inches from floor. Wheels red enamel, other metal parts black baked enamel, seat finished in natural and ornamented with transfer. Rubber tires, ⅜-inch

No.	Size of wheels	Size of rubber tire	Wt. each	Each
20⅜	8 and 14 in.	⅜ in.	25 lbs.	$10.50

GEAR DRIVE

No. 11½

Steel frame, built for little tots, 2 to 4 years of age; frame rails ¾x⅛-inch flat steel, well braced; gear drive construction; wheel base 22 inches, tread 12 inches, seat 11½ inches from floor. Wheels red enamel, other metal parts black baked enamel; seat painted red and ornamented with transfers.

No.	Size of wheels	Size of rubber tire	Wt. each	Each
11½	8 and 10 in.	½ in.	24 lbs.	$10.00

All above, one in a carton.

WHEEL GOODS

THE PIONEER LINE

VELOCIPEDES

TRUSS FRAME—PLAIN BEARING

Truss frame, plain bearing velocipede, with an extra wide rear axle with center support. Nickel plated, Kelly adjustable style handle bars with rubber grips. Strong saddle, padded top and coil springs; nickel plated drop-forged cranks; rubber pedals, plain bearing. Frame enameled in red and striped.

With ¾-inch rubber tires on front and rear wheels.

Nos.	15	16	17
Front wheel, inches	14	16	20
Rear wheels, inches	9	12	14
Leg measurement, inches	14	14	18
Weight per carton, lbs.	21	25	27
List, each	$13.00	14.00	15.00

One in a carton.

TRUSS FRAME—PLAIN BEARING

Extra wide axles with center support and backbone truss. Full nickeled, adjustable handle bars, with leather grips; has a bicycle head. Frame enameled in carmine maroon and striped, wheels, cranks and pedals, red enameled; nickel plated hub caps. Rubber pedals.

With ⅞-inch front and rear rubber tire wheels.

Nos.	11	12	13
Front wheel, inches	16	20	24
Rear wheels, inches	12	14	16
Leg measurement, inches	16	18	20
Weight per carton, lbs.	22	25	28
List, each	$12.00	14.00	15.00

One in a crate.

STANDARD

Frame of heavy oval steel with malleable iron forks. Front wheel with one-piece crank. Adjustable handle bars, with rubber grips. Improved leather saddle. Baked blue enamel frame and fork, with red enamel wheels.

With ½ inch front and rear rubber tire wheels.

Nos.	ORT	6	7	8
Front wheel, inches	14	16	20	24
Rear wheels, inches	9	12	14	16
Leg measurement, inches	14	16	18	20
Weight per carton, lbs.	15	17	21	25
List, each	$8.50	9.50	10.50	11.50

One in a carton.

VELOCIPEDES

The "E" Line

Frame and fork is half oval steel, with forward extension handle bars, natural finished wood grips; improved fibre saddle. Frame and fork, baked black enamel; wheels, red enamel, baked.

Rubber tire wheels, ⅛-inch front and ⅜-inch rear.

Nos.	I/T	0-ER	1-ER	2-ER	3-ER
Front wheel, inches	12	14	16	20	24
Rear wheels, inches	8	9	12	14	16
Leg measurement, inches	11	14	16	18	20
Weight per case of 3, lbs	42	43	48	62	72
List, each	$6.00	6.00	6.50	7.50	8.50

Three in a case.

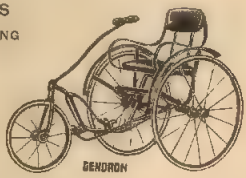
Steel tire wheels.

Nos.	0-E	1-E	2-E	3-E
Front wheel, inches	14	16	20	24
Rear wheels, inches	9	12	14	16
Leg measurement, inches	14	16	18	20
Weight per carton, lbs.	13	14	20	25
List, each	$6.00	6.50	7.50	8.50

One in a carton.

TRICYCLES

BALL BEARING

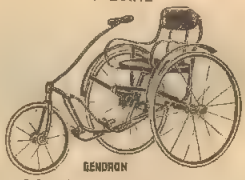


This tubular frame tricycle compares in style and quality with the best and strongest made. The frame is constructed entirely of seamless tubing, with malleable joints. No. 32 has ¾-inch rubber tires; No. 72 has 1-inch rubber tires and nickel plated spokes and nipples, built the same as bicycle wheels.

No.	Side wheels	Front wheel	Wt. each, crated	Each
32	20 in.	12 in.	55 lbs.	$30.00
72	24 in.	14 in.	89 lbs.	45.00

One in a crate.

SPECIAL



Frame and pedal rods, polished round steel, enameled in red. Handle bar nickeled, with leather grips. Seat rails nickeled, upholstered in leatherette. Springs under seat—real springs, not springs in appearance only. Fenders steel, finished to match frame; wheels enameled red. ⅝-inch rubber tires on both front and rear wheels. For girls 3 to 7 years.

No.	Side wheels	Front wheel	Wt. each, crated	Each
42	20 in.	12 in.	50 lbs.	$26.00

One in a crate.

PEERLESS AND INTREPID AERIALISTS

THE CHRISTENSENS

TWO SENSATIONAL AND DIFFERENT ACTS

Act 1—Wonderful and Unexcelled Performance on the High Flying Double Trapeze.

Act. 2.—Swinging Ladder Sensation by Lady.

Elaborate Wardrobe=Complete Apparatus

EVERY ACT IN THIS CATALOG CONTROLLED EXCLUSIVELY BY WORLD AMUSEMENT SERVICE ASSOCIATION, Inc.
"SERVICE and SATISFACTION"

COMEDIANS WHO ARE ACROBATS

The Roy Thomas Trio

THREE FAMOUS CLOWNS WHO REALLY ENTERTAIN

THREE SEPARATE PERFORMANCES

One Uproarious Stage Act

And Two Track Numbers

"LAUGHS, YELLS AND SCREAMS"

EVERY ACT *IN THIS CATALOG CONTROLLED EXCLUSIVELY* BY **WORLD AMUSEMENT SERVICE ASSOCIATION, Inc.**

"SERVICE and SATISFACTION"

Europe's Surpassing Acrobatic Sextet

THE SIX ROCKETS

Surprising Novelties on the Roman Ladders

ATHLETIC BEAUTIES IN PICTURESQUE POSING
THE HUMAN TOP—THE MUSICAL RISLEY

Arabian Pyramid Building

EVERY ACT *IN THIS CATALOG CONTROLLED EXCLUSIVELY*
BY **WORLD AMUSEMENT SERVICE ASSOCIATION, Inc.**
"SERVICE and SATISFACTION"

HUBBARD'S MULES

14- WELL BRED SPIRITED ANIMALS MULES THAT ARE DIFFERENT -14

CUT DOWN YOUR RACES AND VARY WITH THIS WONDERFUL NEW PROGRAM

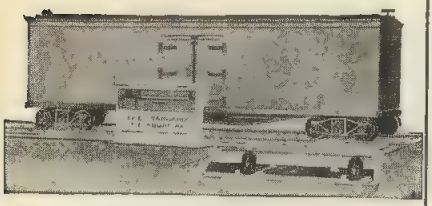
FIVE SEPARATE REMARKABLE DISPLAYS

1. Half Mile Chariot Race—Two Teams of Four Mules
2. High School and Fancy Driving Team
3. Dappled Fawn Mule Team Exhibition
4. Mule Tandem Team in an Exhibition of Hurdle Jumping
5. Beautiful Night Act With Novel Electric Hitch

SUPERLATIVE ACTS TO BUILD UP YOUR TRACK PROGRAM

ASK THE DANVILLE, ILL., DONNELLSON, IOWA, HUTCHINSON, MINN., LODI AND LA CROSSE, WIS., FAIRS

Railroad Track Scales



Our latest extra heavy iron frame "The Standard" track scales are everywhere known as durable, accurate and well adapted for railway use and large industries.

The standard gauge of track is 4 feet 8½ inches, and will be understood to be desired unless other gauge is specified.

They may be installed with steel construction instead of timber, especially suitable for use in hot climates and other localities.

These scales are usually fitted with improved single beam, but double, tripie or gridiron beams, which are the various types used in collieries, will be furnished when ordered with the scales.

Prices do not include foundation or material for framing scales, which are furnished by purchaser.

Short iron pillar beam fixtures, or beam box furnished when desired at extra price.

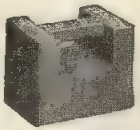
Railroad scales furnished to be built with third or dead rail when so ordered, at extra price for metal supports, upon application.

Number	Platform, Feet	Capacity, Tons	Price
4104	6	30	On Application
4108	6	50	
4112	6	70	
4114	8	80	

Prices on larger or smaller sizes quoted on application.

United States Standard Weights

Weights for Even Balance Scales



Test Weights

Nest Weights

Square Iron Test Weights

No.	Weight	List Price
3586	50 pounds	$7.50
3588	25 pounds	5.00
3590	20 pounds	4.50
3592	10 pounds	3.50
3594	5 pounds	2.00
3596	2 pounds	2.50
3598	1 pound	1.75

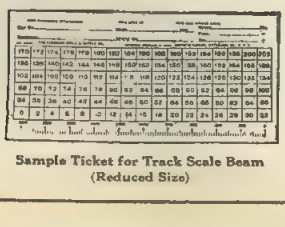
Nest Weights in Sets

No.	Capacity	Iron		Brass	
		Rough Nickel	Polished Nickel	Lathe Finish	Nickel Plated
11305	2 lbs. x ¼ oz.	$ 1.40	$ 3.65	$ 6.45	$ 7.45
11304	6 lbs. x ½ oz.	2.30	5.55	13.65	15.25
11303	8 lbs. x ½ oz.	2.60	6.10	16.85	18.85
11197	10 lbs. x ½ oz.	3.05	7.05	20.45	22.45
11302	16 lbs. x ½ oz.	3.95	8.45	30.05	32.25
11306	25 lbs. x ½ oz.	5.60	11.55	45.25	48.20

Single Weights

11307	¼ oz	.15	.35	.45	.55
11308	½ oz	.15	.40	.45	.55
11309	1 oz.....	.15	.40	.45	.55
11310	2 oz.	.15	.40	.60	.70
11311	4 oz	.15	.45	.85	.95
11312	8 oz.....	.20	.55	1.20	1.35
11313	1 lb	.30	.75	2.00	2.25
11314	2 lbs.....	.45	.95	3.60	3.90
11315	4 lbs.....	.75	1.50	6.80	7.20
11316	8 lbs	1.35	2.35	13.20	13.70

Reed Recording Beam



Sample Ticket for Track Scale Beam
(Reduced Size)

For Railroad Track and Wagon Scales

The recording beam shown in this illustration is the most satisfactory device yet invented for obtaining a correct record of weights. Its simplicity of construction, absolute accuracy of record of weight at one operation cannot be surpassed. Movement is not affected by wear, dirt or weather.

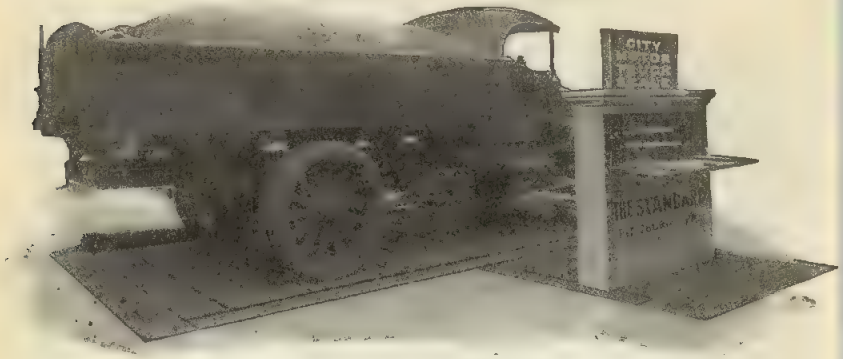
Correct weight can be had in less time than by reading beam, and record obtained can be referred to at any time, which is valuable evidence in case of disputed weights.

Our beam with attachment can be applied to any make of scales.

Recording Ticket

Cut shows ticket (reduced size) for 100-ton full capacity beam for railroad track scales. Ticket is placed before beam in receiver, and when correct position of poise is attained a touch of the ticket holder will make a hole in ticket, indicating number of pounds in unmistakable manner. The tickets for other scales are arranged upon the same principle, differing only in size and capacity.

Standard Motor Truck Scales



Note the Load on Rear Axle

The use of Auto Trucks for carrying heavy loads has created a demand for a much heavier type of scale than wagon scales. This is necessary for accurate weighing and to guard against accidents which may occur on the scales of insufficient capacity

These scales are of railroad type, having self-aligning pendulum bearings with big adjustment; self-centering blocks on top of pivot and at supporting point on the pendulum. Length of pendulum is sufficient to be effective in absorbing shocks, thrusts and deflections, therefore, oscillation on the knife edges is practically nothing. The yokes that bear upon the bearing links are braced laterally.

The "Standard" Wagon Scale is not suitable for weighing auto trucks, due to the fact that about 70% of the load on a motor truck is carried on the rear axle, which will usually crush an ordinary wagon scale, which is designed for loads distributed equally

Full capacity Double Beam. Tare bar, 6 tons.

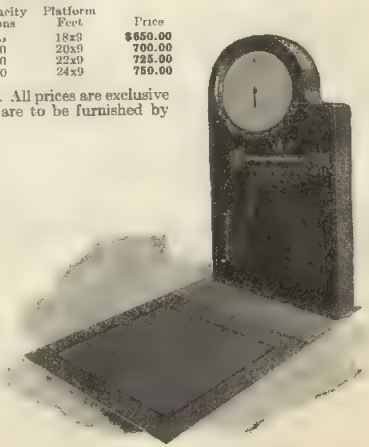
Suspended Bearing				Rigid Bearing			
No.	Capacity Tons	Platform Feet	Price	No.	Capacity Tons	Platform Feet	Price
8186	15	18x9	**$875.00**	8187	15	18x9	**$650.00**
8200	15	20x9	**900.00**	8203	20	20x9	**700.00**
8202	20	20x9	**1050.00**	8215	20	22x9	**725.00**
8214	20	22x9	**1075.00**	8229	20	24x9	**750.00**
8228	20	24x9	**1100.00**				

Platforms wider than 9 feet increase price $4.00 per inch. All prices are exclusive of the timber, steel, beam box and foundations, which are to be furnished by purchaser.

Standard Automatic Dial Scales

Constructed entirely of metal, self-contained and ready to place on foundation.

The bearing surfaces in dial are rolling in links which eliminates practically all wear and jar, an essential in automatic scales.



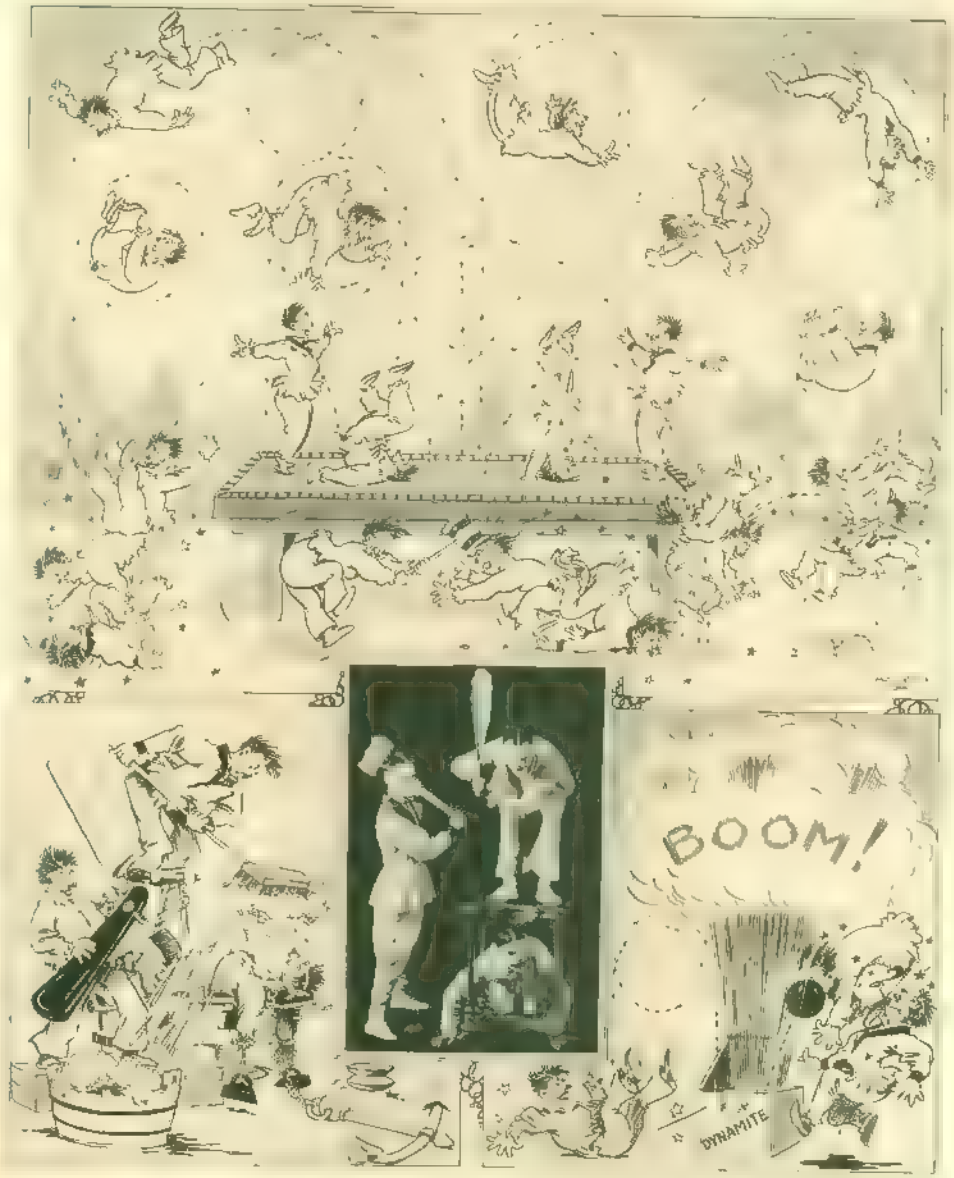
Standard Automatic Dial Scale

Sizes and Specifications

Total Capacity in pounds	Dial Circle indicate in pounds	Attachment to make Dial Circle Indicate in pounds	Tare Beam in pounds	Platform in inches
3,500	1,000x2	2,000x2	500x2	48x36
3,500	1,000x2	2,000x2	500x2	48x48
3,500	1,000x2	2,000x2	500x2	72x48
8,750	2,500x5	5,000x5	1,250x5	48x48
8,750	2,500x5	5,000x5	1,250x5	72x48
8,750	2,500x5	5,000x5	1,250x5	96x72
17,500	5,000x10	10,000x10	2,500x5	72x48
18,500	5,000x10	10,000x10	2,500x5	96x72

Funny Fellows Furnishing Frivolity in a Fast and Furious Fashion

THE THREE GEORGES



THREE SEPARATE APPEARANCES

One Stage Act Combining Comedy Acrobatics and Trampoline
Two Circus Clown Numbers on the Track

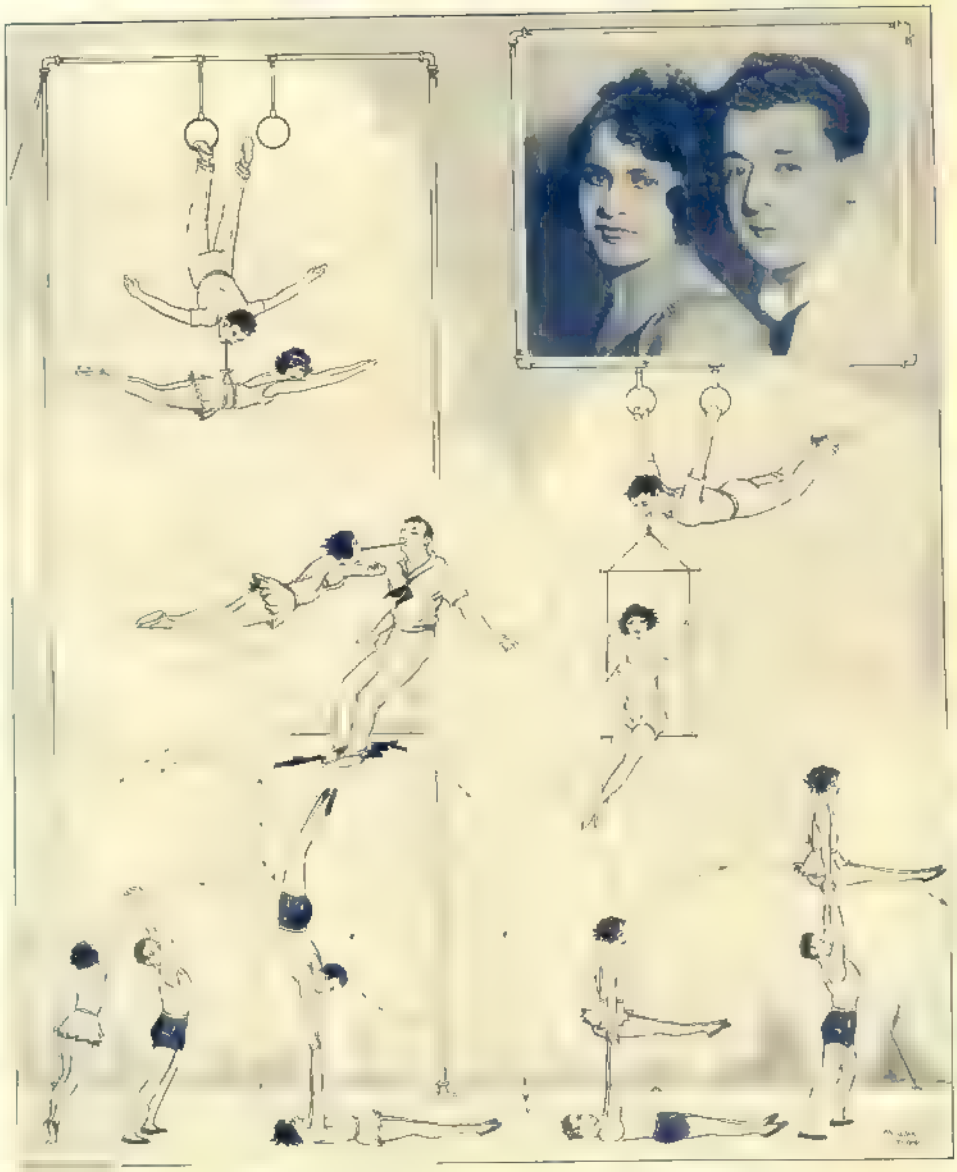
RUSHING RIOTS OF LAUGHS AND THRILLS

EVERY ACT IN THIS CATALOG CONTROLLED EXCLUSIVELY BY WORLD AMUSEMENT SERVICE ASSOCIATION, Inc.
"SERVICE and SATISFACTION"

Pulsating With Action, Life and Beauty

THE PARRINES

Two Unusual and Distinct Acts



Combination Rings and Trapeze | Hand Balancing Flexible Frolics

Diversified Exhibition of Posturing

The Nectar of Success, Laurel-Crowned

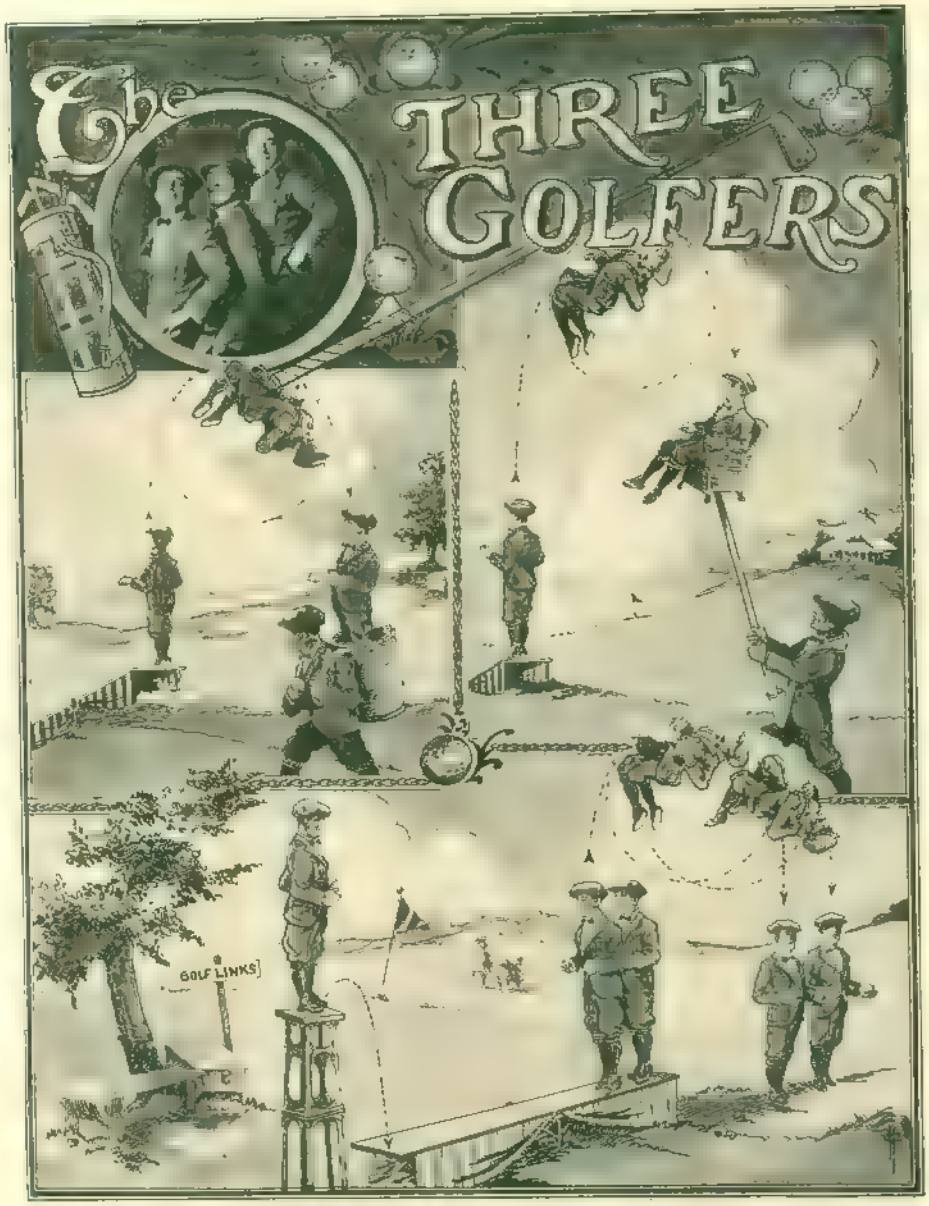
EVERY ACT IN THIS CATALOG CONTROLLED EXCLUSIVELY BY WORLD AMUSEMENT SERVICE ASSOCIATION, Inc.

"SERVICE and SATISFACTION"

A SKILFULLY SCIENTIFIC GYMNASTIC FEATURE BY

Distinguished European Champions

Limited American Engagement



COMBINING ALL THAT IS NEW AND HAZARDOUS

Unique and Extraordinary Creations in
Somersaulting and Double Somersaulting
From the Double Teeter Springboard

Originators of the Two-Men Simultaneous Somersault

A MARVELOUSLY ABSORBING PERFORMANCE

EVERY ACT *IN THIS CATALOG CONTROLLED EXCLUSIVELY*
BY **WORLD AMUSEMENT SERVICE ASSOCIATION, Inc.**
"SERVICE and SATISFACTION"

SEE OPPOSITE PAGE

VALENTINO'S
THREE ACT COMBINATION

Act 2. FISHER SISTERS
Human Butterflies

The Grand Climax to this Exquisitely Beautiful, Showy Entertainment of Fluttering, Flying Forms, is a Rousing Patriotic Display * * *

Act 3. THREE LENOIRS
Rings and Trapeze

A Maze of Wonderful Mid-Air Deeds of Grace and Daring. Astonishingly Skilful and Speedy and Showing an Utter Defiance of Danger * * *

EVERY ACT IN THIS CATALOG CONTROLLED EXCLUSIVELY BY WORLD AMUSEMENT SERVICE ASSOCIATION, Inc.
"SERVICE and SATISFACTION"

A DAZZINGLY BEAUTIFUL EQUESTRIAN MELANGE

THE THREE JENNETTS

Unfolding Its Radiant Revels to Rejoicing Spectators

AN ALTOGETHER DELIGHTFUL DISPLAY OF COLOR AND CHARM IN WHICH LADY DAINTY CIRCLES IN AN AVIARY AND ANIMAL FAIRY-LAND CIRCUS ASSISTED BY TWO COMPETENT CLOWNS

EVERY ACT IN THIS CATALOG CONTROLLED EXCLUSIVELY BY WORLD AMUSEMENT SERVICE ASSOCIATION, Inc.
"SERVICE and SATISFACTION"

HAIR-BREADTH CHANCES WITH THE GRIM REAPER

ROSE, ELLIS AND ROSE

KEEPING THE AUDIENCE ON EDGE

The World's Greatest Jumping Jacks

ILLUSTRATING THE HIGHEST GRADE CULTURE OF PHYSICAL DEVELOPMENT. THEIR SECOND ACT IS A RIOT OF SUDDEN LAUGHTER, FUN, FRIVOLITY AND EXCITEMENT IN ECCENTRIC COSTUMES AND FOOLISH MAKE-UPS

EVERY ACT *IN THIS CATALOG CONTROLLED EXCLUSIVELY* BY **WORLD AMUSEMENT SERVICE ASSOCIATION, Inc.**

"SERVICE and SATISFACTION"

Mahogany Desk, Boudoir and Radium Dial Alarm Clocks

BRASS NOVELTY CLOCKS

JA77048—Rodney: [illegible] finish, height 3½ inches, width 5¼ inches, 2 inch porcelain dial, [illegible] movement. **Each 5 80**

JA77052—Modern Mirror Clock: Ansonia Arsonia movement, 8 day time, fine quality plate glass mirror in front, silver or gold dial, height 27½ inches, width 7 inches, very popular for living room or hall use, antique gold finish. **Each 21 60**

JA77052½ Mahogany finish **Each 21 60**

JA77052¾ Walnut finish..... **Each 21 60**

When ordering specify what finish is wanted.

JA47056—Idole: New Haven movement, mahogany finish, one day time, 2 inch silvered dial, height 4 inches, width 7½ inches, beveled convex glass ..... **Each 5 80**

WILLARD WALL CLOCK

JN77053—The Willis Banjo: New Haven movement, solid mahogany case, rich decorations on glass in panel and door, gold eagle and side ornaments, lever movement, 8 day time, height 17½ inches, width [illegible] inches. **Each 19 50**

JA77051—Gothic Antique (Gilbert movements), height 16 inches, width 9½ inches, dial 6 inches, packed in dry excelsior, shipping weight 18 pounds. Here is the clock for those who love antiques. It is a faithful reproduction, in style and finish, of one [illegible] most in favor 40 years ago. Yet it is a medium-price clock. Its rich mahogany finish and simple Gothic lines give it an authentic atmosphere of antiquity. Fitted with our best 8 day pendulum movement striking both the hour and half-hour. **Each 15 00**

ALARM CLOCK
GENUINE MAHOGANY CASE

JA77054—Scamp: Ansonia movement, genuine mahogany case, 8 day time, [illegible] radium [illegible] dial, height 4¾ inches, width 4¼ inches, depth 2¾ inches. **Each 18 00**

JA77057—Gravity Clock: Ansonia movement has no springs, no key, winding is done by raising the clock to the top of the frame which is 32 hours for the clock to drop to bottom, bronze finish metal base and frame, height 24½ inches, width 4[illegible] inches, 25½ inch silver dial. **Each 17 00**

JA77058 As above, radium dial **Each 19 00**

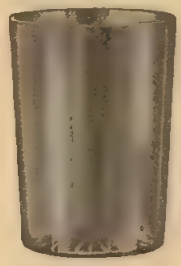
JA77057—Serenade: Ansonia movement, 8 day time and [illegible] alarm, mahogany [illegible] finish case, silver dial, height 7 inches, width 7 inches, depth 3 inches. **Each 12 00**

JA77058—As above with radium dial **Each 14 00**

THIN BLOWN GLASS TUMBLERS

Needle etched, permanently burned or fired on glass, plain straight and fluted, high grade, 9-ounce, first quality tumblers. Top edge well rounded by fire which prevents chipping, packed in suitable cartons, adapted to the easy handling by the hardware trade. Six glasses in corrugated carton. All designs in straight and fluted or optic styles.

No. 7010

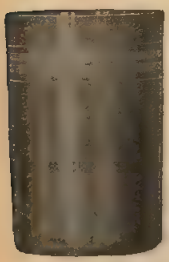


No. 8257

NOS. 7010-S-107 AND 8257-S-107

No.	Style	Wt. per carton	Per carton
7010	Straight	2 lbs.	$0.70
8257	Optic	2 lbs.	.70
7010-S-107	Straight	2 lbs.	.76
8257-S-107	Optic	2 lbs.	.76
7010-B-5	Straight	2 lbs	.80
8257-B-5	Optic	2 lbs.	.80
7010-S-12	Straight	2 lbs	.80
8257-S-12	Optic	2 lbs.	.80
7010-X-26	Straight	2 lbs	.80
8257-X-26	Optic	2 lbs	.80
7010-X-33	Straight	2 lbs	.80
8257-X-33	Optic	2 lbs	.80
7010-X-26-IT	Straight	4 lbs	1.20
8257-X-26-IT	Optic	4 lbs	1.20
7010-X-33-IT	Straight	4 lbs.	1.20
8257-X-33-IT	Optic	4 lbs.	1.20

Six glasses in a carton; twenty-four cartons in a case.



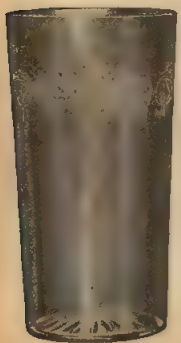
NOS. 7010-B-5 AND 8257-B-5

NOS. 7010-S-12 AND 8257-S-12

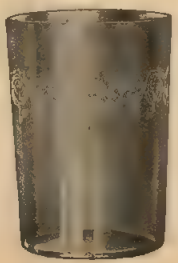
Bulk packages

No.		Per case
P-7010	Straight	$28.50
	Two hundred and forty tumblers in a case.	
P-8257	Fluted	15.00
	One hundred and forty-four tumblers in a case.	

ICED TEA



NOS. 7010-X-26-IT AND 8257-X-26-IT



NOS. 7010-X-26 AND 8257-X-26

NOS. 7010-X-33 AND 8257-X-33

ICED TEA

NOS. 7010-X-33-IT AND 8257-X-33-IT

WORLD'S WONDER GYMNASTIC PRESENTATION

THREE MELVINS

HAND LEAPERS, BALANCERS AND CATCHERS

INTRICATE FEATS NEVER BEFORE ATTEMPTED

Most Exceptional and Classy Exhibition of
Modern Times, Commencing Where All Others Finish

Entirely Different from All Other Acts

WORLD AMUSEMENT SERVICE ASSOCIATION, Inc.
ECONOMY SERVICE SATISFACTION

The European Sensation

Five Lelands

A Surprising Comedy Athletic Novelty

An Exhibition of Agile Celerity attaining a perfection of Artistry never before equaled, with an Ingenious introduction of Irresistible Comedy Situations . . .

An Incomparable Display for Discriminating Audiences

EVERY ACT IN THIS CATALOG CONTROLLED EXCLUSIVELY BY WORLD AMUSEMENT SERVICE ASSOCIATION, Inc.
"SERVICE and SATISFACTION"

BUILDING BLOCKS

BUILDER

Made of finest New England white Birch. Each set is composed of smooth, round sticks and thick spools with eight holes each around the edge and one hole in the center. A book of simple instructions also comes with each set, enabling even the younger children to develop remarkable models easily.

Each set put up in a strong, laminated mailing tube.

	Per Doz
No. 75 Size tube 3x12 ins	$19 50

One doz in carton; wt per doz 14 lbs.

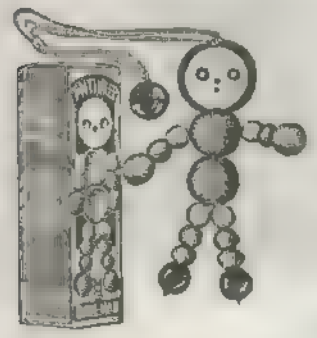
TINKER TOYS

BELLE TINKER

Made of bell shaped hardwood, brightly colored with harmless dyes and then waterproofed so that the colors will not wear off. They are strung with stout cord which makes it practically indestructible.

	Per Doz
No. 215—Height 7¼ ins	$13 20

One in cardboard box, wt per doz 4½ lbs.



TOM TINKER

Made of hardwood balls. Brightly colored with harmless dyes and then water-proofed so that the colors cannot come off. They are strung with stout cord which makes it practically indestructible.

	Per Doz
No. 50—Height 7¼ ins	$15 60

One in cardboard box; wt per doz 4½ lbs.

FOLLO-ME—TINKER

Substantially built of hardwood and steel, attractively colored red, blue and yellow. So constructed that it will always be upright making a perfect pull toy.

	Per Doz
No. 220 Length 12 ins	$19 80

One in cardboard box; wt per doz 14½ lbs.

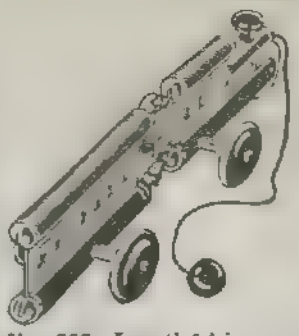
DRAG-ON TINKER

Hardwood balls, enameled in prime colors of beautiful and durable finish. So designed that the axles pivot on center and may be thrown around in the roughest manner and will invariably right itself. The movements of a crawling animal are reproduced by the use of a rubber backbone and can be easily replaced at any time. Complete with cord and hand ball for drawing.

	Per Doz
No. 210—Length 12 ins	$26 25

One in cardboard box; wt per doz 6¾ lbs.

TINKER TOYS



CHOO-CHOO TINKER

Substantially built of hardwood and steel attractively colored black, yellow and red. Engine and coach so constructed as to take abrupt turns at high speed and still remain upright.

	Per Doz
No. 225—Length 14 ins	$30 00

One in cardboard box; wt per doz 17 lbs.

WHIRLY TINKER

Substantially made of steel and hardwood without mechanism of any kind to get out of order. By pulling the toy by its string sets the two little men spinning and dancing like whirling dervishes.

	Per Doz
No. 125—Height 7½ ins; width 5½ ins	$33 00

One in cardboard box; wt per doz 15 lbs.

TINKER BEADS
In Cardboard Box.

Made of hardwood; all are round and smooth and larger than the ordinary beads. All beads are finished in attractive colors and are water-proofed. Set consists of 14 items and string cord for stringing.

	Per Doz
No. 100 Size box 11 x3x14 ins	$26 25

One doz boxes in carton boxes; wt per doz 9½ lbs

TINKER BEADS
In Screw Top Glass Jars.

Made of hardwood; assorted sizes and colors; complete with polished cord and safety needle for stringing.

	Per Doz
No. 135—Jar contains 28 beads, making string 22 ins long; wt per doz 7 lbs	$6 45
No. 150—Jar contains 63 beads, making string 48 ins long; wt per doz 12 lbs	12 75

One doz jars in carton.

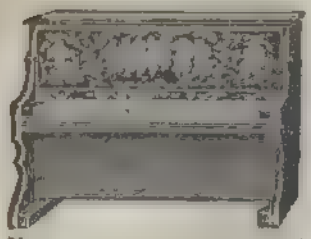
TINKER JUMP ROPE

Genuine interwoven sash cord on which are strung 21, one inch oval beads, stained and polished, each separately pinned through rope. Hardwood polished hand grips.

	Per Doz
No. 200—Length over all 6½ ft	$12 75

One doz in carton; wt per doz 3½ lbs.

TOY PIANOS



SCHOENHUT

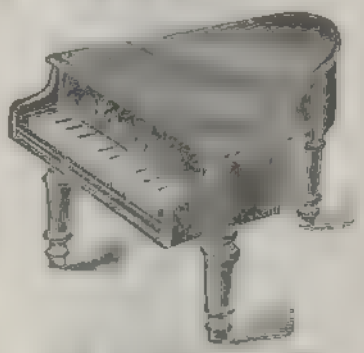
Made from hardwood rosewood finish; imitation ivory keys.

Nos.	115	116	118	120	122
No. keys	5	6	8	10	12
Length, ins.	6¼	7¼	9	11	13⅛
Height, ins.	5¾	6½	7	8	8¼
Width, ins.	5⅛	5	5	6¼	7¼
Weight, lbs.	1	1	1	2	3¼
Per Doz.	$15 75	19 50	27 00	37 50	58 50

One in cardboard box, bench to match furnished with Nos. 118, 120 and 122

SCHOENHUT

Made from hardwood, rosewood finish; imitation ivory keys.



Nos.	132	134	136
No. keys	12	14	16
Length, ins.	9	10	11
Height, ins.	12½	13	13½
Width, ins.	7¾	7¾	15½
Weight, lbs.	5	5½	6½
Per Doz.	$60 00	72 00	90 00

One twelfth doz. in each shipping box.

TOY METALLO PHONES

SCHOENHUT

Covered with a finely colored and highly embossed lithographed bronze effect paper, fitted with sticks and black rubber receivers.

Nos.	58	512
No. tones	8	12
Weight, lbs.	¾	1
Per Doz.	$15 75	28 50

One twelfth in cardboard box.

CHILDREN'S PLAY SUITS

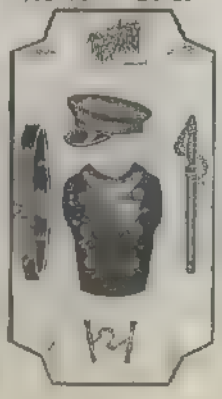
SCHOENHUT

Police Uniforms.

Per Doz

No. M150—Outfit consists of cap, breastplate, belt, cap, billy and chain zippers $42 00

One in cardboard counter display box; wt per doz 15 lbs.



SCHOENHUT

Fireman's Uniform.

Per Doz

No. 160—Outfit consists of hat, belt, breastplate, and axe..... $48 00

One in cardboard counter display box; wt per doz 18 lbs.

TOYS

SCHOENHUT

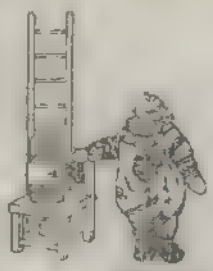
Humpty Dumpty Circus.

These figures are made of solid wood, leather, rubber, etc, jointed similiar to a doll but much stronger. Neatly constructed attractive in appearance and nearly unbreakable. Painted in enamel colors. The heads, arms and legs are movable, so that the figures can be set in an endless variety of positions. The donkey and elephant can be stood on one leg, made to sit up or lie down, the clowns can be set in any position and made to imitate any variety of tricks on the ladder in midair.

Per Doz

No. 161—Set consists of 4 pieces clown, ladder, chair and barrel $18 75

One set in cardboard box; wt per doz 18 lbs.



Per Doz

No. 162 Set consists of 5 pieces clown, donkey, ladder, chair and barrel..... $34 50

One set in cardboard box; wt per doz 9 lbs.

Per Doz

No. 163—Set consists of 6 pieces, clown, donkey, elephant, ladder, chair, barrel and platform $57 00

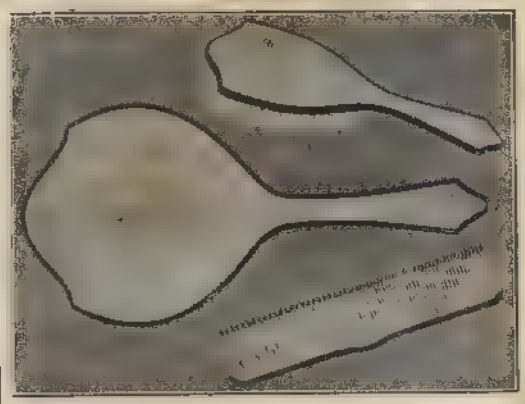
One set in cardboard box; wt per doz 24 lbs.

Per Doz

No. 164—Set consists of 8 pieces, 2 clowns, 2 ladders, 2 chairs, elephant, donkey, barrel and platform $78 00

One set in cardboard box; wt per doz 30 lbs.

Two-Tone Toilet Sets



3-Piece Sets

in Two Popular Combinations

Pearl on Amber and Amber Color Decorated

The latest creation in Toilet ware MOST popular because of its excellent quality Set consists of a 13¾x6¼ inch mirror fancy shape with a beveled glass hair brush, 8¾ inches with 13 rows of bristles and dressing comb 8x3 inches with coarse and fine teeth. Each set is packed in a paper box

No. 1A45.
Pearl on Amber.
Per set..... 4.75

No. 1A45X.
Pearl on Amber in satin lined hinged box.
Per set..... 6.25

No. 1A46.
Amber color decorated.
Per set..... 4.25

No. 1A46X.
Amber color decorated in satin lined hinged box.
Per set..... 5.75

12-Piece Combination Sets

Two Combinations

Pearl on Amber

and

Amber Color Decorated

Combination Sets in popular colors, everything necessary for the dresser. This set consists of a large size mirror with beveled glass, good quality hair brush with 13 rows of bristles, powder box, hair receiver, 8 inch dressing comb, large tray 13¾x7 inches, buffer with good heavy boat, manicure scissors salve jar, cuticle, file and hook. Each set is packed in a good quality satin lined hinged box.

No. 1A59
Pearl on Amber.
Per Set . 14.75

No. 1A60
Amber color decorated.
Per Set . 13.50

Marble's Outing Equipment

Marble's Hunting Knives

Acknowledged to be the best Sellers of all Hunting Knives

MARBLE'S WOODCRAFT KNIFE

Marble's Woodcraft Knife. No. [illegible] 4½ inch blade of [illegible] steel, tempered [illegible] Handle [illegible] Each knife is [illegible] for [illegible] and [illegible] Back is [illegible] Each knife is packed in [illegible] leather sheath. ½ dozen in box.

No. 18[illegible] [illegible] 1.50

MARBLE'S IDEAL HUNTING KNIFE

Marble's Ideal Hunting Knife (No. [illegible]) Highly polished blade of [illegible] steel, adapted for [illegible] all kinds [illegible] ground at [illegible] point [illegible] Handle [illegible] is formed of [illegible] leather [illegible] Each knife [illegible] Complete with leather sheath. ½ dozen in box.

No. 18[illegible] 5 inch blade. Each 1.85

No. 18[illegible] 6 inch blade. Each 2.00

MARBLE'S IDEAL HUNTING KNIFE

Marble's Ideal Hunting Knife (No. [illegible]) Highly polished blade of [illegible] steel, adapted for [illegible] all kinds [illegible] ground at [illegible] point [illegible] Handle [illegible] is formed of [illegible] leather [illegible] Each knife [illegible] Complete with leather sheath. ½ dozen in box.

No. 18[illegible] 5 inch blade. Each 1.85

No. 18[illegible] 6 inch blade. Each 2.00

Marble's Safety Axes

The handiest tool an outdoor man or boy scout ever carried

MARBLE'S SAFETY POCKET AXE

Marble's Safety Pocket Axe. A perfect axe for [illegible] Head [illegible] steel [illegible] handle, nickel plated guard and [illegible]

No. 3[illegible] Weight 16 oz. length 10½ inches. Each 1.35

No. 3[illegible] Weight 20 oz. length 12½ inches. Each 1.50

MARBLE'S METAL HANDLE SAFETY AXE

Marble's Metal Handle Safety Axe. The [illegible] head of drop forged steel, nickel plated [illegible] Handle [illegible] steel, nickel plated spring [illegible] Guard filled with lead and folds [illegible] Each [illegible]

No. 3[illegible] Weight 20 oz. length 11 inches. Each 2.15

No. 3[illegible] Weight 27 oz. length 11½ inches. Each 2.35

MARBLE'S WATERPROOF MATCH BOX

Marble's Waterproof Match Box. A [illegible] match box [illegible] Each [illegible] closed and [illegible] to the Outer Metal [illegible] drawn [illegible] Handle [illegible] is [illegible] Each [illegible] Packed [illegible] dozen in display box.

No. [illegible] Per dozen 4.75

3C33[illegible]
3C33[illegible]

MARBLE'S WATERPROOF SCREW CASE COMPASS

Marble's Coat Compass. [illegible] is the [illegible] compass now [illegible] Compass [illegible] Case [illegible] inch [illegible] Handle [illegible] Made of best [illegible] steel, 1½ inches in diameter. The [illegible] is [illegible] double [illegible] glass [illegible] Each [illegible] Packed [illegible] dozen in box.

No. 3C33[illegible] Stag [illegible] Dial. Per dozen 10.20

No. 3C33[illegible] [illegible] Dial. Per dozen 12.00

MARBLE'S POCKET COMPASS

No. 3C33[illegible] Plain [illegible] Dial. Per dozen 8.00

No. 3C33[illegible] Revolving dial. Per dozen 10.20

3C33[illegible]

The Sign of Service

AHLBERG

Ground Ball Bearings

As well as New Ball and Roller Bearings carried in stock at each of our thirty-seven branches

Ahlberg Bearing Co.

317 East 29th St. Chicago, Ill.

FORD TRIBLOCS

"Safety First" Hoists

By resisting the surge and shock of hoisting service in the shop—the strength, safety and smooth action of Ford Triblocs are saving man power and labor hours and speeding human effort.

Workmen appreciate the advantages of Ford Triblocs—management profits through their use.

Capacities ¼ to 20 tons.

Write for Catalog 6-B.

FORD CHAIN BLOCK COMPANY

2nd and Diamond Sts. Philadelphia, Pa.

The Only Shelves Adjustable by Inches

It is a great convenience to store your stock on shelves adjustable for 1 inch changes, and with partitions adjustable for 3 inch changes. It makes it easy to accommodate your stock room to new items, or to parts changes.

Dexter shelving will thus remain useful as long as you stay in business. It has the quality too to stand such lifetime service.

Let us send you details and the name of our representative. His suggestions can lower your costs.

Dexter Metal Mfg. Co.

10 S. 18th St. Philadelphia, Pa.

Makers of Steel Shelving, Metal Lockers, Wire and Sheet Steel Partitions

DEXTER

Steel Shelving for Store and Shop

The TOKHEIM

Motor Driven
Illuminated Visible Measuring

Gasoline Pump

Saves Time
You Will Need Less Help

The Tokheim will prove its earning power when spring holiday traffic begins to jam the roads. Then you'll find that this quick, efficient gas dispenser is worth double the price you paid for it. You can do more business at a lower cost in wages.

The Tokheim will filter, visibly measure and deliver 5 gal. of gas in half a minute. All you do is press a switch.

Our catalog gives a detailed description. Write for it.

Tokheim Oil Tank & Pump Co.

1601 Wabash Avenue
Ft. Wayne, Ind.

TWO IN ONE

PAUL

Hydraulic Jack and Shock Absorber

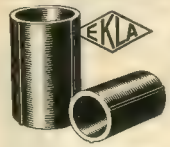
(PATENTED)

Will raise any or all wheels.
Operates from the driver's seat.
Perfect shock absorber.
Durable—Simple—Not Expensive

Attractive profits to be made by Distributors and Dealers. Write for Proposition.

The Paul Company

Duluth **Minn.**



No Cloth in Its Innards!

Millions of feet of EKLA have proved that a radiator hose doesn't have to have cloth "in its innards" to stand the gaff.

Although EKLA all-rubber hose is better, it costs less, so shows the dealer a bigger profit.

Increased capacity now enables us to offer EKLA hose through the replacement trade. It is sold in cut lengths for Fords and in 3-foot lengths, all sizes with inch markings.

We are also makers of EKLA CORD—"Heavy Duty" and MUSKETEER—"Price Competition" inner tubes. A few more distributors can be added, and they will make unusual profits with these brands.

Send for Prices and Terms

Domestic or Export

The Eclat Rubber Company

Cuyahoga Falls, Ohio **U. S. A.**

A better *FENDER BRACE* for *CHEVROLET*

¶ Made of heavy steel tubing "just like the big cars."

¶ Installed in ten minutes with an ordinary wrench. ***NO DRILLING.***

ASK YOUR JOBBER

Two types fit all Superior Models

List Price $1.50 Each

GROCO

GUARANTEED

DASH SWITCH

One ½" Hole in Dash
Short Circuit Proof

Gross Mechanical Lab.

Manufacturers of Stop and Parking Lights

1703 W. Baltimore Street
BALTIMORE, MD.

GROCO

REGISTERED U.S. PATENT OFFICE

PARKING LIGHTS · STOP LIGHTS · COWL LIGHTS · SWITCHES

THE NEW MULTIPLEHEAD

A Special Airbrush for the New Lacquers

Apply Nitro Cellulose finishes the only right way with the Paasche Multiplehead. The lacquer goes on smooth as mist. Will not strip from the surface. Will not ridge in corners. Age does not affect it. Complete atomization takes place immediately after leaving the nozzle—found only in the Paasche Multiplehead.

Build your business with Paasche equipment.

Get our booklet—valuable secrets about automobile finishing. Write for it now.

Paasche Airbrush Company

1929 Diversey Parkway Chicago, Illinois

More "Velvet" Per Job—

Milwaukee Crankshaft and Connecting Rod Bearings (standard and undersized) are made so honed good and fit so perfectly—that installation time is cut right down to bed-rock. Consequently you make the most "velvet" per job.

What's more, you can get Milwaukees quick—not over a day away—through any one of our more than 700 distributors. Write for the name of the one nearest you and receive a free copy of the latest edition of our quick-reference Bearing Guide. Lists bearings for all leading makes of cars, trucks and tractors.

MILWAUKEE DIE CASTING CO.
294 Fourth St. Milwaukee, Wis.

MILWAUKEE BEARINGS

Not Over a Day Away

KENNEDY KRAFT PAPER
Auto Storage Covers

Car owners recognize the efficient protection to the finish of their cars gained by the use of Kennedy Auto Storage Covers against dirt, dust and moisture damage.

COST less than cloth and are more effective.

STANDARD SIZES to cover all models.

GARAGE and repair men find Kennedy Auto Storage Covers easy to sell at liberal profit.

AUTO DEALERS and Distributors who stock cars during dull season use the Kennedy Dustless Auto Cover to advantage.

Inquiries for further information invited.

The Kennedy Car Liner and Bag Co.

Shelbyville Indiana

Canadian Factory: Woodstock, Ontario

Tokheim
MOTOR DRIVEN PUMPS
— Are Business Builders

They serve your customers quickly and efficiently—filtering, visibly measuring and delivering gasoline at the rate of 5 gal. in half a minute. You can light them up at night. A meter keeps a record of sales.

Users find they increase gasoline sales and create good will.

Write for full description of this wonderful pump.

5 and 10 gallon capacities—hand or power operated.

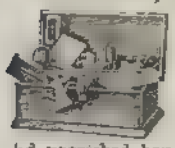
Tokheim Oil Tank & Pump Co.

1601 Wabash Ave.
Ft. Wayne, Ind.

TOOL CHESTS AND KITS

Complete with good quality tools; the most up-to-date line made; dovetailed boxes fitted with covers that will not warp.

TOOL CHESTS
SOLID OAK, VARNISHED



T7611 — Contains 8 tools; saw, hammer, mallet, T-square, rule, plummet, nails, etc.; in hinged lid varnished box 5x10½x3½ ins. Dozen 4.50

T7612 — Contains 14 tools, saw, hammer, mallet, mitre box, chisel, screw driver, lead pencil, T-square, rule, 2 metre angles, plummet, nails, etc., with tray; in box 6x12¼x3¾ ins.; suit case catch. Dozen 9.00

T7615—Contains 18 tools: mallet, hammer, saw, brace and bit, T square, rule, 2 mitre angles, oil can, chisel, 2 screw drivers, punch, gimlet, pencil, nails, etc., in box 7½x15¼x5⅞ ins., with tray; 2 suit case catches. Each 1.80

We list all the new and staple tree ornaments; all tissue wrapped.

TOOL KITS
SOLID OAK, VARNISHED

Kit closed showing handle of brace for carrying.

T7626—Contains 10 tools: brace with combination bit and screw driver, plummet, saw, hammer, mallet, T-square, rule, mitre angle, chalk, nails, etc.; in box 5¾x12¼x4½ ins.; with catch. Dozen 9.25

T7627—Contains 10 tools: brace, bit, mallet, hammer, plummet, saw, ruler, T-square, mitre angle, pencil, nails, etc.; in box 7x14x5 ins.; suit case catch. Each 1.42

GILBERT TOOL CHESTS

The same high quality has been maintained in these cheaper tool sets of Gilbert, as their higher priced carpenter sets.

T7635—Gray painted box, slide lid, box 13x4x3 ins.; contains saw, hammer, screwdriver, ruler, chisel, scratch awl, and triangle square; each wrapped. Each ..... OUT

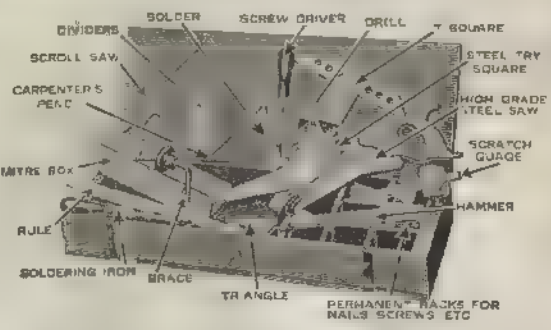
T7637—Oak; hinged lid; spring lock; leather strap handle; size 15x4½x5½ ins., contains 14 in. iron handled saw, hammer, screw driver, scratch awl, marking gauge, square, triangle square and rule; each wrapped. Each 1.00

T7638—Same as T7637, but with larger tool box; size 15x4½x8 ins. high; finished in gray enamel, wrapped. Each 1.10

T7636—Hinged lid box, 14½x6x3¾ ins.; contains 12 in. saw, mitre box, hammer, screwdriver, scratch awl, calipers, square, triangle square, rule, sandpaper block and lead pencil; each wrapped. Each.. .67

GILBERT CARPENTRY OUTFITS

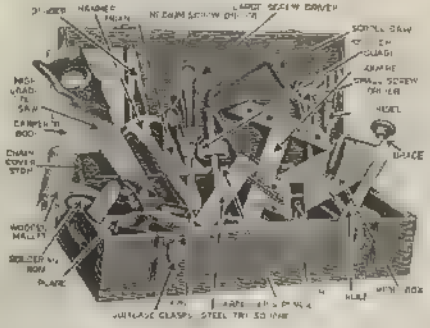
Unsurpassed in quality, contents, appearance, popular appeal and price



T7639—Contains 13 tools: 14 in. steel blade saw, mitre box, awl, screw driver, calipers, drill, pencil, hammer, rule, brace, marking gauge, metre angle, steel square; in hinged lid cabinet 8¼x15x3 ins. Each..... 1.68

T7640—Contains 16 tools: 15 in. steel blade saw, brace, hammer, screw driver, steel T-square, steel square, marking gauge, metre box, bit, soldering iron, pencil, calipers, solder, rule, mitre angle and scroll saw frame and blade; tacks, screws, nails, etc. in hinged lid cabinet, 8½x21½x3 ins. Each 2.50

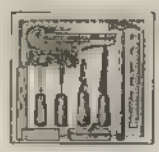
These are the best equipped tool chests on the market; all tools are high grade and in strong, dovetailed boxes.



T7641—Contains 22 tools: plane, brace, bit, steel saw, steel T-square, steel square, scroll saw frame and blade, vise, rule, hammer, screw driver, scratch awl, 2 chisels, mallet, mitre box, soldering iron, etc.; bottom divided in 24 compartments for screws, nails, etc.; hinged lid, metal stripped cabinet, 8½x22x5¼ ins.; 2 suit case catches and metal handles; with book on carpentry. Each 3.67

T7642—Contains 30 tools: mallet, hammer, steel saw, steel keyhole saw, 2 steel squares, steel gauge, scroll saw frame and blade, brace, plane, gimlet, vise, tinner's snips, rule, 2 screw drivers, file, soldering iron, solder, 2 bits, scratch awl, 3 chisels, calipers, punch, etc., with book on carpentry; strong hinged lid, lock and key cabinet, with inset brass handles, 11x22½x5½ ins. Each 6.66

TOOLS ON CARDS



T7622 — Set consists of square, awl, screw driver, chisel, saw, hammer, rule and plane; on printed cardboard 8¼x3 ins.; 1 dozen in package. Dozen ..... .85

T7624—Set consists of square, pliers, screw driver, awl, tack puller, chisel, gimlets, plane, hammer and rule; on printed cardboard 12½x13 ins.; 1 dozen in package. Dozen 2.25

TOY HATCHETS

T3711—Polished blade; red enameled head, 1½ in. wide, 7½ in. hardwood handle, 1 dozen in box. Dozen ..... .75

TOY HAMMERS

T3710—Hammer; polished head with claw; hard wood handle; length 8¾ inches; 1 dozen in box. Dozen ..... .82

TOY BALLS

A complete line of popular sellers from the penny size up. Prices lower than you can usually buy these goods.

RED INFLATED BALLS

B559—2¼ in. red inflated, golf design; very lively; 6 dozen in box Dozen ..... .45

B560—2¾ in.; same; 1 dozen in box. Dozen ..... .88

PRACTICE GOLF BALLS

B525—Wear Ever; perfectly centered and guaranteed not to cut; an excellent ball for practice; each tissue wrapped. Dozen ..... .79

GOLF PATTERN
WHITE RUBBER

B568—Extra quality white rubber, inflated; red striped; diam. 3⅛ ins.; 1 dozen in box. Dozen 2.40

B564—Plain white rubber; diam. 4 ins.; ⅛ dozen in box. Dozen 3.25

RUBBER RETURN BALLS
Black. Complete with Rubbers

	Dozen	Gross
B550—1⅝ inch diam	.20	2.25
B551—1⅞ inch diam.	.25	2.50
B552—1¾ inch diam.	.30	3.25

WORSTED RETURN BALLS

B508—Silver finished ball covered with assorted color knitted worsted yarn; rubber cord; diam. 2¾ ins.; 1 dozen in box Dozen ..... .88

RUBBER BASE BALL

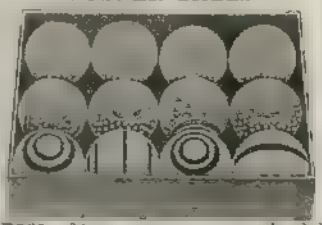
B567—An exact reproduction of the regular league ball; embossed seams; white rubber, inflated; diam. 2⅝ ins.; 1 dozen in box. Dozen ..... .84

FRICTION TAPE

B208—1 ounce rolls; 16 to lb. Lb... .45

B209—2 ounce rolls; 8 to lb 2 lbs. in box Box ..... .90

DECORATED RUBBER BALLS

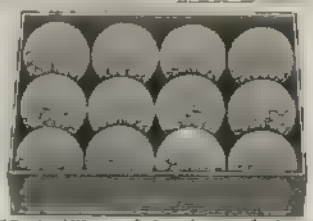


B561—2½ ins. diam.; assorted solid white solid red, and white with assorted color stripes; 6 dozen in box (no less sold). Dozen ..... .45
(Total 2.70)

B562—2½ ins. diam.; otherwise as B561, 1 dozen in box. Doz. .78

B565—5 ins. diam.; white rubber, banded with embossed alphabet and numerals; ½ dozen in box. Dozen 5.00

B566—6 ins. diam.; otherwise as B565, ½ dozen in box Dozen 7.25



B586—White; 2 in. diam.; 1 dozen in box. Dozen ..... .42

B587—Red; 2 in. diam.; 1 dozen in box Dozen ..... .44

B589—White; 2½ in. diam; 1 dozen in box Dozen ..... .80

B590—Red, 2½ in. diam; 1 dozen in box. Dozen ..... .84

RUBBER THREAD

B544—Rubber thread for return balls. Lb. 2.00

B545—Rubber tape; ⅛ inch wide. Lb. 2.00

DECORATED RUBBER BALLS

Striking color combinations

Guaranteed fast

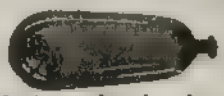
Assorted fancy designs, solid color grounds, nicely mottled and accurate decorated in bright colors, gold banded

B581—3 ins. in diam.; 1 dozen in box. Dozen 1.80
B582—4 ins. in diam.; ½ dozen in box. Dozen 3.60
B578—4½ ins. in diam.; ½ dozen in box. Dozen 4.50
B583—5 ins. in diam.; ½ dozen in box. Dozen 5.50
B584—6 ins. in diam.; ½ dozen in box. Dozen 8.40

BALLOONS

All fresh stock of first quality new rubber. There are nice profits in this line, and you can make more money and give your customers better satisfaction by handling the best goods.

LONG PENNY BALLOONS



F1866—Assorted color long balloons; will blow 30 ins. in length; 1 gross in box. Gross.. ..... .98

F1868—45 cm. round balloon; 1 gross in box Gross ..... .88

SQUAWKERS

F1867—Long, assorted colors; 1 gross in box. Gross 1.00

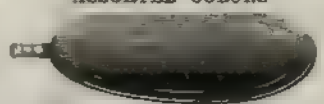
ROUND SQUAWKERS
ASSORTED COLORS

F1870 — 40 Cm. size; 2 in. stem; 1 gross in box. Gross 2.00

F1871 — 50 Cm. size; 2¼ in. stem; 1 gross in box Gross ..... 3.00 Dozen ..... .28

F1872—60 Cm. size; 2 in. stem; 1 gross in box. Gross ..... 3.60 Dozen ..... .33

LONG SQUAWKERS
ASSORTED COLORS



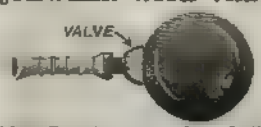
F1875—Will inflate to 14 inches in length; 2½ inch stem; 1 gross in box. Gross..... 2.00 Dozen..... .20

F1876—Will inflate to 22 inches in length; 3 inch stem; 1 gross in box Gross..... 4.00 Dozen..... .35

LONG SQUAWKERS
BIG STEM

F1879—Assorted colors; will inflate to 28 inches in length; 3¼ inch stem. Gross...4.50 Dozen... .40

SQUAWKER WITH VALVE



F1892—Regular squawker balloon, with turned wood valve, additional; when balloon is blown up, turning valve makes valve balloon, releasing valve, and you have squawker; 1 dozen asst. colors in package. Gross ..... 4.50 Dozen ..... .40

AIR BALLOONS
For tying to balloon sticks

F1889—Assorted 5 colors, red, green, blue, etc.; inflate 60 to 65 centimeters; inflate with air only and attach balloon to stick or whip; 1 gross in box. Gross ..... 2.50 Dozen ..... .25

GOLD BALLOONS
BIRD PRINTS; GAS WEIGHT

F1885—Round gold balloon, assorted birds printed in bright natural colors; 70 centimet

Gross 3.85
Dozen .35

F1886—Same, silver; birds in colors. Gross....3.85 Dozen... .35

VALVE BALLOON

F1903—Easy to inflate, has rubber valve which retains air and to deflate insert match or tooth pick which opens valve. Packed in assorted colors to dozen, 60cm. size 1 gross in box. Gross..... 3.25 Dozen.. .30

PURE GUM TRANSPARENT GAS BALLOONS

F1897—Extra large and heavy; made of best quality Para rubber, will inflate 80 to 90 cm.; 1 gross in box. Gross..3.50 Dozen.. .33

F1898—Same, orange color. Gross..... 3.75 Dozen..... .35

ANIMAL DECORATED TRANSPARENT GAS BALLOONS

F1896—Extra heavy transparent gas balloons with assorted animal prints. 75 cm size.

Gross 3.90
Dozen .35

BALLOON BELLOWS
FOR INFLATING BALLOONS

F1869—Stained wood frame, selected leather, reinforced tacking, polished tube with special tube for retaining balloon while being inflated; size 9x22 ins. Each..... 2.25

REED BALLOON STICKS

F1907 — Extra quality balloon sticks; smooth white stock Gross ..... .45

Best Selling Numbers!

Priced to bring you business at a Profit. You can use every one of these Special Values

"TORNADO"

DISC WHEEL SCOOTER

The biggest value ever offered in a disc wheel scooter! At our price you can meet any competition and give your trade an unusual value. Every scooter guaranteed by the manufacturer and ourselves.

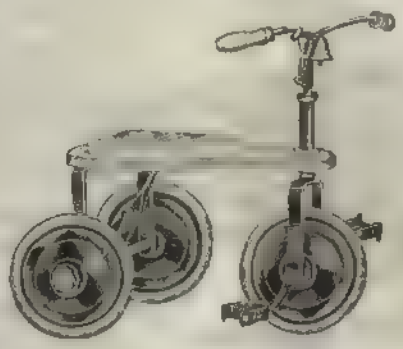
1F11—37 in. long, 34 in. high. Black enamel steel frame, [illegible] with striped and [illegible] disc wheels, roller bearings, [illegible] rubber tires, varnished turned wood grip. Will stand 42 in carton, 45 lbs.

Each **$2.75** 6 or more, Each **$2.65**

"OVERLAND"

DISC WHEEL COASTER BIKE

An attractive price on the well known coaster bike

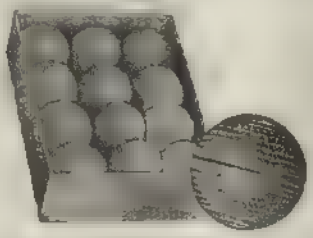


1F226—Mfrs. No. 21 in. long, 18 in. high, rear coaster, steel frame and shaped handlebars, [illegible] wheels, [illegible] belt. 2 in carton, 22 lbs.

Each **$2.00** 6 or more, Each **$1.90**

3⅛ In. Golf Pattern Rubber Ball

This is a feature ball for the money. It's a winner for sales.



Golf Ball Design

1F1620—3⅛ in. size, golf pattern, good quality elastic white rubber golf ball in box.

Doz. **80c** Gr. **$9.25**

7⅜ In. Golf Pattern Rubber Ball

A big size play ball in this popular pattern—and a big value at this price!

With Colored Stripes

1F1614—7⅜ in. fine quality white rubber golf ball, pattern with colored stripes, [illegible] box.

Doz. **$7.75**

Baby Walker and Kiddy Car

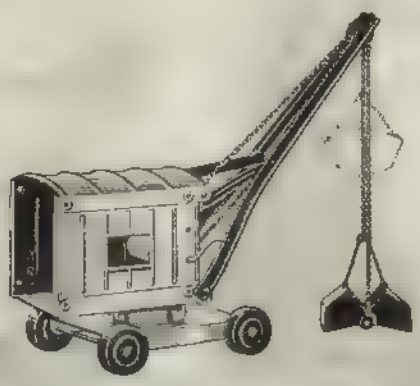
Two toys in one, baby walker and foot propelled car. Exceptionally well made, will stand rough use.

1F1042—[illegible] long, 11 in. high, heavy black [illegible] will [illegible] rubber tires, [illegible] wheels, [illegible] nickel [illegible] wood [illegible] bell. 2 in shipping carton.

Each **$2.20** [illegible] **$2.10**

"Sampson" Grab Bucket Crane

Leading grab bucket toy in the country today. Bigger and better than those sold for nearly twice as much. Exceptionally well made, finished in bright colors.



1F2530—[illegible] in. revolving engine house on [illegible] platform, bright [illegible] cab, [illegible] operator, red & blue roof, green [illegible] in. black [illegible] with [illegible] in. blue [illegible] derrick bucket with chains. Operating crank handle with [illegible] wood pulleys by which bucket [illegible] lbs. Not packed, [illegible] Each in box. 1 doz. in carton.

Doz. **$8.50**

"Lloyd-Loom" Woven Fiber Baby Carriages

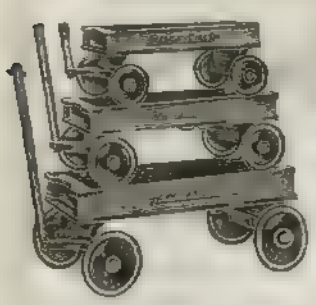
Loom-woven fine texture fiber bodies, waterproof and warpproof. The loom-woven feature eliminates all loose ends and other defects often found in hand weaving.

Body is [illegible] reed, [illegible] heavy [illegible] back, [illegible] in. width, 15 in. full [illegible] reed [illegible] spoke reed [illegible] seat, [illegible] in. [illegible] rear [illegible] upholstered [illegible] reed [illegible] forward push [illegible] rubber [illegible] tires, [illegible] lbs.

1F1050—(Mfrs. 9000)		Ivory finish
1F1051	9001	Gray finish
1F1052	9002	Dark blue finish
1F1053	9003	Mahogany finish

Each **$14.00**

"AMERICAN" LITTLE TOTS' COASTERS



With Rubber Tires

The demand has been establishing for these very popular small size wagons—can be used both indoors and out.

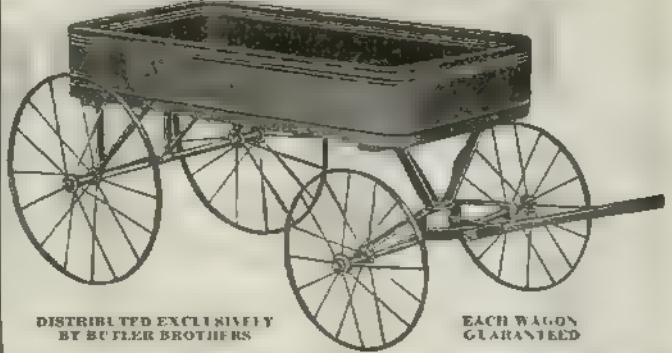
Well seasoned, varnished white ash bodies, red and black decorations and letters, front and rear gears finished to match body, attached by [illegible], 4 angles, 18 king pins, well braced bolsters, red enameled double disc wheels, rubber tires.

1F57—10x20 in. body, 4½ in. wheels, ½ in. rubber tires. 3 in carton, 20 lbs. Each **2.05**

1F58—11x24 in. body, 5½ in. wheels, ⅝ in. rubber tires. 2 in carton, 20 lbs. Each **2.65**

1F59—12x28 in. body, 7 in. wheels, ¾ in. rubber tires. 1 in carton, 19 lbs. Each **3.25**

"MARATHON" STEEL WAGONS



DISTRIBUTED EXCLUSIVELY BY BUTLER BROTHERS

EACH WAGON GUARANTEED

Size—Each "Marathon" wagon is larger size than the corresponding manufacturer's number below.

Body—Beaded sheet steel, extra strong.

Rear Wheels—Larger than front wheels and extra strong.

Indestructible Fifth Wheel—Superior construction giving extra strength.

Handle Support—Keeps handle off floor at guiding height.

Front Gear—Very strong in one piece with extra tongue brace.

Tongue Irons—Made of extra heavy steel.

Reinforced Wagon Box—Reinforced in [illegible] with heavy rolls and beading.

Bottom Boards—Matched kiln dried [illegible], tongue and grooved and glued.

Wood Cleats—Extra cleats reinforcing bottom boards.

Extra Brace—1F105 and larger sizes have extra [illegible] of rear axle.

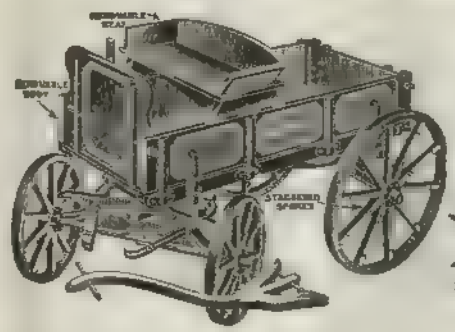
Body Finish—Bright red enamel finish, applied with air brush, green inside.

Hardwood Handle—With steel grips.

		Body	Wheels		
1F101	(Mfrs 06)	7½x13½ in.	½ dos. in pkg.,	24 lbs.,	Doz **7.85**
1F105	(" 04)	9x18 "	6 and 9 in.	⅝ " "	36 " " **11.50**
1F106	(" 02)	11x22 "	8 " 10 "	⅝ " "	48 " " **14.50**
1F107	(" 1)	13x26 "	10 " 13 "	⅝ " "	33 " " **21.75**
1F109	(" 3)	15x30 "	13 " 15 "	⅝ " "	35 " " **26.00**
1F110	(" 5)	16x32 "	13 " 16 "	⅝ " "	42 " " **30.00**

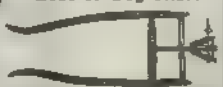
1F112—6 size assortment, including one each of 1F101, 103, 105, 107, 109, 110, ranging in size from 7½x12½ in. to 16x32 in. bodies. Assld. 6 in crate, 29 lbs. ASSORTMENT (6 wagons) **9.50**

MINIATURE FARM WAGON



1F67—18 x 35 in. green body, black and yellow trim, hardwood frame, seat and dashboard, **removable ornamented** sides and ends, 14 and 20 in. red wheels, heavy welded tires, malleable iron hub caps and bands, strongly ironed and braced, ⅝ in. round steel axles, heavy handle. 1 in crate, 57 lbs. Each **8.25**

Goat or Dog Shaft



1F70—For 1F67 wagon, 47 in. long, 1 in. wide, painted red, black striped. 1 in pkg., 5 lbs. Each **95**

WOOD BODY EXPRESS WAGON

1F47—[illegible] a polished wood body, black stenciled "Express" on each side, [illegible] steel rims, 26 in. handle. 1 doz. in pkg., 46 lbs. Doz **2.25**

ALL STEEL WAGONS

Beaded all steel bodies, black enameled steel gear and bolsters, steel axle, double disc steel wheels.

1F42—8x12 in., 4½ in. blue wheels, wire handle. 1 doz. in carton, 28 lbs. Doz **4.25**

1F44—[illegible] in. and 4½ in. blue wheels, wood handle. ½ doz. in carton, 25 lbs. Doz **8.00**

1F46—9x18 in., double braces under bed, wood handle, 8 in. red wheels, ½ in. rubber tires. ½ doz. in carton, 20 lbs. Doz **16.00**

2% Our Terms
10 DAYS
1% 30 DAYS
NET 60 DAYS

"KIDDIE KARS" and "KIDDIE PEDAL CARS"

Nationally advertised, the big selling leader in wheel goods for small children. Made of clear yellow pine [illegible] together with screws and well varnished.

Red Stained Wood Wheels—Natural varnished top and frame. ½ doz. in carton [illegible], about 10 lbs.

1F3764—(Mfrs 1) 15 in. long [illegible] in. wheels. Doz **$12.00**

1F3765—(Mfrs [illegible]) 17 in. long [illegible] in. wheels. Doz **$16.00**

Rubber Tired Steel Disc Wheel "Special"—Red enameled double disc wheels, roller bearings, painted red frame, seat and dirt [illegible] frame and handle. ½ doz. in carton, [illegible] about 15 lbs.

1F3768—(Mfrs 101) 16 in. long, 4½ in. wheels, ½ in. rubber tires. Doz **$18.00**

1F3770—(Mfrs 102) 17 in. long, 4½ in. wheels, ½ in. rubber tires. Doz **$24.00**

1F3772—(Mfrs 103) 18 in. long, 5½ in. wheels, ⅝ in. rubber tires. Doz **$30.00**

1F3773—(Mfrs 104) 20 in. long, 6 in. wheels, ⅝ in. rubber tires. Doz **$36.00**

"Kiddie Pedal Kar"—Red enameled double disc wheels, ball bearing front and roller bearing rear wheels, rubber pedals, natural finish hardwood [illegible] steering post and handle bars. 2 in carton, about 25 lbs.

1F235—(Mfrs 124) 20 in. long, 8 in. front wheel, ½ in. rubber tires. Each **$2.83**

1F238—(Mfrs 125) 22 in. long, 9 in. front wheel, ½ in. rubber tires. Each **$3.50**

"LIGHTNING" SCOOTER

1F250—30 in. high, 30 in. long over all, [illegible] in. footboard, red enameled steel frame, [illegible] corrugated rubber tires with [illegible] Doz **$12.75**

"OVERLAND" SCOOTERS

34 in. long, 29 in. high, 4½x12 in. natural varnished hardwood platform, green enameled steel frame, 9 in. double spoke wheels, red enameled cross handles. 2 in carton, 15 lbs.

1F221—½ in. rubber tires. Each **1.65**

"AMERICAN NATIONAL" DISC WHEEL SCOOTER

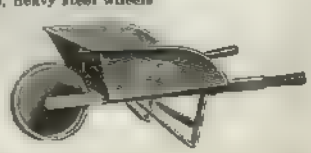
1F225—(Mfrs 122) 30 in. long, 32 in. high, black enameled steel frame, red enameled wood platform, decalcomania decoration, 10 in. red enameled double disc wheels, ⅝ in. corrugated rubber tires with stand. 2 in carton, 30 lbs. Each **$2.95**

TOY STEEL WHEELBARROWS

Sheet steel bodies, selected hardwood handles with round grips, heavy steel wheels

1F16—Garden barrow, "Little Giant" 21 in. long, 6½x8x2 in. blue body, turned edges, stained handles, 4 in. blue stamped double steel wheel, steel supports. ½ doz. in carton, 13 lbs. Doz **2.10**

1F12—Dump barrow, 29 in. long, 11x13 in. red body, 8 in. double pressed blue enamel steel wheels, green stained frame. 1 doz. in carton, 40 lbs. Doz **4.15**



1F14—Garden barrow, 33 in. long, 10½x15 in. red enameled body, 7 in. green enameled double disc wheels, green stained frame and handles. ½ doz. in carton, 25 lbs. Doz **7.25**

ANIMALS ON WHEELS

NATURAL FUR SKI TERRIERS

T2203-Long fur covered papier mache dog; composition painted face with collar and license tag, on wheels, length 5 in., height 7 ins.; 1 dozen in box Dozen 2.25

T2304—Same, larger; length 7 ins., 9 ins. high. Dozen 4.50

T2404½—Same, larger; length 8 ins., 9½ ins. high. Dozen....5.25

T2205—Same, larger; length 10 in.; 11 ins. high; each in box. Dozen 7.50

SPITZ

T2218—White Spitz dog; natural fur, glass eyes, jointed jaw, when tail is pressed down, opens mouth and barks, length 9 ins., 8½ ins. high; each in box Each 1.75

PLUSH ASSORTED

T2315—Assorted, bear, airdale dog and elephant; well made, long nap, natural glass eyes; gilt wheels; average size 8½ ins. long, 8 ins. high; ½ dozen in box. Dozen 9.00

PLUSH; WITH VOICE CINNAMON BEAR

T2321 — Paper mache brown cinnamon plush bear on wheels; exceptionally well modeled; glass eyes, shaped nose, studded leather collar and 8 in. chain; length 10 ins., 8½ ins. high; 1 in box. Dozen 9.00

T2322—Finely modeled, papier mache, brown plush bear; natural glass eyes; shaped nose and mouth, leather strap collar and chain mounted on wheels; length 10½ ins., 7 ins. high. Each 1.00

T2323—Same as T2322, larger; length 13 ins., 8 ins. high. Each 1.68

Every one of these animal toys is a star value, and return a nice profit for you.

BROWN BEAR WITH VOICE

T2326—Finely modeled, papier mache, brown plush bear; natural glass eyes; shaped nose and mouth, leather strap collar; mounted on wheels; length 13 ins., 10 ins. high. Each 2.75

T2327—Same as T2326, larger, with 30 in lead chain, and strong voice; length 18 ins., 13 ins. high; each in box Each 3.75

GRIZZLY BEAR WITH VOICE

T2324 — Brown, natural fur wooly bears, glass eyes, leather ears, leatherette muzzle; on wheels; length 11 ins., 7½ ins. high. Each 1.50

T2325—Same as T2324, larger; length 13 ins., 8½ ins. high Each 2.25

NODDING HEAD ANIMALS ON WHEELS

T2246 papier mache gray flannel covered donkey; glass eyes; leatherette bridle, saddle cloth; on wheels, length 6½ ins., 5½ ins. high, ½ dozen in box Dozen 4.00

T2247—Same as T2246 length 8 ins., 8 ins. high. Dozen 8.00

T2248—Same as T2246, length 10 ins., 9½ ins. high. Each 1.25

T2157—Gray finished composition; nicely modeled; shaking head; length 5 in., 3½ in high, no wheels; 1 dozen in box Dozen 89

T2158—Same as T2157, larger and on wheels; length 7½ ins., 4¼ ins high; ½ dozen in box. Doz. 2.15

T2159—Same as T2157, larger; no wheels; length 10 ins., 6½ ins. high. ½ dozen in box. Dozen 4.00

PLATFORM ANIMALS CLOTH COVERED

Nicely modeled papier mache cows, brown cloth covered; wood legs, and hoofs; natural glass eyes, and horns, hair brush tail; collar and bell; iron wheeled platform.

T2270—Cow 6 ins. long, 5 ins. high, platform 2¼x7 ins.; 1 dozen in box. Dozen 2.10

T2272 — Cow, 8 ins. long, 7 ins high; platform 3x8¾ ins., ½ dozen in box. Dozen . . 4.00

WITH VOICE

Same as above, except that when head is turned bawls in natural manner, on iron wheeled stained wood platform.

T2273—Cow 10½ ins. long, 8 ins high; platform 3¼x11 ins.; 1/6 dozen in box. Dozen 9.50

T2275—Cow 13 ins. long, 9¼ ins high; platform 4½x14 ins.; each in box. Each 1.25

T2276—Cow 14 ins. long, 8¾ ins high; platform 5x14¼ ins.; each in box. Each 1.50

T2277 Cow 14½ ins. long, 10 ins. high; platform 5x15½ ins.; each in box Each .. 1.75

WOOLY SHEEP

T2266—White wooly flannel covered; composition head, glass eyes; wood legs; on wheel platform 2x4½ ins.; sheep 4 in. long, 4 in. high; 1 dozen in box. Dozen 80

WITH VOICE

T2263 — Natural fluffy wool; papier mache body; composition head, glass eyes; wood shaped legs; with voice, collar and bell; on platform 2½x7 ins; sheep 6 ins. high, 5 ins long; ½ dozen in box. Dozen 4.00

CLOTH COVERED DONKEY WITH VOICE

T2249—Gray cloth covered donkey, glass eyes, shaped head, long ears, collar, and leatherette bridle and saddle; on platform 3¼x10½ ins.; size donkey 10 ins. long, 9 ins high; each in box. Dozen....9.50

HORSES

COMPOSITION

T2216 — Dapple gray composition; shaped wood legs; length 3 ins., 3¾ ins. high; 1 dozen in box. Dozen ..... .40

T2217—Same, larger; length 3¾ ins., 4 ins. high, 1 dozen in box Dozen ..... .78

PLATFORM HORSES PAPIER MACHE

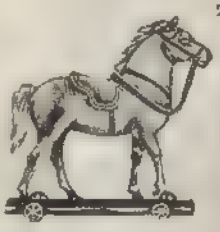
T2218—Papier mache, dappled gray hair mane and tail, on 1¾x3½ in stained platform; height 5 ins.; 1 doz. in box. Dozen .42

T2219—Same as T2218, larger; platform 2x6¼ ins., 6½ ins. high, 1 dozen in box. Dozen ..... .82

T2220—Papier mache, dappled gray hair mane and tail, horse 8½ inches high, 7½ in. long, on stained wood platform 2x7½ ins.; ½ dozen in box. Dozen 1.25

T2221—Same as T2220, larger; 2½x8 in. platform; horse 8 ins. long, 9 ins. high; ½ dozen in box. Dozen 2.00

CLOTH COVERED HORSES BROWN FLANNEL



T2236—Finely modeled saddle horse; papier mache, horse 11½ in. high, 9½ in long, flannel covered; wood legs; glass eyes; painted muzzle; natural hair mane and tail; on stained wheel platform 2x5¾ ins.; horse 5¼x6 ins.; 1 dozen in box. Dozen..2.70

T2237—Same as T2236, larger, platform 3x8½ ins.; horse 8x9 ins.; ½ dozen in box. Dozen 4.85

T2238—Same as T2237, larger, platform 3½x10½ ins.; horse 9½x11½ ins.; each in box. Dozen 8.00

FINE ANGORA GOATS

WITH VOICE

T2253—Papier mache body, natural skin covered; wood legs, and horns, glass eyes; shaped skin ears; ribbon collar; length 8½ ins., 8½ in. high; on stained platform, 3¼x8½ ins.; 1 in box. Each.... .78

T2254—Same as T2252, larger; length 12 ins., 11½ ins. high; platform 4¼x13 inches; each in box. Each 2.25

TEDDY BEAR CLOWN

Soft stuffed teddy bear; brown plush head and hands; natural glass eyes; shoulder jointed; red flannel suit, blue coat, white collar and tie, blue shoes; 1 in box

T2203—Height 9 ins. Dozen 4.50

T2204—Height 13 ins. Dozen 8.75

PLUSH COVERED HORSES

Papier mache bodies, natural hair finished black plush covered; wood legs; glass eyes, hair mane and tail; leather bridle; shaped saddle with saddle cloth and stirrups; on wheeled platform.

T2240—Platform 2½x8¾ ins.; horse 8 ins. long, 8¾ ins. high; total height 9½ ins.; ½ dozen in package Dozen ..4.85

T2242—Platform 4x12 ins.; horse 11½ ins. long, 12½ ins. high; total height 13 ins.; each in box. Dozen 9.00

T2243—Platform 4x12 ins.; horse 11½ ins. long, 12½ ins. high; total height 14 ins., each in box. Dozen 15.00

T2244—Paltform 4½x15 ins.; horse 14¼ ins. long, 14 ins. high; total height 16 ins.; each in box. Each 1.95

MECHANICAL ANIMAL TOYS

VELOCIPEDE MONK

T2347—Brown plush head, natural glass eyes; yellow flannel coat, green trousers; jointed legs; on velocipede; with cord; when drawn along, monk pedals in very lifelike manner; width 6¾ ins., 10 ins. high; each in box. Each 1.00

KITTY

T3182 — White plush cat, glass eyes, ribbon bow collar, on wheels, rolling ball; runs in circle length 10 ins., 5 ins. high Each 1.00

These animal toys are all picked values, naturally modeled and well made

WALKING DOGS

With the real dog trot.

T2198—white flannel, black spot bull dog; glass eyes; jointed legs, on concealed, milled wheels; fancy collar; when drawn along floor, legs move in walking manner; length 6½ in., 6 in high; ¼ dozen box.

Dozen 8.75

T2199-Long white, nap plush covered, black spots, shaped head, sewed nose and mouth, button eyes; collar and lead cord; jointed legs with concealed wheels; length 8 ins.; 6 ins. high; each in box. Each 1.25

T2197—Same as T2199, larger; length 11 ins., 10 ins high, each in box. Each 8.75

EXTRA LARGE HORSES AND WAGONS

T4024—Dray; blue enameled yellow striped; bed 5¾x9½ ins.; 3 in. red wheels; 6 inch plush horse with natural mane and tail; on platform leather harness (can be unhitched) loaded with boxes, barrels and bags of merchandise and skid; length 20 ins., width 6 in., 8 in. high; each wrapped. Each 1.75

T4022—Same as T4024, larger; 3½ in. wheels; larger load; length 23½ ins.; each; wrapped. Each....3.25

T4023—Milk wagon, yellow enameled bed, red striped 5½x12x3 in., red enameled gear; 5 and 6 in wheels; 9½ in. plush horse on platform, natural mane and tail; leather harness (can be unhitched); with driving lines; 4 tin milk cans; length 28 ins., width 8½ ins., 12 in. high; each wrapped. Each 3.25

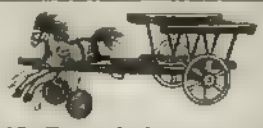
BIG VALUES; LOW PRICES

HORSES AND CARTS AND WAGONS

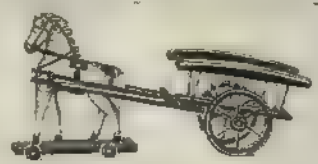
These are all made of selected materials throughout and handsomely and durably finished in attractive colors.

HORSES AND CARTS

T4036—Yellow stained cart, 1½ in. solid green wheels; 2½ in. dapple gray composition horse, length 7¾ ins., width 2¼ ins., 3¼ ins. high; 1 dozen in box. Dozen 85



T4037—Two wheel cart, stained yellow; natural finished 3½ in wheels; 5½ in. dappled horse, hair mane and tail; when in motion horse gallops; length 12 in., 4 in wide; 1 dozen in box. Dozen..2.10



T4038—Hay cart; 4 in. red enameled wheels, blue and natural finished cart; 4½ in. dappled composition horse, natural hair mane and tail; on platform 2x6¼ ins.; black leatherette harness; horse can be unhitched; width 5 ins., length 16 ins.; 7½ ins. high. Dozen....3.85

T4034—Green enameled road cart, white striped; 6 in. dappled papier mache horse, natural hair mane and tail; on platform 2x5¾ ins.; leatherette harness, horse can be unhitched; width 5 ins., length 15 ins.; 7 ins. high. Dozen.....4.85

T4015—Black enameled coal cart; 3½ in. red wheels; red gear and shafts; 5½x6½ in. brown plush horse; on 2½x7½ in. platform; natural hair mane and tail; yellow leatherette harness; horse can be unhitched; length 14 ins., width 6 ins.; height 7¾ ins. Dozen..10.20

T4017—Coal cart, black enameled bed, red striped; 6¼x7¾ in. plush horse, natural mane and tail; leather harness; horse can be unhitched; 4 in. red wheels; length 15½ ins., width 6½ ins., 8¼ ins. high; each in box. Each 1.00

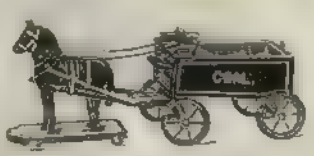
HORSES AND WAGONS

T4035—Composition dapple gray horse, hair mane and tail, painted and leather harness, on platform 2½x8 ins.; blue and red enameled wagon bed, shafts and gear; nicely striped 6x9x3½ ins.; 4 and 4½ in red wood wheels; total length 20 ins., width 8 ins., horse 9 in. high; each in carton. Dozen 6.00

T4016—Milk wagon, yellow 4x8x2 in. bed red striped, 5½ in. plush horse natural mane and tail, leather harness (can be unhitched), on platform; 3 and 3½ in. wheels, 4 tin milk cans; length 19 in., width 6½ ins., 8 in. high; each wrapped. Each 1.00

T4018—Dray, brown enameled bed yellow striped, 5x8½ in.; 2½ in. yellow wheels; 5½ in. plush horse, natural mane and tail, leather harness, (can be unhitched), on platform; length 18 ins., width 6½ in., 8 in. high; each wrapped. Each 1.00

T4019—Milk wagon; yellow 4½x9x2½ in. bed, red striped; 7 in plush horse, natural mane and tail, leatherette harness; horse can be unhitched; 3½ and 4½ in. wheels; 4 tin milk cans; length 21 ins., width 7½ ins., 9 ins. high. Each 1.75



T4020—Coal wagon; black enameled red gear, yellow striped; bed 4¾x9½x3¾ ins., 7 in. plush horse on platform, natural mane and tail; leather harness (can be unhitched); 3½ in. red wheels; length 22 ins., width 7½ in., 9 in. high; each wrapped. Each 1.75

We are showing the biggest values and the best sellers in all our Holiday lines.

WASH-DAY NEEDS

A selected line of the popular favorites; all big sellers and good money makers.

LAUNDRY SETS

T7704—Three piece set; 8 in. plain tub, folding drier, and wash boar., each set in carton. Dozen...2.25

T7706—Four piece set; 7 in. wash tub, wringer, board and clothes drier; each set in carton. Dozen 4.35

T7707—Four piece set, wringer, clothes drier, wash board and 9 in tub, all natural finish, each set in carton. Dozen 6.75

T7708—Folding bench 6½x12½x5¾ in. high; 9 in. red enameled tub; 12 in. wash board, wringer, clothes drier, and clothes pins; each set in box. Each..... .75

T7712—Three piece set, 3½x7 in. tub, wash board, drier and bundle clothes pins. Dozen sets.....4.50

T7713—Four piece set; 5x10 inch tub; 12 in. board, crystal glass 4½x6 in. rubbing surface; revolving clothes drier, carrying 5 ft. line, and 12 clothes pins in nursery rhyme printed bag; each set in carton. Set ..... .72

T7714—Same, but 6 piece set, with metal wringer ¾x4 in. rubber rolls and 11½x7½x4½ in. basket; each set in carton. Set 1.79

T7715—Same as T7714, but with nickel plated, clamp holding, cast iron and metal frame folding ironing board 18 in. high, with 5½x20 in. board; each set in carton. Set 2.40

WASH TUB

T7669 — Blue enameled out side, white inside, with handles; diameter 10 ins.; 5 ins. high; 1 dozen in carton Dozen 3.75

WRINGER

T7675—Metal frame, with two ¾ x4 in. rubber rolls; clamps for attaching to tub; size 5½x3x4½ ins., not including handles; each in carton. Each..... .72

WASH BOILERS

T7667—Heavy tin Toy Wash Boiler; riveted handles; size 5½x3x4 ins. high; 1 dozen in page. Dozen 90

BARREL O' PINS

T7686 — Turned wood barrel, 3x1½ in., containing 6 2½ inch clothes pins; 1 dozen in package Dozen 43

PAIL BOARD

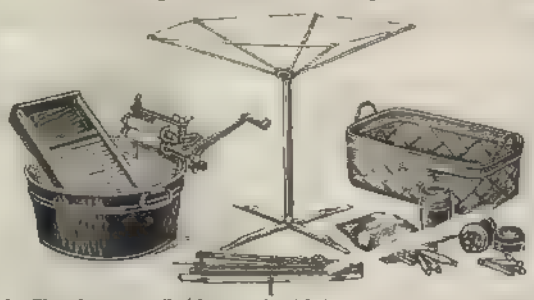
W188 — Pail washboard globe crimp tin plated rubbing surface; 5¾x7¾ in., strongly made. Width 7¾ ins., length 14½ ins., ½ doz. in a pkge. Dozen 1.45

DUST SETS

T3800 Enameled metal dust pan, with brush; on card 4¾x6¾ ins.; 1 dozen in package. Dozen .. .45

AN IDEAL, PRACTICAL LAUNDRY SET

The best and most practical child's laundry set on the market.



T7714—Six piece set; 5x10 in tub; 12 in. crystal glass wash board; revolving clothes drier, with 5 ft. line; bag clothes pins; metal wringer with ¾x4 in. rubber rolls, and 11½x7½x4½ in. basket; each set in carton. Set 1.79

KITCHEN CABINETS

Just like the kind mother has in her kitchen and with a nice assortment of miniature grocery packages.

T7746 — Golden oak, varnished; 2 compartments below, top hinged with shelf; fitted with assortment of facsimile packages of food; 8½ in. wide, 3½ in. deep, 10½ in high; each wrapped. Each ... .38

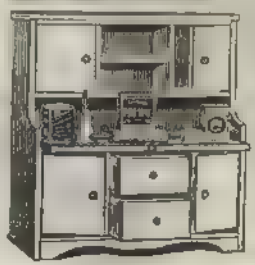
T7747—Golden oak, varnished, double compartment with 2 hinged doors; hinged top with 2 shelves; complete with groceries; 10 ins. wide, 4 ins. deep, 11¾ ins. high each in carton. Each 62

T7748—Golden oak, varnished, double lower compartment with 2 hinged doors; hinged top with 2 compartments; sliding bread board, with baking dish, rolling pin and potato masher; complete with groceries; 14½ ins. wide, 5 ins. deep, 15 ins high, each in carton. Each ..... .78

T7749 Golden oak, varnished double bottom compartment, hinged doors and 2 drawers; hinged top with 2 compartments, sliding bread board with rolling pin, mixing bowl and potato masher; complete with groceries; 14 ins. wide, 6 ins deep, 15 ins. high; each in carton Each 1.20

Buy your toys at headquarters; we are showing extra good values this year, every one a nice profit payer.

WHITE ENAMELED KITCHEN SET



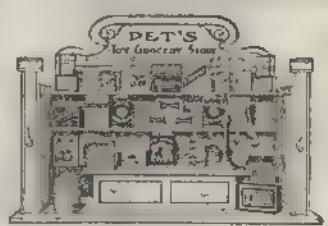
T7743—Finished in best quality white enamel; has 2 hinged door bottom compartment, 2 compartment shelf above; furnished with rolling pin, potato masher, mixing bowl, and 3 cans, for flour, cake and bread box; size 11¼ ins. wide, 5 ins. deep, 13 ins. high Each 1.15

T7744—Same, with 2 door compartments and 2 drawers below; 3 compartment shelf above; sliding bread board; additions cans for coffee, tea and sugar and a liberal supply of facsimile grocery packages; size 13¼ ins. wide, 5¼ ins. deep, 15 ins. high. Each 1.62

T7745—Same as T7744, but with 2 door compartment and shelf above; size 14¼ ins. wide, 5¼ ins. deep, 16 ins. high. Each 2.15

PANTRY SETS AND GROCERY STORES

T7741—All metal, rolled edges, ivory enameled, gold lettering; contains 1x1½ in. tea cannister, 1½x1½ in coffee cannister, 1⅞x1¾ in. sugar box, 2x2 in. flour box, 2½x1⅞ in. cake box and 2½x4x2 in. bread box; packed in display carton 8x11 ins., to represent pantry. Dozen 4.50



T7732—Interior grocery store; 12 in. front, 6 in. deep, 6½ in. high; contains counter, and open shelves and drawers; all labeled with contents; and miniature packages of staple groceries; each in carton. Each ..... .75

T7733—Extra fine grocery store; walls nicely papered; shelves and counter enameled old ivory, stripped in red; six drawers, labeled with contents; hanging shelf, two glass front panels, and various miniature packages of groceries; front 16½ ins., 8 ins. deep, 8½ ins. high; each in carton. Each 1.38

TOY BROOMS

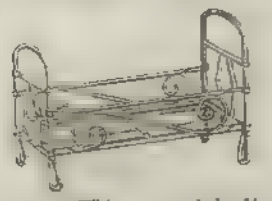
W29—Full size, good stock, assorted color banded handles; 2 sewed; 1 dozen in bundle.

Dozen 1.05

DOLL BEDS

Always good sellers; no holiday stock is complete without a liberal showing of these excellent values; include them in your order.

COLLAPSIBLE WIRE BEDS

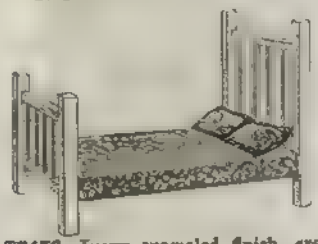


T7446 — White enameled; ⅛ in. flat metal, round head and foot pieces; removable, wire spring mattress; size 3x6¼ in., 4 in. high; 1 dozen in package. Dozen.. .89

T7447—Same, larger; size 3½x6½ ins., 4¾ ins. high; 1 dozen in pkge. Dozen 1.95

T7448—Same, larger; size 5¼x10 ins., 7 in. high; ½ dozen in pkge. Dozen 3.75

TRIMMED DOLL BEDS

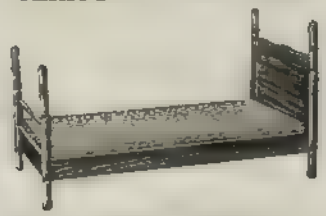


T7456—Ivory enameled finish, cretonne mattress with two pillows to match, size, length 19 in., width 12 in., height of head 14 in., screw construction; each in envelope. Dozen 12.00

T7457—Length 23 in., width 13 in., height of head 16 ins. Dozen 18.00

T7458—Length 30 in., width 17 in., height of head 17 ins. Dozen 24.00

MAHOGANY DOLL BEDS



T7482—Genuine mahogany; cretonne upholstered mattress; size, length 20 in., width 10⅝ in., height 11 in.; each in carton. Dozen .....OUT

T7483—Length 24 in., width 13 in., height 15 ins. Dozen 18.50

Don't compare these lines with the cheaply made, thrown together ones.

AUTOMATIC CRADLES

T7454—Spring mechanism causes cradle to rock automatically; enamel finish, size over all 18½ in. long, 9 in. wide, 13¾ in. high. Each 2.65

T7455—Same, larger; size over all 27 in. long, 11½ in. wide, 17 in. high. Each 3.75

BASSINETS

T7477—Ivory finished; screw construction, well made, with upholstered mattress and pillows; size, 19 in long, 12 in. wide, 5½ in. to top of rail; each in envelope with casters. Each 1.68

T7478—Same, larger; size, 23 in long, 13 in. wide, 6½ in. to top of rail; with casters. Each...2.75

T7479—Mamma Doll Bassinett; same, larger; size, 30 in. long, 17 in. wide, 21 in. high, 7 in. to top of rails; with casters. Each 3.25

T7489—Woven willow, reinforced top and bottom; wood bottom and rockers; white enameled, gilt trim; cretonne collapsible hood; cretonne lined; basket 8x12 in., 10 in high (top of hood). Each 1.00

T7490—Same as T7489, larger; basket 10x14 in., 14 in. high (top of hood). Each 1.89

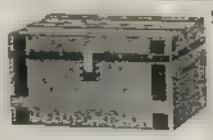
A GOOD NUMBER AT A SPECIAL PRICE

Adjustable hood, corduroy upholstered; finely finished.

T7190—Size 23 ins. long, 11 ins. wide, 28½ ins. high; body and hood with roll; 8 in. double spoke wheels, rubber tire, and hub cap; body and hood upholstered in corduroy; reclining back, gears black enameled; finished natural; each in carton. Each 6.00

TOY TRUNKS

All the popular styles the girls demand; picked values; handsomely finished, good sellers; don't overlook wardrobe trunks.



T7595—Gray marble, paper covered, natural finished reinforced strips, leather handles, tray, brass clasp, size 6x11x6 ins. Dozen 4.50

T7596—Same, larger; fitted with brass lock and key; size 6¼x12x6¼ ins. Dozen 8.75

T7597—Same, larger; fitted with brass lock and key; size 6¾x13x6¾ ins. Dozen 9.50

T7598—Gray marble paper covered, natural finished reinforced strips, black enameled metal bound; leather handles; brass suit case lock and key; with tray; size 7½x14x7½ ins. Dozen ...18.50

T7599—Same, larger; 9x16x9 ins. Dozen 17.00

T7601—Corduroy canvas covered, natural finished, reinforced strips, brass bound corners, leather handles, brass suit case lock and key; tray with hat box compartment; size 7½x14x7½ ins. Each.....1.25

T7602—Same, larger; size 9x16x9 ins. Each 1.85

T7603—Same, larger, size 10½x18 x10½ ins. Each 2.25

T7606—Brown cobra leather; genuine leather binding; brass suit case lock; size 9x16x9 ins. Each 2.00

T7607—Same, larger, 10½x18x 10½ ins. Each 2.60

T7608—Maroon cobra leather; genuine leather binding; brass suit case lock; size 12x20x12 ins. Each 4.75

WARDROBE TRUNKS

Green leatherette covered; natural finished reinforced strips, varnished; black enameled metal bound, lacquered brass corners, brass lock with key, fitted with clothes hangers, and cretonne shoe box

	Each
T7616—Size 12x 6 x5⅞ ins.	.79
T7617 Size 14x 7½x6 ins.	1.20
T7618—Size 16x 9 x7¾ ins.	1.60
T7619—Size 18x10¾x9¼ ins.	1.95

EXTRA FINE WARDROBE TRUNK

T7620—Brown leatherette canvas covered; full coppered valance and copper trimming; two drawers, hat compartment and hangers; size 18x10¾x 9¼ ins. Each 3.90

CEDAR CHESTS

Made from selected aromatic red cedar, beautiful natural grain, smooth sanded and nicely finished.

CANDY BOXES

Made of ⅝ in. selected cedar, smooth finish, varnished; for holding box candies.

T7631—½ lb. size; copper studded; 2 copper top ornaments; size 3½x 6¼x3 ins. high. Dozen.....4.50

T7632—1 lb. size; corners copper trimmed, with 2 top ornaments, with handles; size 4¾x8½x3¼ ins. high. Dozen 11.40

T7633 — 2 lb. size; copper trim corners, front and top, with two copper ornaments; handled; size 5⅝x9½x4¼ ins. high. Dozen 12.00

T7634—5 lb. size; copper trim corners, two copper top and front ornaments; size 6½x13¾x5 ins. high. Dozen 21.00

DOLL WARDROBE

Not Trimmed

Nicely mottled and finished; plain; footed.

T7591—18 in. long, 9¼ in. wide, 8 in. high. Each 2.50

T7592—21 in. long, 10½ in. wide, 9½ ins. high. Each .....OUT

Copper Trimmed

Copper band front and top, scroll brackets; footed.

T7593—18 in. long, 9½ in. wide, 8 ins. high. Each 3.15

T7594—21 in. long, 10½ in wide, 9½ ins. high. Each 3.75

AUTOMOBILES

STAR

Length overall—34 inches.

Finish—Green, trimmed in yellow.

Equipment—Steel radiator front, all steel seat, windshield, horn, cast steering wheel with gas control, aluminum winged motor-meter, bumper.

Gear—No dead center with adjustable rubber pedals.

Wheels—8 inch disc wheels, ½ inch rubber tires, enameled red, nickel plated hub caps.

	Each
No. 507D—Star, weight each 35 lbs.	$14 00

One in a Carton, K. D.

JEWETT

Length overall 32 inches.

Finish—Red, trimmed in yellow.

Equipment—Steel radiator front, all steel seat, cast steering wheel, radiator cap

Gear No dead center with adjustable pedals.

Wheels—10 inch wire, enameled red, ⅜ inch rubber tires, nickeled hub caps.

	Each
No. 511—Jewett, weight each 35 lbs.	$9.50

One in a Carton, K. D.

AUTOMOBILES

ESSEX

Length overall—35 inches.
Finish—Red and yellow, trimmed in black.
Equipment—Steel radiator front, all steel seat, cast steering wheel with gas control, aluminum winged motor-meter, license tag, bumper.
Gear—No dead center with adjustable rubber pedals.
Wheels—10 inch disc wheels, enameled red, ½ inch rubber tires, nickeled hub caps.

	Each
No. 515D—Essex, weight each 35 lbs.	$13.50

One in a Carton, K. D.

OVERLAND

Cantilever Rear Springs

Length overall—36 inches.
Finish—Yale blue, trimmed in yellow and black.
Equipment—Steel radiator front, all steel seat, resilient cantilever rear springs, adjustable windshield, head lamps, cast steering wheel with gas control, aluminum winged motor-meter, license tag, bumper, horn.
Gear—No dead center with adjustable rubber pedals.
Wheels—10 inch disc, enameled red, ½ inch rubber tires, nickeled hub caps.

	Each
No. 521D—Overland, weight each 40 lbs.	$18 00

One in a Carton, K. D.

HUPP

Cantilever Rear Springs

Length overall—36 inches.
Finish—Red, trimmed in yellow.
Equipment—Steel radiator front, all steel seat, resilient cantilever rear springs, adjustable windshield, running boards and fenders, cast steering wheel with gas control, aluminum winged motor-meter, bumper, license tag.
Gear—No dead center with adjustable rubber pedals.
Wheels—10 inch disc, enameled red, ½ inch rubber tires, nickeled hub caps.

	Each
No. 523D—Hupp, weight each 55 lbs.	$19.00

One in a Wire Bound Box, K. D.

AUTOMOBILES

HUDSON

Cantilever Rear Springs

Length Overall—38 inches.

Finish—Maroon, trimmed in yellow.

Equipment—Steel radiator front, all steel seat, resilient cantilever rear springs, adjustable windshield, running boards and fenders, cast steering wheel with gas control, aluminum winged motor-meter, license tag, bumper, leather seat cushion

Gear—No dead center and adjustable rubber pedals.

Wheels—10 in. disc, enameled red, ½ in. rubber tires, nickeled hub caps.

Each

No. 527D—Weight each 58 lbs. $22 00

One in a Wire Bound Box, K. D.

CHRYSLER

Cantilever Rear Springs

Length Overall—40 inches.

Finish—Biege (Tan), trimmed in apple green, dark blue and yellow.

Equipment—Steel radiator front, all steel seat, resilient cantilever rear springs, adjustable windshield, die formed crown fenders and running boards, large composition steering wheel with gas and spark control, gear shift and emergency brake lever, head lamps, instrument board, aluminum winged motor-meter, horn, license tag, oil can and bracket, bumper, leather seat cushion.

Gear—No dead center with adjustable rubber pedals.

Wheels—10¾ in. roller bearing disc, enameled red, 1 in. balloon tires, nickeled hub caps.

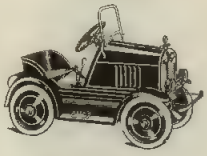
Each

No. 533D—Chrysler, Weight each 60 lbs. $23.00

One in a Wire Bound Box, K. D.

AUTOMOBILES

STUTZ



Cantilever Rear Springs

Length Overall—40 inches.

Finish—Apple green, trimmed in yellow.

Equipment—Nickel plated steel radiator front, all steel seat, resilient cantilever rear spring, adjustable windshield, die formed crown fenders and running boards, large composition steering wheel with gas and spark control, gear shift and emergency brake levers, instrument board, head lamps, license tag, gas tank, nickeled step plates, aluminum winged motor-meter, horn, oil can and bracket, bumper, leather seat cushion, blue streak motor hummer

Gear—No dead center with adjustable rubber pedals.

Wheels—10⅝ in. roller bearing disc, enameled red, 1 in. balloon tires, nickeled hub caps

Each

No. 537DM—Stutz, weight each 65 lbs. $32.00

One in a Wire Bound Box, K. D.

BUICK

Cantilever Springs Front and Rear

Length Overall—46 inches.

Finish—Biege (Tan) trimmed in brown, striped with orange and black.

Equipment—Resilient cantilever springs front and rear, nickel plated steel radiator with screen mesh front, all steel seat, composition tilting steering wheel with gas and spark control, nickel plated biflex bumper, gear shift and emergency brake levers, aluminum sport steps, nickel plated scuff plates, head lamps, cowl lamps, instrument board, license tag, special horn, trunk, eagle radiator cap, tool kit and tools, leather seat cushion, oil can with bracket, blue streak motor hummer.

Gear—No dead center with adjustable rubber pedals.

Wheels—12⅝ in. roller bearing disc, enameled red, 1 in. balloon tires, nickeled hub caps.

Each

No. 543DM—Buick, weight each 92 lbs. $38.00

One in a Wire Bound Box, K. D.

TOY CAP PISTOLS

INVINCIBLE

50 Shot, Repeater.

Made of iron; bright finish. Repeats, giving 50 loud reports as fast as trigger can be pulled, strikes a forward blow, thus avoiding danger. The ammunition as shown in illustration, is locked in magazine. A toy that will appeal to every boy.

	Per Doz
No. 50 Length 5 ½ ins	$6 75

One in cardboard box, wt per doz 9 lbs.

TOY CAP PISTOL ASSORTMENTS

	Per Ass't
No. 1—Includes 1 doz No. 50 Pistols and 10 doz No. 1SA Caps	$12 75
No. 2 Includes 1 doz No 50 Pistols and 7½ doz No 1SA Caps	11 25
No. 3 Includes 1 doz No. 50 Pistols and 5 doz No. 1SA Caps	9 75

TOY PISTOLS

RONSON REPEATER

Each pull of trigger shoots big flash 5000 flashes to the load. Looks and shoots like a real automatic revolver. Absolutely harmless, complying with laws of every state. Easily reloaded. Length over all 4 inches.

No.	**7R**
Doz lots, Per Doz	$ 6 75
½ gro lots, Per Gro	75 00
1 gro or more, Per Gro	72 00

One in cardboard box, 12 in display box; wt 3 lbs.

RED SKIN RELOADS FOR RONSON PISTOLS

	Per Gro
No. 17A—Wt per gro 1 lb	$15 75

One gro in cardboard box.

TOY RIFLES

"BOY SCOUT", Repeating.

Barrel is made of stamped steel, blued finish; best hardwood stock; the only repeating rifle exploding caps on the inside, fires 50 shots without reloading; the close resemblance to a real rifle will please every boy.

With each dozen rifles sell 10 dozen No. 1SA caps.

	Per Doz
No. 5SR—Length 30 ins; wt per doz 20 lbs	$19 50

Packed half gro in case.

PAPER CAPS

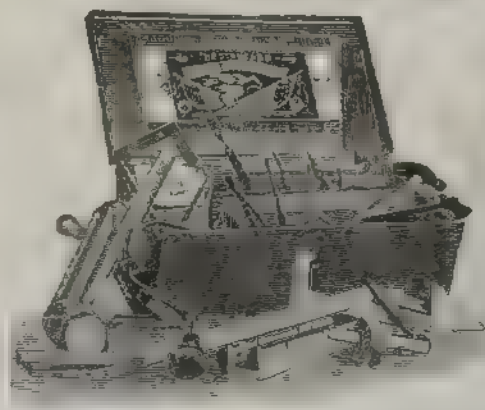
Scout.

Made especially for Repeating Toy Rifles and Pistols.

	Per Doz Cartons
No. 1SA 50 caps in a roll, 5 rolls in a carton; wt per doz cartons ½ lb	$1 20

5 doz cartons to box; 12 boxes to case.

JUVENILE TOOL CHESTS



Strongly made of selected hardwood, shellac finish, dove-tailed corners with moulding at top and bottom; hinged top, removable tray, hook and eye fasteners.

No. M210—Consists of 9 tools as described below, with chest 10x4 ½x2 ½ ins, wt per doz sets 12 lbs — Per Doz $10 50

1 Mallet	1 Rule	1 Try Square
1 Saw	1 Crayon	1 Triangle
1 Hammer	1 T Square	Sand Paper

No. M250—Consists of 13 tools as described below, with chest 10x4 ½x2 ½ ins; wt per doz sets 18 lbs — Per Doz $21 75

1 Mallet	1 Bench Hook	1 Triangle
1 Saw	Nails & Tacks	Sand Paper
1 Hammer	1 T Square	1 Plumb Bob
1 Rule	1 Try Square	1 Mitre Gauge
1 Crayon		

No. M260—Consists of 13 tools as described below; with chest 11x5x3 ½ ins; wt per doz sets 24 lbs — Per Doz $28 50

1 Mallet	1 Smoothing Plane
1 Saw	1 Mitre Gauge
1 Hammer	1 T Square
1 Rule	1 Try Square
1 Crayon	1 Triangle
Nails & Tacks	Sand Paper
1 Plumb Bob	

No. M290—Consists of 16 tools as described below, with chest 13x6 ½x4 ½ ins; wt per doz sets 36 lbs — Per Doz $37 80

1 Mallet	1 Smoothing Plane
1 Saw	1 Mitre Gauge
1 Chisel	1 T Square
1 Screw Driver	1 Try Square
1 Hammer	1 Triangle
1 Tape Line	Sand Paper
1 Rule	Nails & Tacks
1 Lead Pencil	1 Crayon

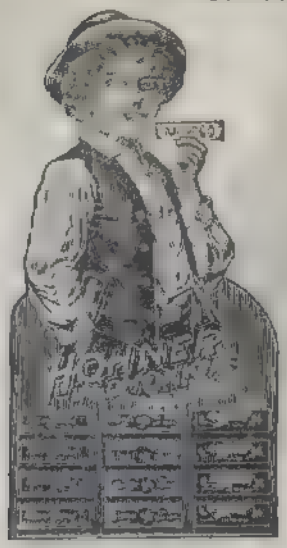
Made of selected hardwood, shellac finish; dove tail corners; hinged top; removable tray. Length 16½ inches; width 8 inches; depth 6 inches

No. M2700—Wt per doz sets 95 lbs — Per Doz Sets $78 00

Set consists of 22 tools as described below:

Mallet, 2 in. head.	Smoothing plane, 1¾ in.
Saw with 6 in. blade.	Mitre box.
Chisel with 4 in. blade.	Mitre gauge.
Screw Driver, Frame handle	T. square.
Hammer, coppered head.	Try square.
Hatchet with gilt and polished blade.	Triangle.
Tape line.	Sand paper.
Hand screw, 6 in.	Nail set.
Round Marking gauge.	Nails and tacks.
Twelve in rule.	Crayon.
	Lead pencil.

HARMONICAS



HOHNER, Assortment.

Scales A, B, C, D, E, F, G.

Assortment consists of one dozen Harmonicas that will easily retail at 50 cents, one lithographed cut-out printed in six colors. Height 31 inches.

Per Ass't

No. 425—Complete as described above..... **$12 75**

One ass't in carton.

(Closed)

Hardwood display cabinet, light oak finish; comprises three trays displaying an assortment of 78 harmonicas ranging in price from 10 to 60 cents each.

(Open)

Assortment consists of the following:		Retail Value
6 Harmonicas	$0 50	$3 00
6 Harmonicas	60	3 60
12 Harmonicas	25	3 00
30 Harmonicas	10	3 00
24 Harmonicas	15	3 60
		$16 20

Per Ass't

No. 700—Ass't complete as above described..... **$28 50**

One ass't in carton; wt each 13 lbs.

(Closed)

The Hohner collapsible display cabinet comprises three trays, made of seasoned wood, finished in rich dark mahogany highly polished, with attractive gold lettering on top panel. The cabinet when open presents the assortment of 38 harmonicas at one time.

(Open)

Assortment consists of 38 harmonicas assorted in 9 different styles. All Keys.

		Retail Value
16 Harmonicas	$0 50	$8 00
6 Harmonicas	60	3 60
6 Harmonicas	75	4 50
10 Harmonicas	1 00	10 00
		$26 10

Per Ass't

No. 400—Complete as described above..... **$46 50**

One ass't in carton; wt each 11 lbs.

HARMONICAS

HOHNER, Assortment.

These assortments are made up of 12 Harmonicas of different styles and 7 different keys, neatly arranged in a display box.

Scales A, B, C, D, E, F, G.

Per Doz

No. 1—Consists of one doz Harmonicas to retail at 50 cents each..... **$12 30**

No. 2—Consists of one doz Harmonicas to retail at one dollar each..... **19 26**

One ass't in display box; wt per ass't about 8 lbs

HOHNER, Assortment.

Revolving display stand in the form of an obelisk, made of seasoned wood, finished in rich dark mahogany highly polished 32 inches high and 10¾ inches square at base. Decorated with attractive silver pressings and stenciled with the number and retail price of the Harmonicas. By means of steel clamps and supports 36 Harmonicas in the keys of A, B, C, D, E, F, and G are fastened to the obelisk. These Harmonicas are assorted in 12 different styles. In the base compartment is a well constructed motor that revolves the obelisk for three and one-half hours with one winding.

Assortment consists of 36 Harmonicas, assorted in 12 different styles.

		Retail Value
16 Assorted Harmonicas	$0 60	$8 00
4 Assorted Harmonicas	60	2 40
8 Assorted Harmonicas	75	6 00
2 Assorted Harmonicas	1 00	2 00
4 Assorted Harmonicas	1 50	6 00
2 Assorted Harmonicas	2 00	4 00
		$28 40

Per Ass't

No. 600—Complete as described above..... **$67 50**

One ass't in case; wt per ass't 55 lbs.

SKUDDER CARS

Propelled by direct ratchet drive on a one-piece ball-bearing axle, also a great coaster, being ball-bearing. Pressed steel steering wheel, frame and steering fork; red with black wheels, steering wheel and trimmings.

Each

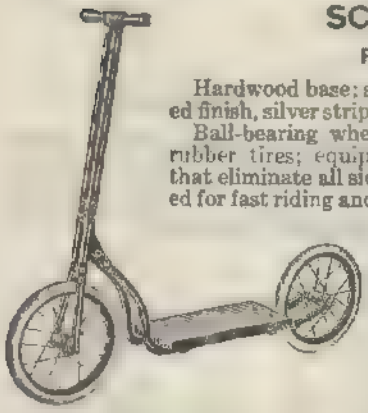
No. 2-Junior—Length frame 19½ ins; width frame 10½ ins; length over all 37½ ins; extreme width hub to hub 17½ ins; height steering wheel 31 ins; 10 in rear and 8 in. front wheels; ½ in. rubber tires; wt each 24 lbs $17 25

No. 1-Standard—Length frame 22 ins; width frame 13 ins; length over all 40 ins; extreme width hub to hub 20 ins; height steering wheel 36 ins; 12 in. rear and 10 in. front wheels; ½ in. rubber tires; wt each 27 lbs 18 00

One in crate.

SCOOTERS

ROLLFAST



Hardwood base; steel frame; maroon enameled finish, silver striped.

Ball-bearing wheels, with 1 inch cushioned rubber tires; equipped with adjustable cones that eliminate all side play. Especially designed for fast riding and coasting.

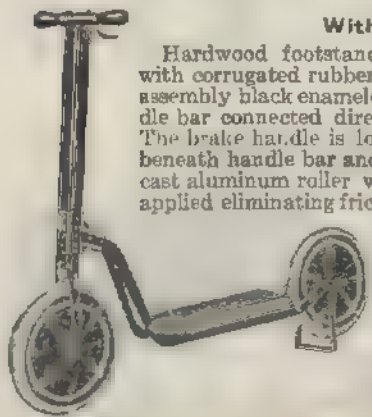
Each

No. 51—Spoke wheels; diam 10 ins; wt each 14 lbs $13 50

No. 52—Disc wheels, diam 10 ins; wt each 17 lbs 13 50

No. 53—Spoke wheels, diam 14 ins; wt each 18 lbs 15 75

One in crate.



With Brake.

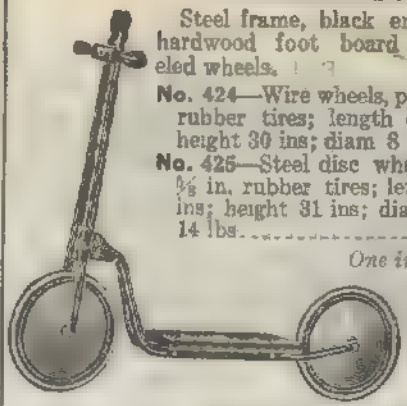
Hardwood footstand, red enameled, covered with corrugated rubber pad; ¾x3/16 inch steel fork assembly black enameled. Hardwood turned handle bar connected directly with frame members. The brake handle is located on right handle just beneath handle bar and consists of a spring and cast aluminum roller which turns when brake is applied eliminating friction. Self contained, roller bearing, pressed steel disc wheels fitted with 1 inch solid rubber tires.

Each

No. 75 Diam wheels 10 ins; length 29 ins; height 36 ins $14 25

One in carton K. D.; wt each 18 lbs.

SCOOTERS



Steel frame, black enameled; natural finish; hardwood foot board 5½x18 ins. Red enameled wheels.

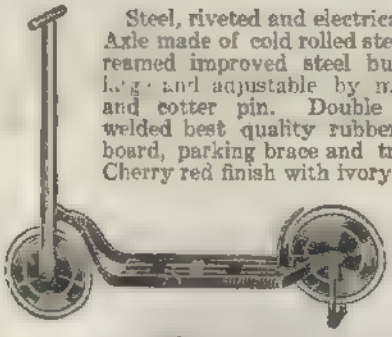
Each

No. 424—Wire wheels, plain bearings; ¼ in. rubber tires; length over all 34½ ins; height 30 ins; diam 8 ins; wt each 10 lbs $7 50

No. 425—Steel disc wheels, ball-bearings; ⅝ in. rubber tires; length over all 36½ ins; height 31 ins; diam 10 ins; wt each 14 lbs 10 50

One in crate.

SCOOT-A-WAYS



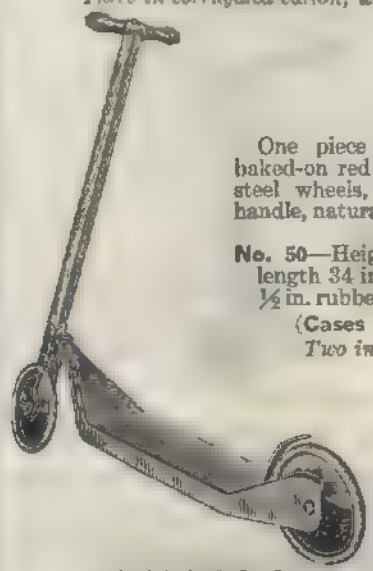
Steel, riveted and electrically welded; wood handle. Axle made of cold rolled steel and fitting in doubly reamed improved steel bushings. Bearings extra large and adjustable by means of castellated nut and cotter pin. Double disc steel wheels, spot welded best quality rubber tires. One piece footboard, parking brace and triple purpose foot-guard. Cherry red finish with ivory striping on wheels.

Each

No. 127—8 in. wheels with ⅝ in. rubber tires; length 34 ins height 30½ ins $7 95

Sold in full carton lots only.

Three in corrugated carton; wt per carton 33½ lbs.



One piece heavy sheet steel body, baked-on red enamel finish; double disc steel wheels, red enameled; hardwood handle, natural varnish finish.

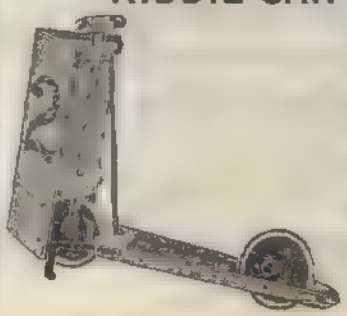
Each

No. 50—Height over all 30 ins; length 34 ins; diam wheels 6 ins; ½ in. rubber tires $5 25

(Cases will not be broken).

Two in case; wt each 6 lbs.

KIDDIE CAR SCOOTERS



Steel frame, black enameled; wood box front and seat, natural finish. Equipped with folding step for standing position; can also be used for a brake.

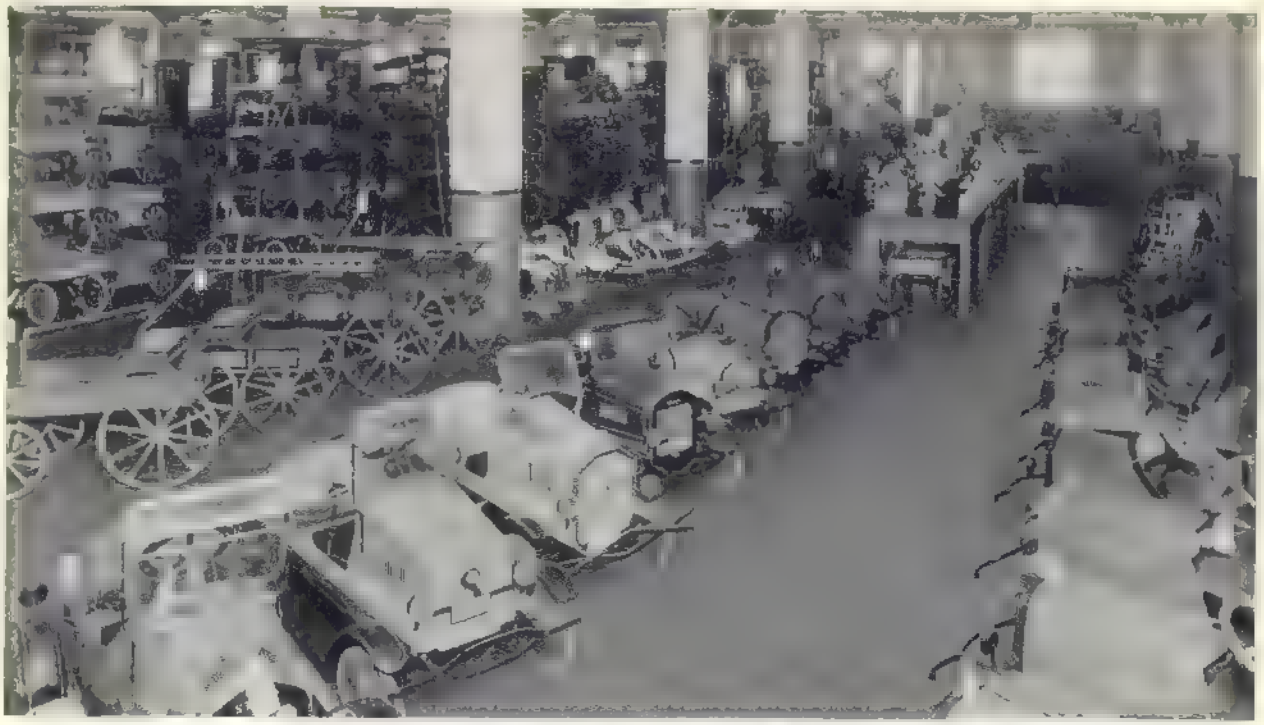
8½ inch roller bearing disc wheels; ¾ inch tires.

Each

No. 805—Length 40 ins; height 29 ins; wheel base 26 ins.. 13 20

$6 00

One in crate; wt each 17 lbs.



CHILDREN'S VEHICLES AND TOYS OF ALL KINDS

COMPLETE SHOWING OF MECHANICAL TOYS AND PLAYTHINGS

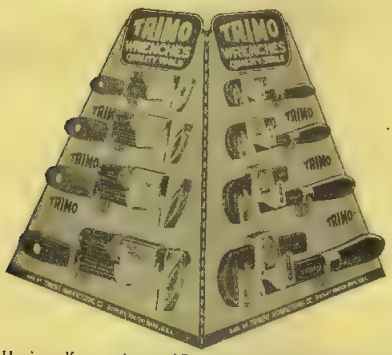
SECTION OF DISPLAY OF PLUMBING FIXTURES

ANOTHER VIEW OF PLUMBING FIXTURE DISPLAY

TRIMO

Wrenches Well Displayed

Mean More Sales — Sales Make Profits



Here's a self-supporting metal Display Stand—ideal for window or counter. Get it free from us or write us saying that you have the necessary stock of 6", 8", 10" and 14" Trimo Pipe Wrenches or 6", 8", 10" and 12" Trimo Monkey Wrenches and we'll send it from factory by parcel post at no expense to you.

This handsome metal Display Stand with easel support is yours free of charge. Order from us or write us direct telling us that you have a sufficient stock of 6", 8", 10" and 14" Trimo Pipe Wrenches for use on the stand and we'll send you one by parcel post without expense on your part.

The popular 10-inch wood handle Trimo Pipe Wrench is packed in an attractive individual carton.

When ordering, ask us to send you this eye-compelling counter display box and six extra cartons to fill in.

TRIMO ADVERTISING

Through the following publications is reaching your customer.

National Farm Papers Country Gentleman; Farm Journal; Successful Farming.

Class and Technical Publications **Saturday Evening Post;** Plumbers Trade Journal; Hardware and Metal; **Popular Science Monthly;** National Engineer; Oil and Gas Journal; Petroleum Register; Oil Weekly; Hardware World; Chilton Automobile Directory, Purchasing Agent; Southern Engineer; Sanitary Engineer; Hardware Age; Southern Hardware and Implement Journal; Hardware Retailer.

SUPPLEE-BIDDLE HARDWARE COMPANY, PHILADELPHIA, PA.

TRIMO TOOLS

Trimo Steel Handle Pipe Wrench

	6"	8"	10"	14"	18"	24"	36"	48"
List each	2.00	2.25	2.50	3.50	5.00	7.25	13.50	20.00

Discount 60 10%

Trimo Wood Handle Pipe Wrench

	6"	8"	10"	14"
Net each	.72	.81	.90	1.26

Trimo Knife Handle Screw Wrench

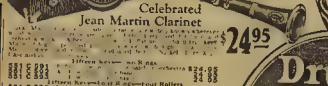
	6"	8"	10"	12"
List per Doz.	15.00	18.00	22.00	28.00

Discount 40%

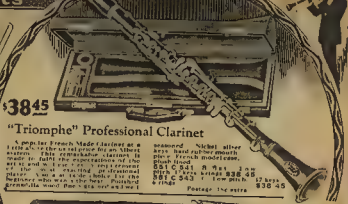
SUPPLEE-BIDDLE HARDWARE CO., Philadelphia, Pa.

For Band or Orchestra
Fine Toned Instruments

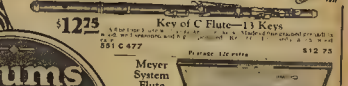
$16.95 "Triomphe" Imported French Clarinet



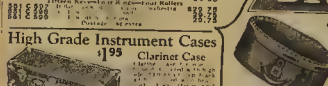
Celebrated Jean Martin Clarinet **$24.95**

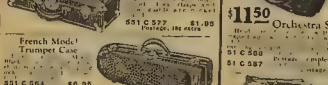


$38.45 "Triomphe" Professional Clarinet

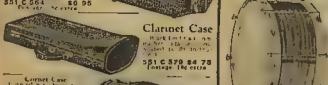


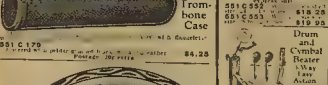
$12.75 Key of C Flute—13 Keys

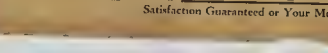




High Grade Instrument Cases **$1.95**

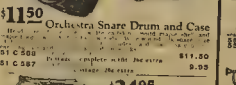




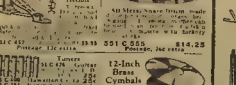


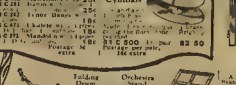
Drums

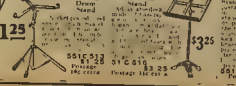
$11.50 Orchestra Snare Drum and Case

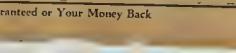


$24.95 Junior Drum Outfit

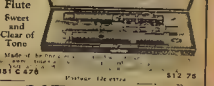


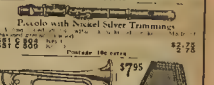


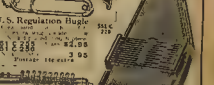


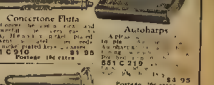


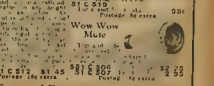
Meyer System Flute Sweet and Clear of Tone

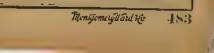








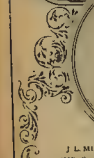




Our Leader Music Stand and Bag **98¢**

Rigid Sturdy Compact

Grey Gull Records



The real test of a record is how it sounds when a banjo is played on it—three of these fine records for only 85¢. Order them by number. Words of the song appear on the labels of records and their low price. All records are 10-inch unless otherwise stated.

3 for 85¢
10 for $2.55
We Pay Postage

Grey Gull Records are the finest you can buy. Next the musical word is to offer them through this little book. And that your favorite singer, orchestra or entertainer will receive one of these records. All records are 10-inch unless otherwise stated.

J. L. MITCHELL, Manager Music Department

THE final test of a good instrument is its TONE. The tone quality depends entirely upon the materials used and the care and skill with which the maker has worked.

No matter how perfect the design of a violin or piano or brass instrument, if the maker chooses inferior wood or metal or if he shapes it carelessly or leaves it badly, the tone of his instrument can not fail to be flat and unmusical.

It is a point of pride with us that every instrument we sell is fine through and through. We entrust their manufacture only to makers who are known the world over for the tone excellence of their instruments. We set high standards for quality of materials and workmanship and we accept only the best.

When an instrument is shown in our catalogue you can be sure it has passed our test for tone excellence.

It is desiring to try to judge the quality of Ward's instruments by comparing our prices with those of other makers. Remember, we are buying direct from the makers, in the huge quantities necessary to supply millions of customers. Our prices as a rule are twenty per cent to fifty per cent lower than you will pay elsewhere for instruments of the same quality.

J. L. Mitchell

Popular Dance Hits

*52 C 1316	Yes for Two—Fox Trot	Ben Selvin's Dance Orchestra
	Dreamy Night—Fox Trot	
*52 C 1317	Sweetheart—Fox Trot	Ben Selvin's Dance Orchestra
	Wanted Twice—Fox Trot	
52 C 3283	Because They All Love You—Fox Trot	Original Dance Orchestra
	Wifey—Fox Trot	
*51 C 1255	Honest and Truly—Fox Trot	Ben Selvin's Dance Orchestra
	I Want You	
52 C 3272	Yesterday—Fox Trot	Lou Gold and His Orchestra
	Lass to Please—Fox Trot	
52 C 3241	Memory—Fox Trot	Ben Selvin's Dance Orchestra
	Where Was I—Fox Trot	
52 C 3256	Follow the Swallow—Fox Trot	Jack Chapman's Dance Orchestra
	Pretty—Fox Trot	

Popular Songs

52 C 3177	Rocked in the Cradle of the Deep	Irving Gillette
	Just Like You	Irving Gillette
52 C 3186	All Alone	Arthur Hall
	When We Were Sweethearts	Arthur Hall
52 C 3181	Dreaming	Ben Selvin's Orchestra
	Dreamy Night	
52 C 3161	I love the Sea	Irving Gillette
	Let a Little Sunshine In	Irving Gillette
52 C 3171	Too Tired	Arthur Field
	I'm Tomorrow or a Hereafter	Arthur Field
52 C 3183	O Katharina	Arthur Field
	Ida	Arthur Field
52 C 3175	Me and Ma Boy Friend	Irving Gillette
	Arabella—Tenor Solo with Orchestra	
52 C 3191	Let Me Linger Longer in Your Arms—Fox Trot	Ben Selvin's Dance Orchestra
	Dreamy Night—Fox Trot	
52 C 3278	Let Me Linger Longer in Your Arms—Fox Trot	Ben Selvin's Dance Orchestra
	Tower Solo	Ben Lilienfeld

Standard Songs

52 C 4019	Carry Me Back to Old Virginia	Alan Skinner
	Dixie	Alan Skinner
52 C 4042	Last Rose of Summer	Whistling Duet with Orchestra
	Kathleen	
52 C 3208	Sleep, Baby, Sleep—Yodel	Jimmie Rodgers
	Waiting for the Robert E. Lee	Jimmie Rodgers
52 C 4035	Love's Old Sweet Song—Violin Solo—Duet Players	Ben Lilienfeld
	In the Chimney	

*52 C 4017	Annie Laurie	Stellar Quartette
	Sally in Our Alley	Stellar Quartette
*52 C 4018	Medley—Old Time Songs	Stellar Quartette
	Part 1—Mother Goose	
	Medley of Old Time Songs	Stellar Quartette
	Part 2—Mother Goose	
*52 C 4031	When You and I Were Young, Maggie	Stellar Quartette
	My Old Kentucky Home	
*52 C 4029	Silver Threads Among the Gold	Stellar Quartette
	The Prospector	Ernie Dunlavy
*52 C 4030	Star Spangled Banner	Stellar Quartette
	America	
52 C 4017	O, Darwing—Tenor Solo	Frank Croxton
	Macushla—Tenor Solo	Frank Croxton
52 C 4167	Whispering Hope	Stellar Quartette
	Pop goes the Weasel	Stellar Quartette

Standard Instrumental

52 C 4041	Melody in F	Violin Solo
	Traumerei—Violin Solo	Jean Chemet
52 C 4042	Holy Night	Violin and Piano
	Holy Night	Jean Chemet
52 C 4042	Jolly Coppersmith—La Maci	Violin Solo
	Ins nothin but Work	Violin and Piano
52 C 4048	Rip Van Winkle	Violin Solo
	La Cucaracha Waltz	Violin and Piano
52 C 4014	Sextette—Old Folks at Home	Violin Solo
	Serenade	Violin and Piano
52 C 4015	Elsa Waltz	Violin Solo
	Medley of Southern Songs	Violin and Piano
52 C 4049	Sleep, Baby, Sleep	Violin Solo
	Spring Song—Piano Solo	Violin and Piano
52 C 4151	Hawaiian Sunset	Violin Solo
	Bird Song	Violin and Piano
	The Song Bird	Violin Solo
		Jean Bartlett
52 C 4016	Irish Jigs	Violin Solo
	Irish Jigs and Reels—Medley	Violin Solo
		H. Travis Band
52 C 4163	Arkansas Traveler	Violin Solo
	Turkey in the Straw	Violin Solo
52 C 4152	Home, Sweet Home and I Were Young, Maggie	Violin, Cello, Piano
	Silver Threads Among the Gold	Violin, Cello, Piano

Sacred Records

52 C 4018	Nearer My God to Thee	Cathedral Quartette
	The Lord is My Shepherd	Cathedral Quartette
52 C 4045	Jesus Loves Me	Violin and Piano
	Joy to the World	Violin and Piano
52 C 4151	Holy Night, Peaceful	Cathedral Quartette
	Dark the Herald Angels Sing	Cathedral Quartette

Hawaiian Records

52 C 4039	Pua Carnation—Carnation Flower	Hawaiian Guitars
	Blue March	Hawaiian Guitars
52 C 4023	O Sole Mio—Hawaiian Version	Hawaiian Guitars
	My Old Kentucky Home	Hawaiian Guitars
52 C 4018	In the Shade of the Old Apple Tree	Hawaiian Guitars
	Hawaiian Medley	Hawaiian Guitars
52 C 4019	Aloha Oe—Farewell to Thee	Hawaiian Guitars
	Hawaiian Rag	Hawaiian Guitars
52 C 4008	Malama Mai—Care for Me	Hawaiian Guitars
	Waltz	Hawaiian Guitars
	Kawaiha—Hawaiian Guitar Duet	Hawaiian Guitars
52 C 4007	Aloha Oe	Hawaiian Guitars
	Kaimhaohaoha March—Hawaiian Guitars	
52 C 4164	Three o'clock in the Morning—Hawaiian Guitar Duet	Hawaiian Guitars
	Hapalily Waltz—Hawaiian Guitar Duet	Hawaiian Guitars
52 C 4 35	La Paloma Hawaiian Guitars	
	Hawaiian Hula	Hawaiian Guitars

Humorous Records

52 C 4061	Hawaiian Restaurant	Arthur Hall
	Laundry—Married Life	Arthur Hall
52 C 4161	Hawaiian Second Hand Store	Steve Porky
	Hawaiian Restaurant	Steve Porky
52 C 4182	Hawaiian Second Hand Store	Arthur Hall
	Hawaiian Restaurant	Arthur Hall

New Cecilian Portable Phonograph

$17.95

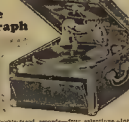
Two 10-inch double-faced records—four selections—included free. Your choice from our list of records at Pages 184 and 185. Sold for cash only. Shipping weight, 40 pounds. Can be shipped by parcel post.

452 C 14 ..... $17.95

Record Carrying Case

51 C 913 ..... $2.39
Postage 24c extra

Table Cecilian Phonograph



For Home or Camp

$34.50

$5.00 Down

$5.00 A Month

One of our newest popular sized Phonographs. Plays two 10-inch double-faced records—four selections—included free. The cabinet is of the finest quarter-sawed oak, beautifully finished, durable and strong enough to be used as a table. Has a wood tone amplifier. The motor is of the latest improved type, powerful and especially quiet running. Plays all records perfectly. Has the Cecilian tone control device. Plays 10-inch records. Has automatic stop. Plays all makes of records. Shipping weight, 100 pounds. Can be shipped by freight or express only.

452 C 15	$34.50
452 C 16	$42.50
452 C 17	$46.50

Record Albums

5 C 900	10c
5 C 901	68c
5 C 902	89c

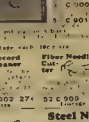
Fiber Needle Cutting Machine

32 C 902 ..... 27c
Postage 2 cents

Fiber Needle Record Cleaner

32 C 909 ..... 39c
Postage 2 cents

Steel Needles



32 C 903 ..... 10c
Postage 2 cents

Fiber Needles

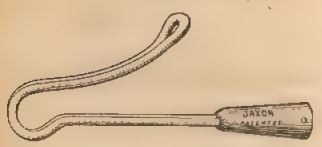
Celebrated B and M soft tone Fiber Needles. Play on any record. Can be used many times. Tone free from harshness.

32 C 906—Package of 100 ..... 34c
Postage, per package, 2c extra.

It Is Easy to Order from Ward's. See Page 329

SHEPHERDS' CROOKS

JAXON



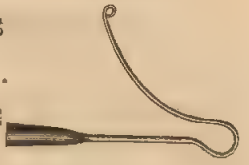
JAXON

Oil tempered steel rods, heavily tinned

	Length	Wt. each	Each
Jaxon	12 in.	10 ozs.	$1.00

Loose.

MONTANA



MONTANA

Oil tempered steel. Full polished.

	Length	Wt. each	Each
Montana	12 in.	12 ozs.	$1.15

Loose.

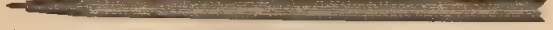
SHEPHERD CROOK HANDLES

XX quality; straight grained ash, chucked, sanded and waxed.

Length	Wt. each	Each
7 ft.	2 lbs.	$1.25
7½ ft.	2½ lbs.	1.45
8 ft.	2¾ lbs.	1.70

Twelve in a bundle.

CATTLE PRODS

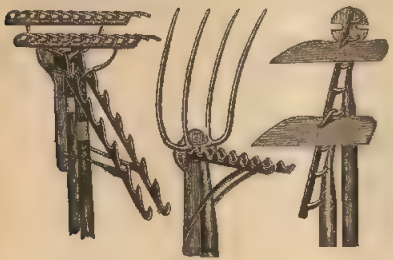


Ash, 6½ feet long, with ferrule and steel point.

	Wt. each	Each
Cattle Prods	3 lbs.	$1.40

Twelve in a bundle.

FARMING TOOL BRACKETS

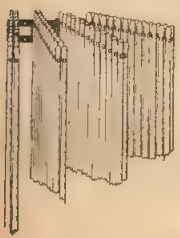


No. 2 No. 1 No. 3

Malleable iron, japanned.

No.	Holds	Wt. each	Each
2	Rake 8 rakes	2¾ lbs.	$2.00
1	Fork 8 forks or shovels	2½ lbs.	1.65
3	Hoe 8 hoes	1⅛ lbs.	1.35

Loose.



HANDLE RACKS

HAWKES

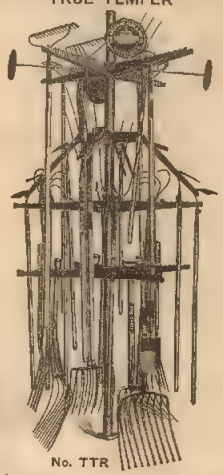
Keeps handles straight. Four rolled steel arms, with spring steel holders. Holds eight dozen fork, rake and hoe handles. Malleable iron wall plate, 5x14 inches. Length of arms, 20 inches.

	Wt. each	Each
Hawkes Handle Racks	10 lbs.	$7.50

One in a carton.

REVOLVING TOOL RACKS

TRUE TEMPER



No. TTR

The center column is a 2-inch steel tube, with pivot plate at the bottom, and with ceiling plate and telescoping joint to allow for different height ceilings.

The four iron spiders lock on the tube, turning with it, and these spiders have interchangeable arms, making the rack flexible for forks, rakes, hoes and shovels.

Occupies floor space 4½ feet in diameter. Holds twelve dozen tools

Can be easily set up or moved. Japanned finish.

No.	Shipping wt. each	Each
TTR	200 lbs.	$18.00

Packed knocked down. One in a crate.

Note—Always give height of ceiling when ordering.

John V. Farwell Company
CHICAGO

TUDOR PLATE · ONEIDA COMMUNITY MADE

DUCHESS DESIGN

20 YEAR REPLACEMENT GUARANTEE

Bright, Beautiful Lasting

SPOONS
SIX IN BOX

		Per Dozen
1901	Tea	$ 4.80
1902	Dessert	9.60
1903	Cable	9.60
1904	Oval bowl	9.60

FORKS—SIX IN BOX

		Per Dozen
1907	Dinner	$9.60
1908	Dessert	9.60

CHEST BUFFET (30 pieces silver)

		Per Set
30	Full Size Dinner Knives	$ 6.00
30	Full Size Dinner Forks	9.60
6	Full Size Tea Spoons	2.40
6	Full Size Dessert Spoons	4.80
6	Full Size Cable Knives	4.80
6	Full Size Cable Forks	4.80
6	Full Size Oval Bowl Spoons	4.80
1	Full Size Cold Meat Fork	.80
		$47.60

THE CHEST ITSELF IS FREE
YOU PAY FOR SILVERWARE ONLY

KNIVES PLATED BLADES
SIX IN BOX

		Per Doz.
1911	Extra Heavy Handle Dinner	$ 7.20
1912	Extra Heavy Handle Dessert	6.00
1913	Extra Heavy Handle Cable	6.00
1914	Heavy Handle Dinner	5.40
1915	Heavy Handle Dessert	3.60

KNIVES STAINLESS BLADES
SIX IN BOX

1916	Heavy Handle Dinner	$6.00
1917	Heavy Handle Dessert	4.80

TUDOR PLATE

Twenty Year Replacement Guarantee

New 26-Piece Tudor Plate Chest

A *useful* Container
A *perfect* Display

Contents

6 Teaspoons
6 Table Spoons
6 Dinner Knives
6 Dinner Forks
1 Butter Knife
1 Sugar Spoon

Queen Bess Design
Illustrated

AN outstanding innovation— a sure boon to sales of TUDOR PLATE sets. A real, serviceable chest, highly decorative and smart-looking, yet designed essentially with a view to its practical value in the home. Displayed in store or window the striking beauty of this new chest is bound to compel attention, while the sturdy construction will commend it as a thing of permanent utility.

Queen Bess	*Baronet*	*Duchess*	*NEW 26 PIECE* TUDOR PLATE *CHESTS* (*As Illustrated*)	DEALER'S PRICES SUBJECT TO REGULAR TRADE DISCOUNT	PRICES TO CONSUMER
			WITH PLATED BLADES	Each	Each
29414	29414	29414	Hollow Handle Dinner Knives and Tea Dinner Forks	$24.00	$38.40
29415	29415	29415	Hollow Handle Dessert Knives and Tea Dessert Forks	20	32
29416	29416	29416	Embossed Handle Dinner Knives and Tea Dinner Forks	22.00	35.20
29417	29417	29417	Embossed Handle Dessert Knives and Tea Dessert Forks	18	28.80
			WITH STAINLESS BLADES		
29418	29418	29418	Hollow Handle Dinner Knives and Tea Dinner Forks	32	50
29419	29419	29419	Hollow Handle Dessert Knives and Tea Dessert Forks	27	43.75
29420	29420	29420	Embossed Handle Dinner Knives and Tea Dinner Forks	29.50	47.20

NOTE—Baronet Pattern not carried in stock.

TUDOR PLATE

20 YEAR REPLACEMENT GUARANTEE

Queen Bess	Baronet	Duchess		Dealers Price Subject to Regular Trade Discount	Price
			SPOONS	Per Doz	
[illegible]	[illegible]	[illegible]	Tea	4.00	$1.[illegible] set
[illegible]	[illegible]	[illegible]	Dessert	7.48	[illegible]
[illegible]	[illegible]	[illegible]	Bouillon	6.00	1.20 set
[illegible]	[illegible]	[illegible]	Soup Round Bow	8.00	1.60 set
[illegible]	[illegible]	[illegible]	Coffee	5.00	1.00 set
[illegible]	[illegible]	[illegible]	Oval Cluck Tea Strainer	5.00	1.00
[illegible]	[illegible]	[illegible]	*Bouillon or Consomme	8.76	1.75 set
[illegible]	[illegible]	[illegible]	*Iced Tea or Iced Drink	8.12	1.60 set
[illegible]	[illegible]	[illegible]	Tea Caddy or Sugar	7.52	1.00
[illegible]	[illegible]	[illegible]	*Ice Cream or Sundae	7.52	1.00
[illegible]	[illegible]	[illegible]	*Orange or Grapefruit	11.28	2.25 each
[illegible]	[illegible]	[illegible]	Sugar Spoon	10.00	2.00 each
[illegible]	[illegible]	[illegible]	*Berry or Serving	9.84	1.65 each
[illegible]	[illegible]	[illegible]	*Baby (Bent Handle)	9.84	1.65 each
[illegible]	[illegible]	[illegible]	Baby (Straight)	11.28	2.25 each
[illegible]	[illegible]	[illegible]	Jam or Conserve		
			FORKS		
[illegible]	[illegible]	[illegible]	Dinner	8.00	1.60 set
[illegible]	[illegible]	[illegible]	Dessert	7.48	1.50 set
[illegible]	[illegible]	[illegible]	*Cold Meat or Serving	8.72	1.75 each
[illegible]	[illegible]	[illegible]	*Oval Cold Meat	5.12	1.00 each
[illegible]	[illegible]	[illegible]	*Cheese or Seafood	8.12	1.55 set
[illegible]	[illegible]	[illegible]	Pickle or Olive	5.12	1.00 each
[illegible]	[illegible]	[illegible]	*Pie or Cold Meat for Pastry	11.88	2.35 each
[illegible]	[illegible]	[illegible]	Bacon Serving	9.84	1.95 each
			KNIVES Plated Blades		
[illegible]	[illegible]	[illegible]	Hollow Handle Dinner	6 in box	22.80 set
[illegible]	[illegible]	[illegible]	Hollow Handle Dessert	12 in box	21.36 set
[illegible]	[illegible]	[illegible]	Embossed Handle Dinner	6 in box	9.00 set
[illegible]	[illegible]	[illegible]	Embossed Handle Dessert	6 in box	8.76 set
[illegible]	[illegible]	[illegible]	Embossed Hollow Handle	6 in box	9.00 set
[illegible]	[illegible]	[illegible]	Pie or Cake	12 in box	11.28 each
[illegible]	[illegible]	[illegible]	Butter Knife	6 in box	10.04 each
[illegible]	[illegible]	[illegible]	Individual Butter Spreaders		2.25
			KNIVES Stainless Blades		
[illegible]	[illegible]	[illegible]	Hollow Handle Dinner	6 in box	15.36 set
[illegible]	[illegible]	[illegible]	Hollow Handle Dessert	6 in box	14.28 set
[illegible]	[illegible]	[illegible]	Embossed Handle Dinner	12 in box	17.88 set
			***KNIFE AND FORK SETS** (6 Knives and 6 Forks)		
			With Plated Blade Knives	Per Set	
[illegible]	[illegible]	[illegible]	Hollow Handle Dinner Knives and Flat Dinner Forks	12 in box	7.[illegible] set
[illegible]	[illegible]	[illegible]	Hollow Handle Dessert Knives and Flat Dessert Forks	12 in box	6.[illegible] set
[illegible]	[illegible]	[illegible]	Embossed Handle Dinner Knives and Flat Dinner Forks	12 in box	8.50 set
[illegible]	[illegible]	[illegible]	Embossed Handle Dessert Knives and Flat Dessert Forks	12 in box	8.15 set
			With Stainless Blade Knives		
[illegible]	[illegible]	[illegible]	Hollow Handle Dinner Knives and Flat Dinner Forks	12 in box	16.[illegible] set
[illegible]	[illegible]	[illegible]	Hollow Handle Dessert Knives and Flat Dessert Forks	12 in box	15.[illegible] set
[illegible]	[illegible]	[illegible]	Embossed Handle Dinner Knives and Flat Dinner Forks	12 in box	9.[illegible] set
			LADLES	Per Doz	
[illegible]	[illegible]	[illegible]	*Sauce Dressing or Small	1 in box	18.[illegible]
[illegible]	[illegible]	[illegible]	*Punch Bowl or Gravy	1 in box	22.[illegible]
[illegible]	[illegible]	[illegible]	Medium Size Punch Server	1 in box	9.[illegible] each
			CARVERS	Per Set	
[illegible]	[illegible]	[illegible]	2-Piece Steak or Game Knife Stainless Blades	set in box	6.[illegible]
			MISCELLANEOUS	Per Doz	
[illegible]	[illegible]	[illegible]	Sugar Tong	1 in box	1.[illegible] each
[illegible]	[illegible]	[illegible]	Jelly Server	1 in box	15.12 1.[illegible] each
[illegible]	[illegible]	[illegible]	*Pie and Cake Server	1 in box	30.00 2.[illegible] each
			SETS	Per Set	
[illegible]	[illegible]	[illegible]	*Child's (Spoon, Fork and Flat Knife)	set in box	2.50 2.[illegible] set
[illegible]	[illegible]	[illegible]	Baby (Bent Spoon and Straight Fork)	set in box	1.64 1.[illegible] set
[illegible]	[illegible]	[illegible]	Baby (Straight Spoon and Straight Fork)	set in box	1.64 1.[illegible] set
[illegible]	[illegible]	[illegible]	Butter and Sugar	set in box	1.88 1.[illegible] set
			STANDARD 26 PIECE CHESTS	Each	Each
[illegible]	[illegible]	[illegible]	Oak Finish with Drawer, Empty	2.50	2.[illegible]
[illegible]	[illegible]	[illegible]	with Embossed Handle Dinner Knives and Flat Dinner Forks	16.88	11.25
[illegible]	[illegible]	[illegible]	with Embossed Handle Dessert Knives and Flat Dessert Forks	16.50	11.00
[illegible]	[illegible]	[illegible]	with Hollow Handle Dinner Knives and Flat Dinner Forks	25.76	20.00
[illegible]	[illegible]	[illegible]	with Hollow Handle Dessert Knives and Flat Dessert Forks	2.50	1.75
[illegible]	[illegible]	[illegible]	Mahogany Finish with Drawer, Empty	18.50	12.75
[illegible]	[illegible]	[illegible]	with Embossed Handle Dinner Knives and Flat Dinner Forks	24.65	14.50
[illegible]	[illegible]	[illegible]	with Embossed Handle Dessert Knives and Flat Dessert Forks	29.75	20.00
[illegible]	[illegible]	[illegible]	with Hollow Handle Dinner Knives and Flat Dinner Forks		
			CHILD'S SET CARTONS IN ASSORTED PATTERNS		
In Assorted Patterns			†Carton No. 45, containing three 1-Piece Child's Sets	7.40	6.00
In Assorted Patterns			†Carton No. 46, containing eight Baby's Spoons and four Baby's Sets	11.76	10.40

*Illustrated on opposite page. New Items and Price Changes Indicated thus (†)

The *Queen Bess* and *Duchess* Designs are furnished in Bright Butler finish, the *Baronet* in Bright or Grey.

NOTE—Baronet Pattern not carried in stock

TUDOR PLATE

CORRECT SERVICE PIECES IN GIFT BOXES

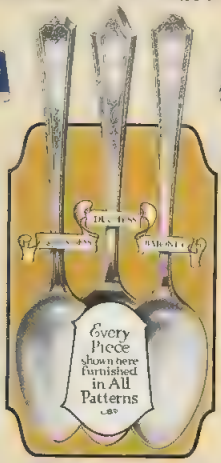


Table Spoon or Serving Spoon

Ice Tea & Cold Drink Spoon

Dessert or Grapefruit Spoon

Sugar Shell or Gravy Ladle

Cream Soup Spoon

Cream Soup Ladle

Salad Fork

Pickle or Olive Fork

Cold Meat or Serving Fork

Pierced Roast Server

Sugar Spoon

Butter Knife

Oyster or Seafood Forks

Salad or Salad Forks

Bouillon or Consommé Spoons

Baby Spoon (Bent Handle)

Knife and Fork Set

NOTE Baronet Pattern not carried in stock

TUDOR PLATE

These *three* Chests *Free* with the Silverware Sets

The 26 Piece Free Chest Buffet

Duchess Design Illustrated

Contents

6 Dinner Knives
6 Dinner Forks
6 Teaspoons
6 Table Spoons
1 Butter Knife
1 Sugar Spoon

Queen Bess	Baronet	Duchess	THE IDEAL FAMILY SETS	Number of pieces in the Service	Prices to the Consumer
			26 PIECE FREE CHEST BUFFETS		
			26 PIECE FREE CHESTS		
			12 PIECE FREE CHESTS		

The 43-Piece Free Chest

A Complete Service for Six

An unusually well-chosen combination, including all essential pieces for the smaller family. Furnished in a most attractive blue chest. A strikingly handsome display.

Contents

The 56-Piece Free Chest

A Service for Twelve

For the more sizable family, or for those who entertain, this combination of all really necessary pieces is proving immensely popular. Full dozens of the every-day, every meal items which come first in every household. Encased in a pleasing, blue-lined chest.

Contents

12 Teaspoons
6 Table Spoons
12 Salad Forks
1 Butter Knife
1 Sugar Spoon

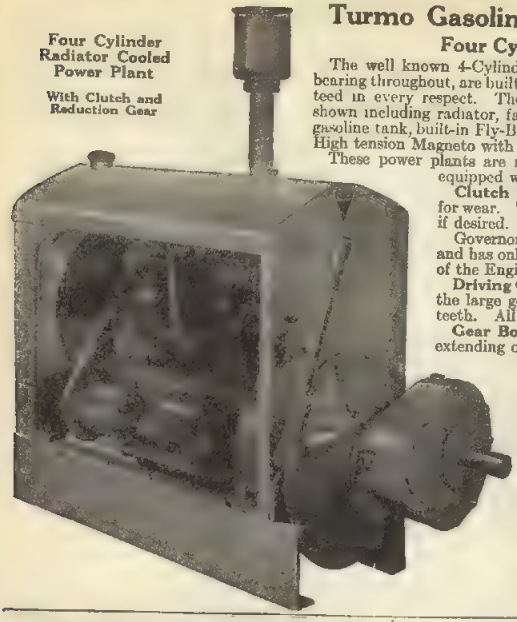
NOTE Baronet Pattern not carried in stock.

First Showing of the New Queen Bess Design.

Turmo Gasoline Engine Power Plants

Four Cylinder Radiator Cooled Power Plant

With Clutch and Reduction Gear



Four Cylinder Power Plant

The well known 4-Cylinder Engines used in these plants are ball bearing throughout, are built to stand continuous usage and are guaranteed in every respect. They are furnished completely equipped as shown including radiator, fan and belt. Hood with removable sides, gasoline tank, built-in Fly-Ball governor, Zenith Carburetor and Bosch High tension Magneto with Impulse Starter.

These power plants are mounted on Channon non-skids and are equipped with a hood entirely enclosing the Engine.

Clutch is the Dry Disc Type and easily adjusted for wear. The plants can be furnished without clutch if desired.

Governor is of the Fly-Ball type, self lubricated and has only one adjustment for regulating the speed of the Engine.

Driving Gear is steel Carbonized and hardened and the large gear is cast semi steel with accurately cut teeth. All run oil.

Gear Box can be furnished with a take-off shaft extending on either the right or left hand side or on both if necessary. This shaft can be run in either direction.

Direct drive take-off shaft runs at engine speeds 1200 to 1400 r. p. m. Geared boxes running same direction as engine or opposite can be furnished in geared ratios 2½, 3, 4 or 5 to 1. Right angle reductions in ratios 3, 4, or 5 to 1.

Two Cylinder Power Plant

The Engine in these two Cylinder plants is same in the four cylinder plants as described above.

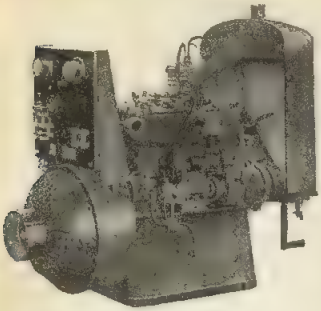
They can be furnished Radiator or hopper cooled with take-off shafts running 600 or 1200 r. p. m.

	Price	Ship'g W'ght
Model "N" 15 H. P., 4 Cyl. Power Plant, Direct Drive without Clutch	$ 514.15	675
Model "N" 15 H. P., 4 Cyl. Power Plant, Direct Drive with Clutch	554.60	700
Model "N" 15 H. P., 4 Cyl. Power Plant, Reduction Gear without Clutch	574.50	725
Model "N" 15 H. P., 4 Cyl. Power Plant with Reduction Gear and Clutch	615.00	750

Direct Drive Without Clutch

	Price	Ship'g W'ght
Model "S" 25 H. P., 4 Cyl. Power Plant, Direct Drive without Clutch	$ 756.75	875
Model "S" 25 H. P., 4 Cyl. Power Plant Direct Drive with Clutch	782.25	900
Model "S" 25 H. P., 4 Cyl. Power Plant, Reduction Gear without Clutch	861.40	925
Model "S" 25 H. P., 4 Cyl. Power Plant, with Reduction Gear and Clutch	887.25	950
Model "H" 35 H. P., 4 Cyl. Power Plant, Direct Drive without Clutch	867.75	975
Model "H" 35 H. P., 4 Cyl. Power Plant, Direct Drive with Clutch	903.40	1000
Model "H" 35 H. P., 4 Cyl. Power Plant, Reduction Gear without Clutch	972.75	1025
Model "H" 35 H. P., 4 Cyl. Power Plant, with Reduction Gear and Clutch	1008.00	1050
Model "T" 8 H. P., 2 Cyl. Power Plant, Hopper Cooled without Hood	276.90	450
Model "T" 8 H. P., 2 Cyl. Power Plant, Hopper Cooled with Hood	288.40	475
Model "T" 8 H. P., 2 Cyl. Power Plant, Radiator Cooled with Hood	342.75	475
Clutch for either of the above Power Plants when required	45.00	

Two Cylinder Radiator Cooled Power Plant



Universal Electric Plants

Complete Self Contained Units, Designed to Operate Equally as Well, With or Without Storage Battery

Furnished in the following Sizes

1½ K.W., 2½ K.W., 4 K.W., 7½ K.W., 12½ K.W

All Universal Electric Plants are equipped with 4-Cylinder Engines as experience has taught us that the 4-Cylinder Principle is best suited to Perfect Balancing. It is also The Ideal All-Round Economical Type of Power Plant, because it has not the destructive vibration of an Engine with one Cylinder or less than four, nor has it the complicated construction of an Engine with more than four Cylinders. It is practically impossible to perfectly balance a Motor with less than four Cylinders, and "Balance" in a motor is what insures long life, because it is vibration that wears out a motor. The effect of 4-Cylinder operation is important too on the Electricity side of the plant. With the 4-Cylinder Universal plant you are absolutely independent in case something should happen to the Batteries. The smooth power of the Universal 4-Cylinder Engine generates a current of electricity so steady as to provide perfectly Flickerless light direct from the Generator.

The Generator has been especially designed to operate in connection with the above type of engine. Windings of ample capacity throughout and provisions for adequate ventilation are responsible for the comparatively low operating temperature and the high efficiency of the generator. The Armature cores are built up of thin electrical steel of the highest magnetic quality. Commutator Bars are made of rolled copper and insulated from each other by the best grade of Amber Mica. The Box Type Brush Holders are simple in design and trouble proof with spring tension just right for the brush.

1½ K. W. Electric Plant

Furnished in Either 32 Volt or 110 Volt

Standard Equipment consists of Bosch Magneto Ignition Carburetor, Governor, Muffler, Radiator and Fan, Fuel Tank and Switchboard mounted, weight—without Battery, 420 lbs.

2½ K. W. & 4 K. W. Plants

Furnished in Either 32 or 110 Volt

These Sizes are ideal for places requiring dependable and economical electric service where the loads come within the capacity of the Machines, such as Large Farms, Country Estates, Country Clubs, Summer Resorts, Small Towns, Circuses, Carnivals, Picture Shows, for use on Dredges and in construction work, Public Institutions, etc. and for operating electric tools. Standard Equipment consists of Bosch Magneto Ignition, Zenith Carburetor, Built-in Flyball Type Self Oiling Governor, Muffler, Radiator and Fan, Fuel Tank in Base, Stewart Vacuum Tank, Power Pulley and Switchboard mounted, making a compact and completely Self-Contained Unit. Weight—2½ K. W. without Battery 700 Lbs., 4 K. W. 800 lbs.

7½ K. W. Electric Plant

110 Volt

Furnished Fully Equipped for Operation, including Ignition System complete, (consisting of Bosch High Tension Magneto with Impulse Coupling) Carburetor, Muffler, Stewart Vacuum Tank, Fuel Tank, Radiator, Fan and Standard Switchboard. Weight—without Battery, 1200 lbs.

12½ K. W. Electric Plant

110 Volt

Furnished Fully Equipped, same as above. This size can also be equipped with a 6-Volt, two-unit Automobile Type Starter and Generator and Storage Battery. When so equipped, the Ignition System will be of the Battery Distributor Type in place of High Tension Magneto. Weight—without Battery, Approx. 2000 lbs.

Note.—Full Description with complete Specifications and Prices covering any of the above outfits will be furnished on request. Write us relative to your requirements and we will gladly recommend a suitable outfit for your needs.

GENUINE ULSTER POCKET KNIVES

4 Full Polished Blades, 3½ Inches. Brass Lined. Scissors Knife.

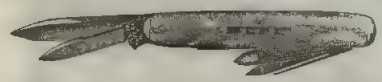
	Per Dozen
No. 4047	$50.00

4 Full Polished Blades, 2¾ Inches. Brass Lined. Scissors Knife.

	Per Dozen
No. 4048—Pearl Handle	$48.00
No. 4045—Genuine Stag Handle	40.00

4 Full Polished Blades, 3¼ Inches. German Silver Lined. German Silver Bolster

	Per Dozen
No. 4075—Pearl Handle	$32.50
No. 4088—Genuine Stag Handle	17.50
No. 4087—Stag Handle	16.00



4 Full Polished Blades, 3 Inches. German Silver Lined. German Silver Bolsters

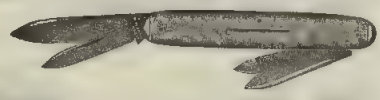
	Per Dozen
No. 4071—Pearl Handle	$30.00
No. 4084—Genuine Stag Handle	18.00

3 Full Polished Blades, 2¼ Inches. Pearl Handle. Brass Lined. German Silver Bolsters.

	Per Dozen
No. 0283	$15.00
No. 3162—With Ring	10.00

12 Full Polished Blades, 3 Inches. Pearl Handle. German Silver Lined. German Silver Bolsters

	Per Dozen
No. 022045—Gilt Emblem Masonic Blue Lodge	$28.00
No. 022043—Gilt Emblem Shrine	28.00



4 Full Polished Blades, 2¼ Inches. Brass Lined. German Silver Bolsters.

	Per Dozen
No. 4102—Pearl Handle	$22.00
No. 4101—Stag Handle	13.50

3 Full Polished Blades, 3 Inches. German Silver Lined. German Silver Bolsters.

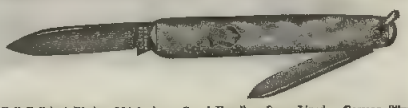
	Per Dozen
No. 3129—Stag Handle	$22.00
No. 3095—Pearl Handle	36.00

3 Full Polished Blades, 2½ Inches. Brass Lined. German Silver Bolsters.

	Per Dozen
No. 02245—Pearl Handle	$22.00
No. 02211—Stag Handle, With Ring	12.00
No. 02130—Stag Handle, Without Ring	11.50

3 Full Polished Blades, 3½ Inches. German Silver Lined. German Silver Bolster

	Per Dozen
No. 3072—Stag Handle	$20.00
No. 3074—Pearl Handle	32.00
No. 3073—Pearl Handle, Without Bolsters	32.00
No. 3102—Pearl Handle, Without Bolsters, with Ring	34.00



2 Full Polished Blades, 2¼ Inches Pearl Handle. Brass Lined. German Silver Bolsters

	Per Dozen
No. 02180—With Rings	$16.00
No. 0268—Without Ring	15.00

2 Polished Blades, 3 Inches. Brass Lined. German Silver Bolsters, with Ring

	Per Dozen
No. 02216—Knurled Celluloid Handle	$ 9.00
No. 02187—Pearl Handle	17.00

2 Full Polished Blades, 3 Inches. Brass Lined. German Silver Bolsters.

	Per Dozen
No. 02156—Pearl Handle	$16.00
No. 02123—Stag Handle	8.00
No. 02222—Blue Celluloid Handle	8.00

2 Full Polished Blades, 2¼ Inches. Pearl Handle. Brass Lined. German Silver Bolsters

	Per Dozen
No. 0231	$15.50

American Made Pocket Knives

ASSORTMENT OF 12 JACK KNIVES

The Assortment consists of 12 Patterns, 7 are Stag Handles, and 5 are Assorted Color Celluloid. Assorted Sizes, 3 to 3⅝ inches.

All Brass Lined, German Silver Bolster and Caps with Shield.

Assortment Contains

1 No. 251B — Stag Handle
1 No. X1550 — Stag Handle
1 No. X1525 — Stag Handle
1 No. X1525 — Celluloid Handle
1 No. X1400 — Celluloid Handle
1 No. 331B — Stag Handle
1 No. X675 — Celluloid Handle
1 No. X400 F.A.C. — Celluloid Handle
1 No. X400 A.C. — Celluloid
1 No. 241B — Stag Handle
1 No. 321B — Stag Handle
1 No. 2618B — Stag Handle

Per Assortment

No. 600 1 Dozen in a Partitioned Tray **$6.00**

JUST NATURAL FOLKS

Uncle Josh, Aunt Samanthy and Pork Chops

THAT QUAINT OLD FARMER COUPLE

We Visit and Mix With the People in the Grand Stand, on the Track and Grounds; Also Down Town If Wanted

RUBING AND FOOLING AROUND 6 HOURS DAILY

Get Acquainted with "Pork Chops," Our Educated Pig
He's Smart and Does a Lot of Cute Tricks

EVERY ACT IN THIS CATALOG CONTROLLED EXCLUSIVELY BY **WORLD AMUSEMENT SERVICE ASSOCIATION, Inc.**
"SERVICE and SATISFACTION"

GREAT ENGLISH COMBINATION

The Five Petleys

Surprise Casting Novelty and Bounding Trampoline

Astounding Aerial Flights

With the World's Thinnest and Fastest Acrobatic Comedian

Pep, Skill and Class

As they Appeared Before their Majesties, the King and Queen of England

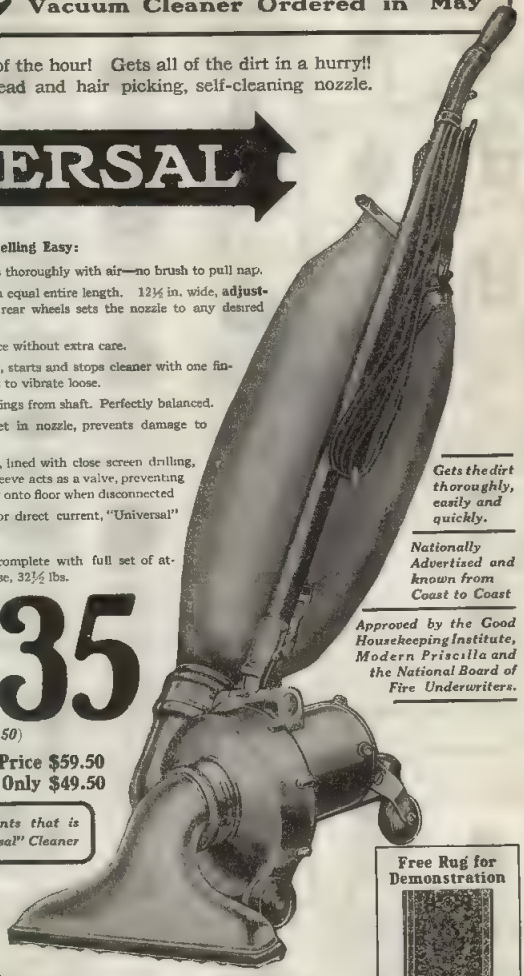
EVERY ACT ... ATALOG ... LEY ... N, Inc. ... BY WU

FREE

A Full Set of $6.50 Attachments Will Be Given Free With Every "Universal" Vacuum Cleaner Ordered in May

The cleaner of the hour! Gets all of the dirt in a hurry!! Patented thread and hair picking, self-cleaning nozzle.

UNIVERSAL



The Following Feature Points Make Selling Easy:

1. **Extra Powerful Suction**—Cleans thoroughly with air—no brush to pull nap.
2. **Patented Nozzle**—Makes suction equal entire length. 12½ in. wide, **adjustable,** turning thumb screw over rear wheels sets the nozzle to any desired level for rugs.
3. **"Universal" Motor**—Long service without extra care.
4. **Trigger Control**—Handle trigger, starts and stops cleaner with one finger. No exposed wires—no parts to vibrate loose.
5. **Self-Cleaning Fan**—Keeps ravelings from shaft. Perfectly balanced.
6. **Rubber Buffer**—Permanently set in nozzle, prevents damage to furniture.
7. **Bag**—Mercerized sunfast sateen, lined with close screen drilling, dust and dirt proof, inner cloth sleeve acts as a valve, preventing dirt dropping back into cleaner or onto floor when disconnected
8. **Current**—110 volts alternating or direct current, "Universal" motor, weight of cleaner 12 lbs

1H6657—(Mfrs 7201) Cleaner complete with full set of attachments in wood case, 32½ lbs.

Gets the dirt thoroughly, easily and quickly.

Nationally Advertised and known from Coast to Coast

Approved by the Good Housekeeping Institute, Modern Priscilla and the National Board of Fire Underwriters.

At the Price Regularly Charged for the Cleaner Without Attachments

$35

SPECIAL

(Regular Price $41.50)

Regular Suggested Retail Price $59.50
Suggested Price for May Only $49.50

This is the set of attachments that is given away with each "Universal" Cleaner

(Mfrs. 201) Set consists of the following:

1 8 ft. Web Covered Hose, 1¼ in. diameter
(2) 30 in. Extension Tube
(3) 7 in. Drapery Nozzle.
(4) Hollow Clothing Brush.
(5) Radiator Tool.
(6) Connector Tool.

1 set in carton, 5¼ lbs.

WAS $6.50

Fancy colored cretonne apron with pockets for holding attachments included with each set.

$2.00 Allowance

A $2.00 demonstration allowance will be given to every merchant who agrees to conduct a continuous store demonstration for 4 months and actively solicits housewives for a home demonstration. If you want to take advantage of this allowance ask for "$2.00 Demonstration Agreement" on your order.

Free Rug for Demonstration

If you send us an order for 6 Universal Vacuum Cleaners we will send you FREE a 27x54 in. Livonia Axminster Rug for demonstration purposes.

COFFEE URN SETS

UNIVERSAL

FARMINGTON PATTERN

No. E-915904-N

A rare combination of beauty, dignity and serviceableness Tray, sugar bowl and cream pitcher, the two latter gold lined, are of same attractive design as urn. Silver plated, heat-proof urn handles. Heat-proof glass percolator top. Faucet fitted with polished ebonized wood handle. Legs have ebonized wood feet. Urn interior coated with pure tin, silver finished. Aluminum spreader plate, coffee basket, tube and valve. Furnished with 6 feet green mercerized silk covered heater cord, feed through switch and separable attachment plug. Height over all, 14⅛ inches. 420 watts, 110 volts.

Silver Overlaid on Nickel Silver, Butler Finish

No.	Capacity	Shipping wt., ea.	Per set
E-825904-SS	9 cups, 4½ pts.	28 lbs.	$71.50

Silver Overlaid on Nickel Silver, Bright Finish

No.	Capacity	Shipping wt., ea.	Per set
E-815904-SS	9 cups, 4½ pts.	28 lbs.	$71.50

Nickel Plated on Nickel Silver, Bright Finish
Beautiful Bakelite Handles

No.	Capacity	Shipping wt., ea.	Per set
E-915904-N	9 cups, 4½ pts.	22 lbs.	$53.25

GRECIAN PATTERN

No. E-918904-N

The graceful lines of this urn relieved by decorative chased bands make this set an artistic masterpiece. Tray, sugar bowl and cream pitcher, the two latter gold lined, match urn in design. Silver plated, heat-proof, swinging urn handles. Heat-proof cut-glass percolator top. Faucet fitted with ivoroy handles. Legs have ivoroy feet. Urn interior coated with pure tin, silver finished. Aluminum spreader plate, coffee basket, tube and valve. Furnished with 6 feet green mercerized silk covered heater cord and separable attachment plug. Height over all, 13¾ inches. 420 watts, 110 volts.

Silver Overlaid on Nickel Silver, Butler Finish

No.	Capacity	Shipping wt., ea.	Per set
E-828904-SS	9 cups, 4½ pts.	25 lbs.	$69.50

Nickel Plated on Copper, Bright Finish

No.	Capacity	Shipping wt., ea.	Per set
E-918904-N	9 cups, 4½ pts.	35 lbs.	$45.75

DUTCH COLONIAL PATTERN

No. E-810904-SS

An attractive pattern which has won instant favor with many consumers. Tray, sugar bowl and cream pitcher, the two latter gold lined, match urn in design. Black ebonized wood urn handles. Heat-proof glass percolator top. Faucet fitted with ivoroy handle. Legs have black ebonized wood feet. Urn interior coated with pure tin, silver finished. Aluminum spreader plate, coffee basket, tube and valve. Furnished with 6 feet green mercerized silk covered heater cord and separable attachment plug. Height over all, 6-cup, 14¼ inches; 9-cup, 15 inches. 420 watts, 110 volts.

Silver Overlaid on Nickel Silver, Bright Finish

No.	Capacity	Shipping wt., ea.	Per set
E-810904-SS	9 cups, 4½ pts.	22 lbs.	$56.00

DUTCH COLONIAL PATTERN

No. E-910604-N

An attractive and popular priced pattern which has won instant favor with many consumers. Tray, sugar bowl and cream pitcher, the two latter gold lined, match urn in design. Black ebonized wood urn handles. Heat-proof glass percolator top. Faucet fitted with ivoroy handle. Legs have black ebonized wood feet. Urn interior coated with pure tin, silver finished. Aluminum spreader plate, coffee basket, tube and valve. Furnished with 6 feet green mercerized silk covered heater cord and separable attachment plug. Height over all, 6-cup, 14¼ inches; 9-cup, 15 inches. 420 watts, 110 volts.

Nickel Plated on Copper, Bright Finish

No.	Capacity	Shipping wt., ea.	Per set
E-910604-N	6 cups, 3 pts.	20 lbs.	$29.50
E-910904-N	9 cups, 4½ pts.	22 lbs.	31.00

All the above, one set in a wooden case.

COFFEE URN SETS

UNIVERSAL

"OLD ENGLISH" PATTERN

No. E-924604-N

A new "Universal" pattern made in six and nine-cup sizes, nickel plated only, which will prove to be a popular number. Old English chasing on body with tray, sugar bowl and cream pitcher to match, the two latter gold lined. Nickel plated heat-proof handles with ebonized wood grips. Heat-proof cut-glass percolator top. Ebonized wood faucet handle. Urn interior with coated pure tin, silver finished. Aluminum interior fittings. Furnished with 6 feet silk covered heater cord and separable attachment plug. Height over all, 6-cup, 13½ inches; 9-cup, 15 inches. 420 watts, 110 volts.

Nickel Plated on Copper, Bright Finish

No.	Capacity	Shipping wt., ea.	Per set
E-924604-N	6 cups, 3 pts.	22 lbs.	$40.50
E-924904-N	9 cups, 4½ pts.	23 lbs.	42.50

DUTCH COLONIAL PATTERN

No. E-817604-SS

A new "Universal" silver overlaid pattern made in six and nine-cup sizes, bright finish only. As with all other patterns the tray, sugar bowl and cream pitcher, the two latter gold-lined, match. Ebony handles. Heat-proof glass percolator top. Urn interior coated with pure tin, silver finished. Aluminum interior fittings. Furnished with 6 feet silk covered heater cord and separable attachment plug. 420 watts, 110 volts.

Silver Overlaid on Nickel Silver, Bright Finish

No.	Capacity	Shipping wt., ea.	Per set
E-817604-SS	6 cups, 3 pts.	22 lbs.	$47.50
E-817904-SS	9 cups, 4½ pts.	23 lbs.	50.50

BREAKFAST SETS

UNIVERSAL

"OLD ENGLISH" PATTERN

WITH URN

No. E-924605-N

Consists of No. E-924604-N Urn Set and No. E-9812 Turn Easy Toaster, shown on other pages in this catalog. For those who want beautiful as well as useful articles, this set is ideal and will prove a popular seller. Toaster takes 5½x5¼-inch slice of bread. Urn is 6-cup capacity. Wattage of toaster, 625 watts. Wattage of urn, 420 watts. 110 volts.

Old English Chasing, Nickel Plated on Copper, Bright Finish

No.	Shipping wt., ea.	Per set
E-924605-N	25 lbs	$49.50

"OLD ENGLISH" PATTERN

WITH PERCOLATOR

No. E-954605-N

Consists of No. E-9546 Percolator, No. E-9812 Turn Easy Toaster, and tray, sugar bowl and cream pitcher used with set shown above. Toaster takes slice of bread 5½x5¼ inches. Capacity of percolator, 6 cups. Wattage of toaster, 625 watts; wattage of percolator, 420 watts. 110 volts.

Old English Chasing, Nickel Plated on Copper, Bright Finish

No.	Shipping wt., ea.	Per set
E-954605-N	23 lbs.	$48.00

All above, one set in a wooden case.

COFFEE URN SETS

UNIVERSAL

WESTMINSTER PATTERN

No. E-8256904-SS

A new and beautiful design, surpassing any ever produced by "Universal." The Westminster pattern is a rare combination of the Adam and Loving Cup designs, enhanced by Old English Chasing on base, body and top. Tray, sugar bowl and cream pitcher, the two latter gold lined, are of the same beautiful design as urn. Heavy silver plated, heat-proof cast urn handles with octagonal ivoroy grips. Heat-proof engraved cut-glass percolator top. Faucet fitted with attractively shaped ivoroy handle. Legs have ivoroy feet. Urn interior coated with pure tin, silver finished. Aluminum spreader plate, coffee basket, tube and valve. Furnished with 6 feet white silk covered heater cord, ivoroy colored separable attachment plug and ivoroy colored appliance plug, all designed to match color scheme of urn set. Height over all, 16½ inches. 400 watts, 110 volts.

Old English Chasing, Silver Overlaid on Nickel Silver, Butler Finish

No.	Capacity	Shipping wt., ea.	Per set
E-8256904-SS	9 cups, 4½ pts.	24 lbs.	$80.00

"OLD ENGLISH" DE LUXE PATTERN

No. E-926904-N

Urns in the Loving Cup design have always been popular, and this new pattern is a handsome adaptation of this design, with Old English Chasing on base and body and tray, sugar bowl and cream pitcher, the two latter, gold lined, to match this beautiful and useful set. Nickel plated heat-proof handles, with ivoroy grips. Heat-proof cut-glass percolator top. Faucet fitted with attractive ivoroy handle. Legs have ivoroy feet. Urn interior coated with pure tin, silver finished, aluminum spreader plate, coffee basket, tube and valve. Furnished with 6 feet silk covered heater cord and separable attachment plug. Height over all, 16½ inches. 400 watts, 110 volts.

Nickel Plated on Copper, Bright Finish

No	Capacity	Shipping wt., ea.	Per set
E-926904-N	9 cups, 4½ pts.	22 lbs.	$50.00

LOVING CUP PATTERN

No. E-916604-N

A very popular and beautiful design Tray, sugar bowl and cream pitcher, the two latter gold lined, match urn in design. Black ebonized wood handles. Heat-proof glass percolator top. Faucet fitted with black ebonized wood handle. Legs have black ebonized wood feet. Urn interior coated with pure tin, silver finished. Aluminum spreader plate, coffee basket, tube and valve. Furnished with 6 feet green mercerized silk covered heater cord and separable attachment plug. Height over all, 6-cup, 15½ inches; 9-cup, 17½ inches. 400 watts, 110 volts.

Silver Overlaid on Nickel Silver, Butler Finish

No.	Capacity	Shipping wt., ea.	Per set
E-8266044-SS	6 cups, 3 pts.	22 lbs.	$61.00
E-8269044-SS	9 cups, 4½ pts.	24 lbs.	64.00

Silver Overlaid on Nickel Silver, Bright Finish

No.	Capacity	Shipping wt., ea.	Per set
E-836604-SS	6 cups, 3 pts.	22 lbs.	$61.00
E-836904-SS	9 cups, 4½ pts.	24 lbs.	64.00

Nickel Plated on Copper, Bright Finish

No.	Capacity	Shipping wt., ea.	Per set
E-916604-N	6 cups, 3 pts.	22 lbs	$42.25
E-916904-N	9 cups, 4½ pts.	24 lbs.	44.75

All the above, one set in a wooden case.

Universal Ball Bearing Turntable

One man can operate these tables when loaded to full capacity.

The table is revolved on a serpentine circular track filled with 2, 2½ or 3-inch balls—according to the diameter. As the weight of the table is sustained only by those balls at the highest point, friction is greatly reduced. Of course the balls roll around the race course in the ordinary manner, only as they roll up and down but a few carry the weight at one time.

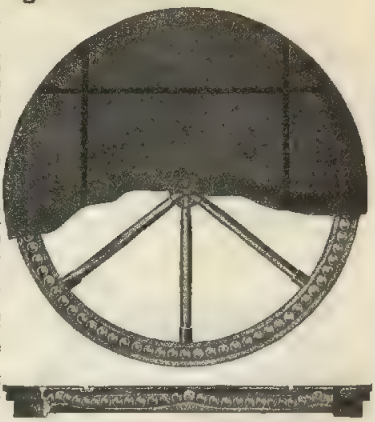
"Universal" tables are neat, strong and substantially made, weights distributed so as to reinforce parts subjected to the greatest strain.

All tables, regardless of size and style, are 6-inch in depth, allowing of their being placed in any flooring. Their construction is such—the top casting overlapping the bottom—that there are no places for dirt to accumulate. This makes the "Universal," in addition to its many other virtues, a dirt proof table.

The locking device furnished with "Universals" Nos. 2 and 3 is positive, automatic and at all times out of the way.

When ordering state style, number of tables required, gauge of track and wheel base of cars—or diameter of tables—if flange of wheels runs on the outside, please advise, otherwise will assume that it rests on the inside.

No. 1 table has plain checkered top without locking device. No. 2 has grooved top with locking device. No. 3 has grooved top locking device and guard rails.



Size Diameter, Feet	Gauge, Inches	Weight, Pounds			Price		
		No. 1	No. 2	No. 3	No. 1	No 2	No 3
3½	18 to 24	770	790	1010	$ 70.00	$ 75.00	$ 95.00
4	18 to 30	1000	1040	1250	75.00	85.00	115.00
5	18 to 36	1270	1300	1525	105.00	115.00	130.00
6	18 to 48	1800	1840	2100	140.00	150.00	170.00
8	48 and upward	3480	3520	3750	180.00	290.00	310.00

"Planet" Roller Bearing Turntable

Cut Shows Top Removed

This is a very efficient and easy operating turntable. There is no pumping, no getting out of line, no trouble to keep in order and no journal friction.

Made in three types as listed, plain top, grooved and raised rail.

There is no center bearing. The entire load is on the chilled rollers, turning on roller path near the outside of the table. These rollers are conical and cannot slide or grind against each other, being held rigidly apart by spacing frame. There is only rolling friction resulting in an easily turning table. No oil is required.

Frogs for 42, 48 and 60-inch, per pair..... $4.00

Frogs for 72 and 96-inch, per pair..... $6.00

Size Diam., Inches	Gauge, Inches	Weight, Pounds			Price		
		Plain	Grooved	Raised	Plain	Grooved	Raised
42		650	750	675	$ 80.00	$100.00	$105.00
48	18, 24, 30,	800	1000	900	87.50	110.00	120.00
60	36 or 42,	1300	1550	1500	115.00	135.00	150.00
72	as desired	2200	2500	2400	150.00	175.00	200.00
96		4600	5700	5300	200.00	225.00	250.00

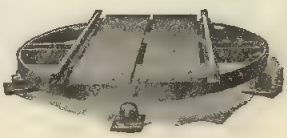
"Open-Top" Turntable

No. 960 open top turntable revolves on a center pivot and outside rollers. Is easy to operate and is durably built.

Price List

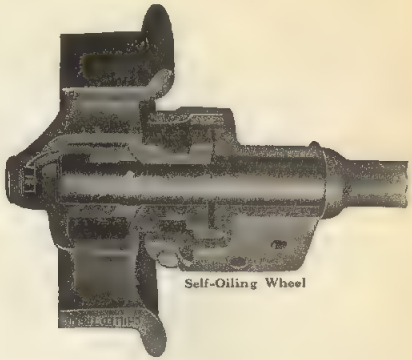
List No.	Diameter, Inches	Track Gauge, Inches	Weight, Pounds	List Price
960	42	18 to 24	230	$55.00
960	48	18 to 30	245	60.00
960	60	18 to 36	327	70.00
960	72	18 to 48	340	85.00
960	84	18 to 48	496	90.00

Equipped with 12-pound rail unless otherwise specified.



Mining Car Trucks

Roller Bearing Wheel


Self-Oiling Wheel

Each Truck Consists of 4 Wheels, 2 Axles and 4 Boxes for 24-inch, 30-inch, 36-inch, 42-inch and 48-inch Gauge Trucks.

Specifications

Diam. of Wheel in Ins	Size of Round Axle in Ins.	Width of Tread of Standard Wheels, Ins	Approx. Weight Each Compl Truck, Lbs.	Extra Wt. per Truck Each Ex. Inch of TrackGa., Lbs.	Diam of Wheel in Ins.	Size of Round Axle in Ins.	Width of Tread of Standard Wheels, Ins	Approx. Weight Each Compl. Truck, Lbs.	Extra Wt. per Truck Each Ex Inch of TrackGa., Lbs.	Diam. of Wheel in Ins.	Size of Round Axle in Ins.	Width of Tread of Standard Wheels, Ins	Approx Weight Each Compl. Truck, Lbs	Extra Wt per Truck Each Ex Inch of TrackGa., Lbs.
8	1½	3	290	100	14	2¼	3¼	695	225	16	2¾	3½	940	338
10	1½	3	325	100	14	2½	3½	760	278	18	2	3¼	715	178
10	2	3¼	480	178	14	2¾	3½	900	338	18	2½	3½	940	278
12	1½	3	400	100	15	2	3¼	630	178	18	2¾	3½	1050	338
12	2	3¼	560	178	15	2¼	3¼	715	225	18	3	3½	1090	400
12	2½	3½	725	278	15	2½	3½	800	278	20	2½	3½	1050	278
14	1½	3	420	100	16	2	3¼	655	178	20	3	3½	1260	400
14	2	3¼	593	178	16	2½	3½	860	278					

In Ordering State

(1) Style of truck. (2) Size of axle. (3) Diameter of wheel. (4) Wheel base. (5) Track Gauge. (6) State whether wheels are desired with solid center plug bolt or with patent malleable spring cage oiling device, or with old side plug.

Flanged Car Wheels

Gray Iron or Chilled Face

When ordering wheels and axles, give exact distance between tracks. If ordering for old axles, give distance between hubs.

	Chilled Face Wheels						Gray Iron Wheels					
Diam., Inches	Width, Inches	Tread, Inches	Length of Hub, Inches	Bore, Inches	Weight, Lbs	List Price Each	Diam., Inches	Width, Inches	Tread, Inches	Length of Hub, Inches	Bore, Inches	Weight, Lbs	List Price Each
10	3⅛	2¼	4⅛	1 7/16	■	$3.75	8	2¾	1⅞	2¼	⅝	16	$2.00
10	.....	2⅝	4⅛	1 7/16	44	5.50	8	3½	2½	3½	1⅛	20	2.50
12	3⅛	2¼	4⅛	1 7/16	38	4.75	9¾	3	2½	3½	1⅛	19¾	2.50
12	.....	2⅝	4⅛	1 7/16	56	7.00	10¼	2½	1⅞	3	1⅛	18⅛	2.25
14	3⅛	2¼	4⅛	1 7/16	53	6.25	12	.....	2⅝	5	1⅞	36	4.50
14	3⅛	2¼	4	1⅝	51	6.00	12	2¼	1⅞	3½	1⅛	24	3.00
16	.....	3½	5	3⅛	108	10.80	14	2½	1⅞	3½	1⅛	43	5.35
16	.....	3½	4⅜	2⅝	126	12.50	14	3	2¼	3¾	1⅛	46	5.75
18	.....	3½	.....	2¼	130	13.00	14	4	3	5	2	60	7.50
20	.....	3½	.....	2½	150	15.00	16	3	.....	.....	1¼	41	5.00

Every *"UNIVERSAL"* Sale Makes The Next One Easier by Creating a *Booster*

The cleaner of the hour! Gets all of the dirt in a hurry!! Patented thread and hair picking, self-cleaning nozzle.

UNIVERSAL

The Following Feature Points Make Selling Easy:

1. **Extra Powerful Suction**—Cleans thoroughly with air—no brush to pull nap.
2. **Patented Nozzle**—Makes suction equal entire length, 12½ in. wide, **adjustable**, turning thumb screw over rear wheels sets the nozzle to any desired level for rugs.
3. **"Universal" Motor**—Long service without extra care.
4. **Trigger Control**—Handle trigger, starts and stops cleaner with one finger. No exposed wires—no parts to vibrate loose.
5. **Self-Cleaning Fan**—Keeps ravelings from shaft. Perfectly balanced.
6. **Rubber Buffer**—Permanently set in nozzle, prevents damage to furniture.
7. **Bag**—Mercerized sunfast sateen, lined with close screen drilling, dust and dirt proof, inner cloth sleeve acts as a valve, preventing dirt dropping back into cleaner or onto floor when disconnected.
8. **Current**—110 volts alternating or direct current, "Universal" motor, weight of cleaner 12 lbs.

Gets the dirt thoroughly, easily and quickly.

Nationally Advertised and known from Coast to Coast

Approved by the Good Housekeeping Institute, Modern Priscilla and the National Board of Fire Underwriters.

1H6657—(Mfrs. 7201 Cleaner complete with full set of attachments in wood case, 32½ lbs.

Each	3 or more, Each	12 or more, Each
$41.50	$39.50	$38.00

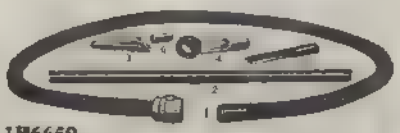
(Suggested Retail Price $59.50)

1H6656—(Mfrs. 7201 Cleaner without attachments in wood case, 27 lbs.

Each	3 or more, Each	12 or more, Each
$35.00	$33.00	$31.50

(Suggested Retail Price $49.50)

Attachments



1H6659

(Mfrs. 201) Set consists of the following:

(1) 8 ft. Web Covered Hose, 1¼ in. diameter.
(2) 30 in. Extension Tube.
(3) 7 in. Drapery Nozzle
(4) Hollow Clothing Brush.
(5) Radiator Tool.
(6) Connector Tool.

1 set in carton, 5¼ lbs.

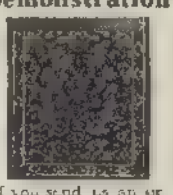
SET (6 pcs.) $6.50

Fancy colored cretonne apron with pockets for holding attachments included with each set.

$2.00 Allowance

A $2.00 demonstration allowance will be given to every merchant who agrees to conduct a continuous store demonstration for 4 months and actively solicits housewives for a home demonstration. If you want to take advantage of this allowance ask for "$2.00 Demonstration Agreement" on your order.

Free Rug for Demonstration



If you send us an order for 6 Universal Vacuum Cleaners we will send you FREE a 27x54 in. Lyonia Axminster Rug for demonstration purposes.

VACUUM CLEANERS

A simple demonstration is all that is needed to convince the most hesitant customer that these vacuum cleaners are the best on the market at anywhere near the price

A WORLD BEATER!

Aladdin

The Wonder Cleaner

Improved Model

The "Aladdin" is a quality product in every particular. Made by the largest manufacturer of Electric Vacuum Cleaners in the world. There is no better cleaner on the market in construction and performance than the "Aladdin." Combines excellence in construction and operation with moderate price.

Features of the "Aladdin"

Read over these points and compare them with those of any vacuum cleaner but

(1) **GENERAL ELECTRIC TYPE MOTOR**—The heart of the vacuum cleaner. Strong, compact and powerful. Air-cooled, no belts or cogs, fan forces air through motor and cools it during the actual operation.

(2) **REVOLVING SPECIAL BRISTLE BRUSH**—Positive action, double drive, loosens the embedded dirt and picks up hair, threads, lint and other surface matter

(3) **POWERFUL SUCTION**—To draw up the embedded dirt that ents the rug nap

(4) **TRIGGER SWITCH**—In the comfortable pistol grip for easy starting and stopping.

(5) **TWILL BAG**—Handsome blue bag of finest twill, dust tight slide-on clamp—simply pull the clamp off the end of the bag, empty it and slide the clamp on. A quarter turn fastens the bag onto cleaner by a bayonet lock—a quarter turn back releases it for emptying

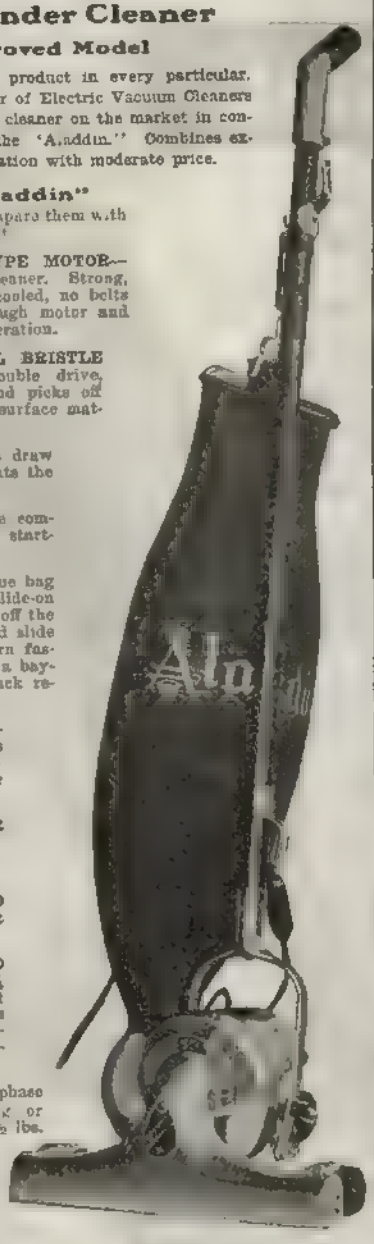
(6) **NOZZLE ADJUSTMENT**—Adjustable to all surfaces from bare floors to the longest nap rugs. Located over the rear caster.

(7) **NON-MARRING RUBBER CASTERS.**

(8) **ALL ALUMINUM BODY.**

(9) **FLEXIBLE COVERED CORD**—20 ft. of the finest cord obtainable.

(10) **EXTRA WIDE TAPERED NOZZLE**—13¼ in. long, 1¾ in wide, tapered so that it gets into the corners. It is unnecessary to make a separate job of cleaning out-of-the-way places.

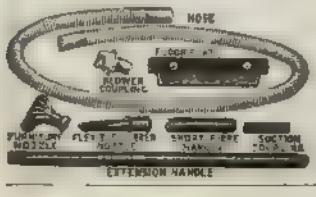


1H6900—110 volts, single phase motor, alternating or direct current. 1 in case, 15½ lbs.

Each **$28.75**

Lots of 3, Each **$27.50**

Complete set of instructions for assembling and operating the "Aladdin" included with each cleaner



FREE DEALERS' HELPS

We will furnish a quantity of attractive 8 page folders, and a newspaper electro to help you sell "Aladdin" Vacuum Cleaners. Ask for these FREE dealers' helps when you order.

1H6955—These attachments increase the efficiency of the "Aladdin"

Short fiber handle	Long extension handle
Suction coupling.	Furniture nozzle.
Blower coupling.	Flexible rubber nozzle.
6 ft. of corrugated hose.	Floor plate.

1 set in box, 5¼ lbs. BSP (8 pcs) **$6.50**

NATIONALLY KNOWN

Hotpoint Vacuum Cleaner

Model V7

Everybody knows the "Hotpoint" products and asks for them by name. They give lasting satisfaction. This cleaner is true to the "Hotpoint" high standards of quality, efficiency and service.

Features of the "Hotpoint":

ADJUSTABLE NOZZLE—[illegible] Cleans in corners and small [illegible] can be raised [illegible]

DOUBLE ACTION OUTSIDE NOZZLE BRUSH—Loosens the stubborn [illegible]

HORIZONTAL MOTOR Air-cooled. Universal type. 0 to 60 cycles, has [illegible]

PRESSED STEEL PAN [illegible] carefully welded to flanged [illegible]

DUST BAG—[illegible] dirt [illegible]

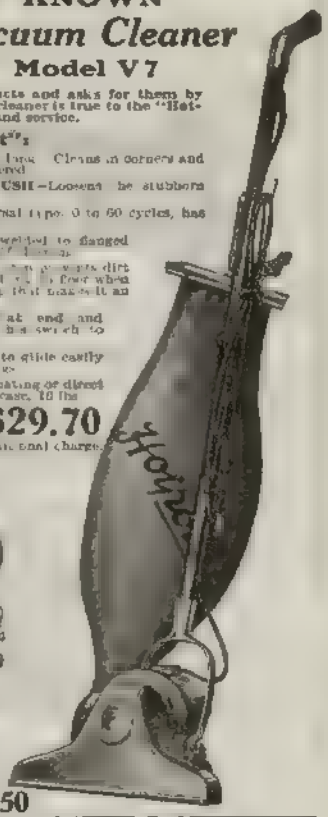
PISTOL GRIP HANDLE—Rubber bumper at end and trigger switch, [illegible]

REAR SWIVEL CASTER—Allows the cleaner to glide easily [illegible]

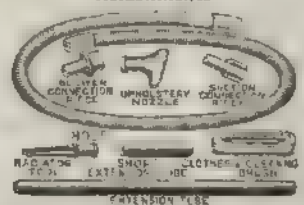
1H7986—Mfrs H2V7. For 110 volts, alternating or direct current. (Universal) motor. 1 in case, 16 lbs.

4 or more, Each **$28.22** Each **$29.70**

Can be furnished [illegible] charges at no additional charge.



Attachments



1H7985—Mfrs [illegible]
[illegible] cleaner hose reinforced
[illegible]
[illegible]
Short [illegible] cleaning brush
Slip [illegible]
Radiator cleaning tool
Upholstery nozzle
Extension tube.
1 set in box, 6 lbs.

SET (8 pcs) **$6.50**

ELECTRIC VIBRATORS AND POPULAR HEATING PADS

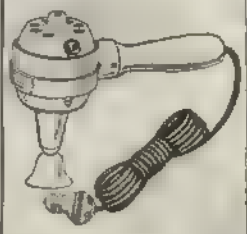
ELECTRIC VIBRATORS

Each with cord and plug

1H6804—"Polar Cub" model B87. 7 in. long, motor vibrator, black enamel finished drawn steel frame, black ebony finished handle, 4 applicators. Retails at $5.00. 1 in box

Each **$3.85**

Lots of 12, Each **3.60**



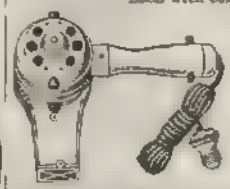
1H7749—(Mfrs B91) "Polar Cub" [illegible] model [illegible] long, motor vibrator, drawn steel frame, ivory finished, 3 applicators, black cord. 1 in box. Retails at $8.75.

Each **$5.05**

Lots of 12, Each **4.75**

ELECTRIC HAIR DRYERS

Each with cord and plug



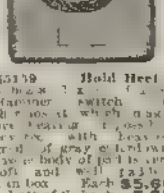
1H3780—(Mfrs B92) "Polar Cub," boudoir style, blower type, heavy [illegible] frame, hardwood handle, [illegible] finish, heating element of high resistance wire, wound on porcelain core, switch for either hot or cold air, black cord. 1 in box. Retails for $9.45

Each **$7.10**

Lots of 12, Each **6.60**

HEATING PADS

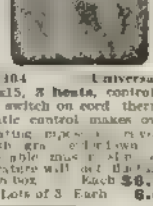
For 110 volts, each with cord and plug



1H5149—Bold Heet," [illegible] Hammer switch [illegible] [illegible] with heat resisting [illegible] cover, with heat resisting [illegible] of gray cloth [illegible] body of [illegible] soft and well padded. 1 in box

Each **$5.60**

Lots of 6, Each **5.33**



1H7404—Universal," 12x15, 3 heats, controlled by switch on cord thermostatic control makes overheating impossible, covered with grey cotton [illegible] non-inflammable mass [illegible] temperature will not [illegible] 1 in box

Each **$6.70**

Lots of 3 Each **6.50**

1H5139—(Mfrs 1360T) "Hotpoint" [illegible] 15 to 3 heats, covered with [illegible] cotton, soft and [illegible] equipped with [illegible] switch, 3 heat feed through switch [illegible] cover

1 in box Each **$6.52**

Lots of 3 Each **6.48**

AIR RIFLES

UPTON MACHINE CO.

Model 40, 1000 Shot Repeater, Lever Action.

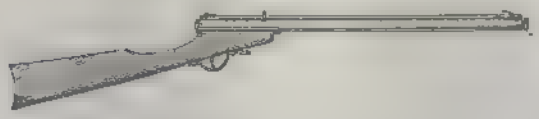
Army blue finish steel barrel, frame and trimmings; walnut stock. Safety lever which can not fly back to gun stock and injure fingers. A loading device which makes it impossible to get oversize shot in magazine. Length over all 36 ins.

Per Doz

No. G40—1000 shot repeater; will hold 350, 500 or 1000 shot; shoots air rifle shot..... $50 25

One doz in case; wt per doz 35 lbs.

BENJAMIN



This is a pneumatic rifle and is operated entirely by air. The air is compressed in an air chamber by a stroke or two of the pump rod, and when released by pressure upon the trigger throws a shot which will easily pass through a ½ inch white pine board. An ideal rifle for target practice and small game. Simple, strong and efficient.

Nickel plated steel barrel and trimmings, varnished walnut stock. Length over all 37 ins.

Per Doz

No. 1BE—Single shot; shoots air rifle shot; wt each 2 lbs..... $117 00

One in carton.

POP GUNS

DAISY

Per Doz

No. 10PG—Designed like an air rifle, breakdown action; one piece nickel plated steel barrel and frame, walnut stock; shoots a cork attached to a cord; length 15 ins; wt each 6½ ozs..... $12 60

One in carton; six doz in case.

DAISY

Breakdown action; heavy metal barrel and frame; gun metal finish; hardwood stock; shoots a cork attached to gun.

Per Doz

No. 7—Length 17 ins; wt per doz 5 lbs..... $6 30

One in cardboard box.

POP GUNS

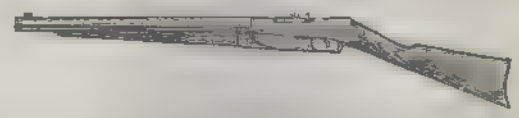
KING

Per Doz

No. 15—Made like an air rifle; Winchester action; one piece nickel plated steel barrel and frame; black walnut stock; shoots a cork attached to a cord; length 17 inches; wt each 7½ ozs..... $6 30

One in carton, three doz cartons in case.

KING RAPID FIRE



A pump action, rapid fre pop gun. Operates similar to a real pump gun; barks hard, loud and fast; easy and simple to work. Loads automatically, explodes with both forward and backward movement of the hand piece; absolutely safe, not even a cork to fly out.

Per Doz

No. 25PG—All metal parts nickel plated; genuine black walnut stock, polished; length 27 ins; wt each 13½ ozs..... $25 20

Three doz in case; wt per case 36 lbs.

WYANDOTTE

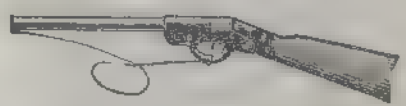
Breakdown action; heavy metal barrel and frame; black gun metal finish; hardwood stock; shoots a cork enclosed in a guard, is automatically pulled in with the breakdown action; can be used by small children with safety.

Per Doz

No. 1—Length 19 ins; wt per doz 7 lbs..... $6 30

One in cardboard box.

WYANDOTTE



Breakdown action; heavy metal barrel and frame; black gun metal finish; hardwood stock; shoots a cork attached to gun.

Per Doz

No. 2—Length 17 ins; wt per doz 6 lbs..... $6 30

One in cardboard box.

GUN DISPLAY CASES

Revolving Hexagon Display Case for Guns and Rifles.

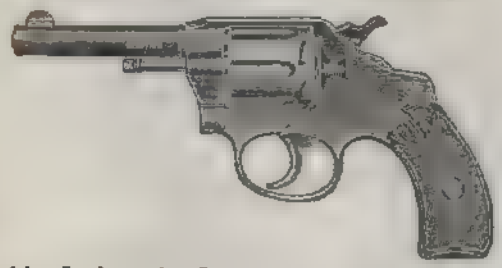
Each

No. 2—Solid oak, 4 ft. 7 in. high, 32 in. wide, each hexagon side 18 in. wide. To be placed on platform or counter; has one door with lock and key; holds 12 rifles and 12 shot guns. . ✦$157 50

One in crate; ship wt 225 lbs.

REVOLVERS

COLT'S NEW POCKET POSITIVE



Double Action, 32 Caliber, Center Fire, 6 Shot.

Simultaneous ejection; jointless solid frame; equipped with the Colt positive lock, an absolute preventive of accidental discharge.

Chambered for 32 Short Colt, 32 Long Colt 32 S&W and 32 S&W Long Cartridges.

Nickel Plated.

No.	Barrel, ins	Stock	Wt, ozs	Each
1323½	3½	Rubber	16	✦$70 05

Blued.

No.	Barrel, ins	Stock	Wt, ozs	Each
01323½	3½	Rubber	16	$70 05

Chambered for 32 Colt Police Positive. (Using 32 Colt Police Positive, Full and Gallery Loads; also 32 S. & W. Short and Long Cartridges, when barrel is stamped "32 Police Ctg"). **32S&W, 32 S&W Long and 32 Colt New Police Positive Cartridges.**

Nickel Plated.

Nos.	Barrel, ins	Stock	Wt, ozs	Each
$1322½	2½	Rubber	15	✦$70 05
$1326	6	"	18	✦ 70 05
$1322½P	2½	Pearl	15	✦ 76 95
$1326P	6	"	18	✦ 76 95

Blued.

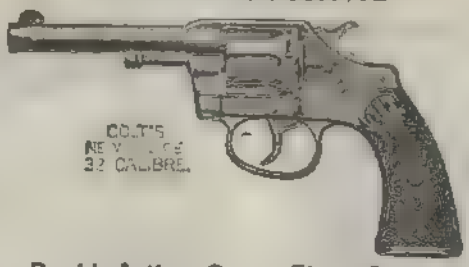
Nos.	Barrel, ins	Stock	Wt, ozs	Each
$01322½	2½	Rubber	15	✦$70 05
$01323½	3½	"	16	✦ 70 05
$01326	6	"	18	✦ 70 05
$01322½P	2½	Pearl	15	✦ 76 95
$01323½P	3½	"	16	✦ 76 95
$01326P	6	"	18	✦ 76 05

One in cardboard box.

✦Display Cases—F. O. B. Missouri Factory Only.
✦Revolvers—F. O. B. Connecticut Factory Only.

REVOLVERS

COLT'S NEW POLICE POSITIVE



Double Action, Center Fire, 6 Shots.

Simultaneous shell ejection, solid jointless frame, equipped with the Colt's positive lock which is an absolute safe guard against accidental discharge.

Adopted by the Police Department of New York City.

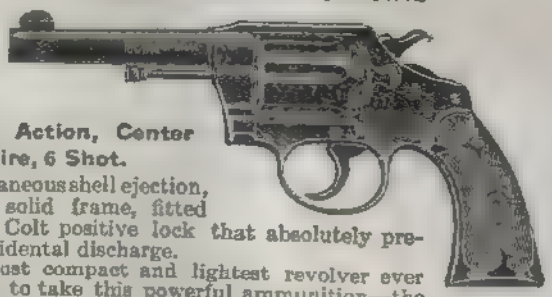
32 CALIBER

Chambered for 32 Colt Police Positive; 32 S&W, 32 S&W long and 32 Colts New Police Positive Cartridges.

Barrel, ins	Stock	Wt, ozs	Nickel Plated. Nos.	Each	Blued. Nos.	Each
4	Rubber	18	PPC1324	✦$71 85	PPC01324	$71 85
4	Pearl	18	PPC1324P	✦ 78 90	PPC01324P	78 90

Can be furnished from factory with 2½ or 6 inch barrel at same price as above.

COLT'S POLICE POSITIVE SPECIAL



Double Action, Center Fire, 6 Shot.

Simultaneous shell ejection, jointless solid frame, fitted with the Colt positive lock that absolutely prevents accidental discharge.

The most compact and lightest revolver ever produced to take this powerful ammunition—the most effective pocket and house arm on the market.

32 CALIBER

Chambered for 32-20 Winchester Rifle Cartridge.

Barrel, ins	Stock	Wt, ozs	Nickel Plated. Nos.	Each	Blued. Nos.	Each
4	Rubber	22	PPS324	$75 45	PPS0324	$75 45
5	"	24	PPS325	75 45	PPS0325	75 45
6	"	25	PPS326	✦ 75 45	PPS0326	75 45
4	Pearl	22	PPS324P	85 80	PPS0324P	85 80
5	"	24	PPS325P	85 80	PPS0325P	85 80
6	"	25	PPS326P	✦ 85 80	PPS0326P	85 80

38 CALIBER

Shooting in the same arm 38 long Colt, 38 short Colt, 38 Colt Special, 38 S&W Special, full or mid range loads.

Barrel, ins	Stock	Wt, ozs	Nickel Plated. Nos.	Each	Blued. Nos.	Each
4	Rubber	22	PPS384	$75 45	PPS0384	$75 45
5	"	24	PPS385	75 45	PPS0385	75 45
6	"	25	PPS386	✦ 75 45	PPS0386	75 45
4	Pearl	22	PPS384P	85 80	PPS0384P	85 80
5	"	24	PPS385P	85 80	PPS0385P	85 80
6	"	25	PPS386P	✦ 85 80	PPS0386P	85 80

All above one in cardboard box.

✦F. O. B. Connecticut Factory Only.

PLIER DISPLAY CASES

UTICA

TRIANGULAR

Makes plier sales easy and saves salesman's time. Made of golden oak with heavy glass doors; yellow birch sample boards; rear of case contains stock shelves, protected by paneled door with Corbin lock

One each of the following tools, mounted with a nickel plated clip and tagged with number and size.

Nos.	Each	Nos.	Each	Nos.	Each
3400–6½	–$1.60	60–8	–$1.55	57–7	–$3.30
23–5½	– 1.50	60–7	– 1.35	25–5	– 1.15
777 5½	– 1.50	60–6	– 1.15	325–5	– 1.20
622–5	– 1.15	5000–8	– .85	1050–5	– .90
888 5½	– 1.75	5000–6	– .70	1050–6	– 1.00
024–5	– 1.15	5000–5	– .65	1050–7	– 1.10
650–5½	– 1.35	5001–6	– .95	1050–8	– 1.20
1033 5½	– 1.15	500–6½	– 1.05	3050–8	– 2.80
32–5½	– 1.25	502–6	– 1.20	1950–8	– 2.35
11 6½	– 1.60	1–7	– 1.25	1950–7	– 2.05
11 5½	– 1.45	503–6½	– 1.45	1950–6	– 1.70
65–5	– 1.35	20 4	– .85	50–5	– 1.15
65 4	– 1.25	20–4½	– .89	50–6	– 1.25
42 4	– 1.50	20–5	– .95	50–7	– 1.40
42–4½	– 1.60	20–5½	– 1.00	50–8	– 1.50
42 5	– 1.70	20–6	– 1.05	350–8	– 1.80
42–5½	– 1.80	21–6	– 1.05	1000–10	– 1.45
42–6	– 1.95	21–5½	– 1.00	1000–8	– 1.10
708 6	1.40	22–5	– .95	1000–6	– .90
708 7	– 1.55	22–6	– 1.05	1900–10	– 2.10
708 8	– 1.65	654–5½	– 1.40	1300–6	– .95
6000–7	– 1.50	655–6	– 1.60	1300–7	– 1.10
700 7	– 1.55	57–8	– 3.60	1300–8	– 1.20
				1300–10	– 1.40

Complete

Triangular Display Case—42 Inches High; 26 Inches Wide **$98.17**

PLIER ASSORTMENTS

UTICA

The board is finished in golden oak and equipped with an easel back; each tool fastened with a nickeled clip; tags to match the board are attached giving the number and size of the tool with a place to insert the price.

Per Assortment

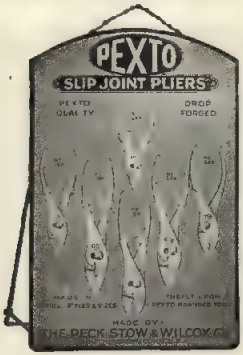
No. **1**—Panel Board, with 12 Tools mounted as follows: One Each, Nos. 655—6-Inch; 777—5½-Inch; 650—5½-Inch; 700—7-Inch; 1000—8-Inch; 25—5½-Inch; 1950—8-Inch; 6000—7-Inch; 42—5½-Inch; 5000—6-Inch; 024—5-Inch; 1033—5½-Inch; Weight Complete, 6⅜ Lbs. **$17.12**

Neat assortment of pliers mounted with nickeled clips on a golden oak finished board. Tags give number and size of tool with a place to insert the price.

Per Assortment

No. **2**—Panel Board with 12 Tools Mounted as follows: One Each, Nos. 5000—5-Inch; Blued Finish; 5000—6-Inch, Blued Finish; 5000—8-Inch, Blued Finish; 5000—5-Inch, Nickel Plated Finish; 5000—6-Inch, Nickel Plated Finish; 5000—8-Inch, Nickel Plated Finish; 6000—7-Inch, Nickel Plated Finish; 4000—7-Inch, Blued Finish; 500—6½-Inch, Nickel Plated Finish; 500—6½-Inch, Blued Finish; 502—6½-Inch, Nickel Plated Finish; 500—6-Inch, Blued Finish; Weight, Complete, 6¾ Lbs. . **$13.00**

PLIER ASSORTMENTS



PEXTO—SLIP JOINT

Metal Display fixtures lithographed in orange, blue, black and white; equipped with easel and chain; assortment consists of 12 slip joint pliers in individual boxes as follows:

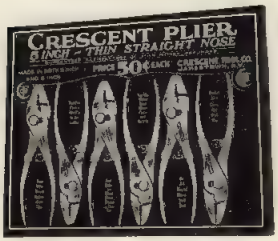
Nos.	Quantity	Length Inches	Weight Per Dozen, Lbs.
5N	2	6	6
24N	2	5	2¾
19N	2	5½	3¼
10N	2	7	6
22N	2	5½	3½
26N	2	7	6

Per Assortment

No. 6—12 Full Nickel Plated Slip Joint Pliers and Display Fixture, Size 10¾x16½ Inches; Weight Complete, 12 Lbs. **$31.00**

Each in a Carton

CRESCENT—SLIP JOINT
THIN STRAIGHT NOSE PLIERS



Especially convenient for working in narrow inaccessible places, but just as desirable for all-around work; made of drop-forged steel, hardened and oil tempered; nut and bolt of solid bar steel, thoroughly hardened, hand polished and nickel plated finish; checker dot knurling on handles. Made in two sizes, 5 and 6 inches; on two color display card with lock easel back.

Per Assortment

No. DB7— Six 5 Inch Thin Straight Nose Pliers Mounted on Display Card 8½ x 11 Inches, and Six 6 Inch Thin Straight Nose, Packed in Individual Cartons; Weight Per Assortment, 4 Lbs. . **$3.75**

PLIER ASSORTMENTS

UTICA
SLIP JOINT

Mahogany finished panel with easel back. Assortment contains the following nickel plated pliers, one of each mounted.

Quantity	Nos.	Size, Inches
3	5000	5
3	5000	6
2	5000	8
2	500	6½
2	6000	7

Per Assortment

No. 3 — Size Panel, 8½x11¾ Inches; Weight Complete, 5⅞ Lbs. **$13.70**

PEXTO FIRM JOINT

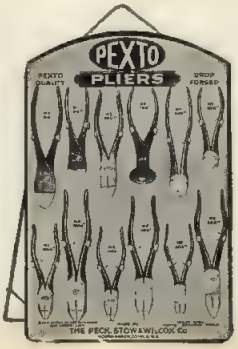
Assortment of pliers mounted on a metal lithographed panel; equipped with easel back and chain for hanging.

Assortment contains one each of the following numbers as illustrated.

Nos. and Size	Nos. and Size
67–5½	270–5
99–5	75–5½
42–5½	72–5
35–5	66–5½
250–5	200–5½
62–6½	63–5½

Per Assortment

No. 12—12 Pliers with Gun Barrel Finish Handles and Polished Heads; Complete with Display Fixture, 17¾x13¾ Inches, Weight Complete, 9 Lbs. . . . **$21.00**



Metal display fixture and 12 pliers as illustrated.

One each of the following.

Nos. and Size	Nos. and Size
30–6	89–6
30–8	89–8
40–6	74–6
40–8	70–7
500–6	5–6
500–8	5–8

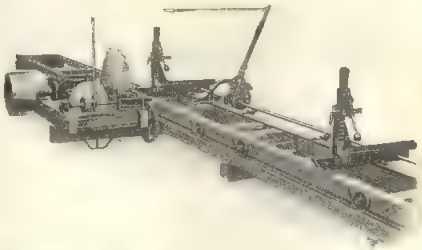
Size of Panel, 13½ x 20 Inches; Weight Complete, 13 Lbs.

Per Assortment

No. 5 ... **$24.00**

Variable Friction Feed Saw Mill

No. 2915-1



Can be operated with any kind of power up to 20 h.p., and has been operated successfully with gasoline engine of 8 h.p. and 6 h.p. steam.

Capacity 2,000 to 6,000 feet per day. Takes saws up to 50", carriage has travel of 24 feet and will handle logs up 36" diameter and 20 feet long.

VARIABLE FRICTION FEED SAW MILL

No. 2915-2

Requires 10 to 25 h.p. Has capacity of 5,000 to 10,000 feet per day according to power used. Takes saws up to 54" and can cut logs as large as 40" in diameter.

VARIABLE FRICTION FEED SAW MILL

No. 2915-3

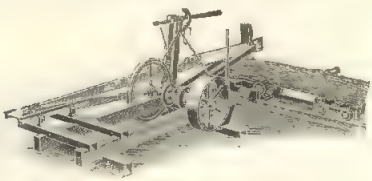
Requires from 15 to 30 h.p. Has capacity of 6,000 to 15,000 feet per day. Takes saws up to 60" and can cut logs as large as 48" in diameter.

"HEACOCK" VARIABLE FEED SAW MILL

No. 2915-4

A heavy portable rig that is not surpassed in quality or performance. It is adapted to any power up to 40 h.p. and is capable of cutting up to 20,000 feet per day. Saws up to 60" in diameter may be used.

Friction Feed Drag Saw



No. 2916

The Friction Feed is very simple, yet positive and effective. It will start, stop or reverse instantly by very slight motion of the feed lever, without any effort on the part of the operator. It will not stick or get out of order and will last for years. This enables the operator to feed the logs ahead or back at will as much or little as desired, and stop at any point without running back or losing time. This feature alone puts the "Champion" ahead of any other drag saw in the market, yet it has every practical advantage that can be desired in a machine of its kind.

Unless otherwise ordered each machine is furnished complete with 24" by 6" driving pulley, log truck power rolls, tumbling rod with two Universal Couplings 16' of track and one 5' 6" saw.

Capacity: 30 to 40 cords of wood per day, depending on kind of wood, power and speed.

Power required. Two to four horse power will operate machine to good advantage, more more will give greater capacity.

Full specifications on application.

Lock Corner Box Machine

No. 2911 61

Two Sizes, 12" or 16" Deep

This machine is designed for cutting or notching box stock, intended to be put together in lock corner style.

The table can be raised or lowered to cut different thicknesses, and also to allow for wear of cutters. The spindle carrying the cutters is 1⅝".

The cutters are 8¼" diameter, each with two cutting points. They are fitted to the spindles spirally, so that when in operation, there is a continuous cut. They are regularly made to cut ⅝" joints. Cutters with a greater number of cutting points or different thickness supplied as ordered.

Each machine is furnished with a separate countershaft, a plate attachment for setting the cutters, a jointing table for jointing the points of the cutters when they become worn uneven, and tools to keep them in working order.

The machine is made in two sizes, to corner boxes 12" or 16" deep and as large in other dimensions as desired. Tight and loose pulleys 12" x 8". Speed. 800 r.p.m.

Dowel Machine, 80H

Made in two sizes.

No. 2912-4 for dowels ¼-in h to 1¼-inch. Pulleys 4 x 4 inches. Speed 2800 R.P M. No. 2912-5 for dowels ¼-inch to ⅝-inch. Pulleys 4 x 4 inches Speed 3,000 R.P.M. Knives are set in the heads to give a draw cut and it requires very little effort on the part of the operator to feed the stock.

Power Door Clamp

No. 2913-242

This machine is designed for clamping doors by power. It will handle blind tenon and dowel doors, or we can make it to work the old style of wedge door. End clamps can also be furnished. Capacity, doors 4-ft. by 8-ft. 6 ins. The machine is operated by two foot levers, one to close and one to open the clamp. After the foot lever is operated the machine is entirely automatic. Both beams move at once, a feature which gives greater speed, more capacity with less strain on the frame of the machine.

For dowel doors it is not necessary to use the end clamps. We do not ship end clamps with machine when it is to be used for dowel doors only.

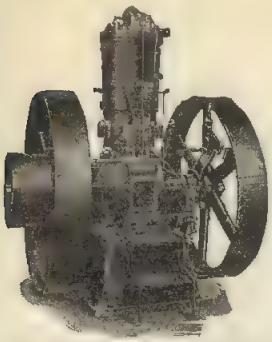
Veneer Press

No. 2914-56

These presses are made in a very superior manner, each section being complete in itself and can be used singly or in combination with any number of them. Several of them are, as a rule, placed side by side and all pieces to be clamped are placed lengthwise through the presses Distance between top and bottom castings 36 inches. Hand wheels can be placed either above or below the top casting. When placed below the distance between castings is greater to allow for same. They are frequently easier to operate when placed below. We make the following sizes:

9 x 18 , two screws	12 x 38 three screws
9' x 28", two screws	10" x 50" four screws
9' x 32", two screws	12" x 50" four screws
9" x 38", three screws	12" x 81" five screws

Full specifications on application.



The Venn-Severin Vertical Oil Engine

This engine is designed and constructed along distincitve lines which avoid the difficulties common to most gas and oil engines.

It operates at ordinary gas engine pressures, not too high to cause wear or breakage, nor too low to interfere with efficiency. Every part is reduced to the most simple mechanical form. All gears, valves, magnetos, batteries, carburetors, etc., are eliminated. There are no adjustments necessary, to meet changes in load, fuel, climate, etc.

The Venn-Severin is distinguished from other crude oil engines in its principle of internal carburetion. The fuel is not injected against a red hot surface, but is sprayed by a patented inspirator in perfectly vaporized form into every part of the compressed air in such a manner that a gaseous mixture, or carburetion, is formed, which ignites spontaneously from the heat of the compressed air.

Inspiration of the oil occurs near dead center, the moment combustion is desired, thereby eliminating pre-ignition which is so destructive to an engine. Ignition is instantaneous and combustion complete.

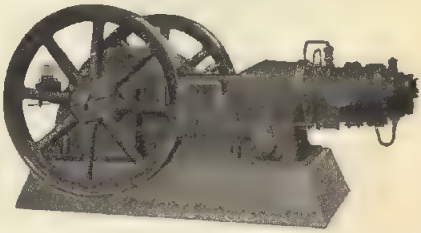
For these reasons it runs with exceptional smoothness and a total absence of any perceptable jar or knock. Therefore, there is no danger of breaking any parts or causing early deterioration of the engine.

The superior principle of operation is indicated by the exceptional low fuel consumption which averages from .65 to .75 of a pound of fuel oil per H. P. hour. It will operate with equal success on any kerosene fuel and crude oil provided these oils are in a free flowing water like condition.

This engine has given exceptionally good results in every class of service. It is particularly adapted for electric light and power generation for pumping plants, factory power houses or other service requiring continuous heavy duty. It is built in both stationary and marine types.

Marine engines from 10 to 120 H. P. Prices on application.

The Bessemer Horizontal Oil Engines



Of massive construction well balanced and very symmetrical in design.

Its functions being comparatively few and easily understood a skilled mechanic is not required to operate.

The cheapest grade of crude oil may be used, which together with its simplicity of parts and low cost of maintenance make it a very economical proposition.

The crank end of the cylinder is used as a pump, to furnish the air necessary for combustion of oil. Into this crank end of the cylinder, during the head end stroke of the piston, air is drawn through the valve at the bottom, filling the evacuated space at atmospheric pressure.

During the crank end stroke of the piston this air is compressed slightly (to about 5 pounds per square inch) and immediately upon the uncovering of the inlet port in the upper side of the cylinder by the piston this compressed air rushes over to the head end of the cylinder, sweeping before it and out of the exhaust ports at the bottom of the cylinder, the burned products of the previous charge.

Upon the following head end stroke the fresh charge is compressed in the combustion end of the cylinder, while a new charge is being drawn in at the crank end. A pump injects fuel into the combustion chamber, near the dead center, which is ignited by contact with the hot surface of the ignition bonnet in the head, and drives the piston outward upon its power stroke. The ignition bonnet is heated by means of a gas or kerosene torch for a few minutes before starting, after which the combustion supplies the necessary heat for ignition.

Bessemer oil engines are built in single cylinder type to 85 H. P. and in twin cylinder type to 180 H. P. They are guaranteed to develop their full rated horse power at the shaft, and there is an overload capacity sufficient to handle and overcome the heavy starting torque of high speed machinery or motors, or for an occasional peak load, such as sometimes occurs in wood working plants They will overcome certain losses due to high elevations, but in choosing any engine, it is advisable to allow for the standard corrections for elevations. Bessemers are tested at 1250 feet.

Special bulletin with full description sent on request.

Prices also on request.

Improved Class "F" Vertical Engine

This center crank vertical engine is well made throughout. The rods are of steel. The crank shaft of solid forged steel balanced, and the brasses are of phosphor bronze. It is very popular with the manufacturers of cement and concrete-mixers, the majority of mixers in the country being equipped with this engine.

A critical steam test of every Engine is made before it leaves our factory, and the necessary adjustments carefully made, so that the Engine is ready to run the moment it is placed in position and given steam.

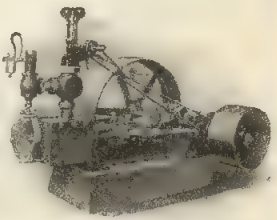
The fittings and fixtures comprise: Fly-Wheel, Pulley, Oil Cups, Sight feed Lubricator, Throttle Valve and Nipples, Governor and Governor Belt. Foundation Bolts and Washers will be furnished when ordered, at an extra cost.

Specifications

Horse-power	5	7	9	11
Size of Cylinder inches	4½ x 5½	5¼ x 7½	6¼ x 7½	7½ x 7½
Revolutions per Minute	300	250	225	200
Diameter of Steam Pipe, inches	¾	1	1¼	1¼
Diameter of Exhaust Pipe, inches	1	1¼	1¼	2
Diameter of Shaft, inches	1 7/16	2⅜	2⅜	2⅝
Diameter and Face of Wheel, inches	20 x 5	24 x 6	24 x 6	28 x 7
Diameter and Face of Pulley, inches	12 x 6	14 x 6½	14 x 6½	16 x 7½
Height from Floor to Center of Shaft, inches	10¾	13⅜	13⅜	17¾
Height from Floor to Top of Cylinder, inches	43	54	54	63
Floor-space occupied, inches square	17	20	20	24
Approximate Weight, pounds	550	880	900	1,400
Prices—Regular Trimmings	$450.00	$550.00	$600.00	$780.00

Horse-power	14	18	22	30
Size of Cylinder, inches	7½ x 9	8½ x 10	9½ x 10	10 x 12
Revolutions per Minute	200	200	200	175
Diameter of Steam Pipe, inches	2	2	2½	3
Diameter of Exhaust Pipe, inches	2½	2½	3	3½
Diameter of Shaft, inches	2 7/16	2⅝	2¾	3¾
Diameter and Face of Wheel, inches	30 x 7	36 x 8	42 x 9	44 x 10
Diameter and Face of Pulley, inches	16 x 7½	18 x 8	20 x 10	24 x 12
Height from Floor to Center of Shaft, inches	17¼	19¼	23½	24½
Height from Floor to Top of Cylinder, inches	67	70	70	88
Floor-space occupied, inches square	24	24	30	36
Approximate Weight, pounds	1,600	2,200	3,300	4,250
Prices	$900.00	$132.50	$1675.00	$2000.00

Class "L" Horizontal Engine



This engine is suitable for all kinds of work where high speed and smooth running is required. It is correctly proportioned, especial attention having been given to distributing the metal along the lines of strain.

The bed is made with solid bottom and arranged to catch all drippings which are conveyed to an exit which has been provided.

The crank shaft is cut from a solid forging of the best quality of steel and is equipped with counter-balancing weights. The main bearings of the crank shaft are made especially large and strong.

The connecting rod is equipped with extra heavy phosphor bronze boxes at each end. The crosshead end is of the solid end type, while the crank pin end is of the strap type. Both brasses are adjusted by means of wedges.

The crank pin and crosshead pin are long and of large diameter, giving very liberal wearing surfaces.

The fittings comprise: fly wheel, pulley, grease cups, sight-feed lubricator, throttle valve and nipples, automatic governor and governor belt. Foundation bolts and washers will be furnished, when ordered, at an extra cost.

Specifications

Horse-power	15	20	25	35	45
Size of Cylinder, inches	7½ x 9	8½ x 10	9½ x 10	10 x 12	11 x 14
Revolutions per Minute	225	225	225	200	180
Size of Steam Pipe, inches	1½	2	2	2½	3
Size of Exhaust Pipe, inches	2	2½	2½	3	3½
Size of Fly Wheel, inches	40 x 10½	44 x 10½	48 x 12½	52 x 12½	60 x 14½
Size of Pulley, inches	20 x 10	20 x 10	24 x 12	24 x 12	30 x 14
Diameter of Shaft, inches	2 7/16	2 15/16	3¼	3¾	4
Approximate Weight, pounds	1,700	2,100	2,800	3,300	4,700
Prices—Regular Trimmings	$861.00	$1026.00	$1275.00	$1440.00	$1841.00

TOY RANGES

CRESCENT

Polished and nickel plated. Handsome design and complete in every detail; exceptionally strong and well built. Equipment—hearth plate, top shelf, kettle, skillet, towel rod, lid lifter, shovel, coal hod and 1 length of pipe.

Per Doz

No. M10—Length 10¼ ins, height 11½ ins, width 5 ins $36 00

One-twelfth doz in cardboard box; wt per doz 60 lbs.

CROWN

An exceptionally strong and substantial range of handsome design. Has every detail of a real stove and assembled with same care. Equipment—hearth plate, kettle, stew pan, skillet, lid lifter, shaker, shovel, coal hod and 1 length of pipe.

Length 13¾ inches; height 12¼ inches; width 6¾ inches.

Each

No. M12—Polished and nickel plated $7 50
No. M14—Blue enameled 9 75

One in cardboard box; wt each 18½ lbs.

QUEEN

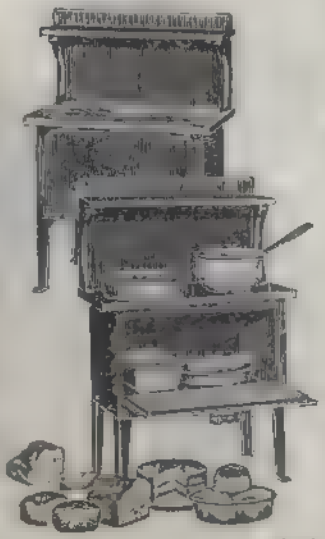
Semi-gloss black lacquer finish, decorated with gold. Perfect model of a large cook stove. Equipment—kettle, skillet, lid lifter and 1 length of pipe.

Per Doz

No. M5—Length 6½ inches; height 4 ins; width 4½ ins $14 25

One-third doz in cardboard box; wt per doz 26 lbs.

EMPIRE, ELECTRIC



Exceptionally neat in design, an exact imitation of high grade commercial cooking ranges. Large oven to accommodate two good size toy baking utensils. Complete with set of four aluminum minature cooking utensils consisting of lipped sauce pan, frying pan, bread pan and round cake pan. Body made of sheet iron, black japanned, riveted; legs, top, shelf and hinges made of steel, nickel plated and polished. Heating elements wound on steel frames of special resistance wire. Complete with 6 feet of cord and detachable plug. Wattage 400, voltage 110 to 120, A. C. or D. C.

Each

No. M26—Height 16½ ins; width 11 ins; depth 6 ins $22 50

One in carton; wt each 10 lbs.

TOY WAFFLE IRONS

STOVER JUNIOR

It Really Cooks.

Cast iron, japanned rim; bright finish molds; natural finish wood handles. Molds revolve in ball sockets.

Per Doz

No. M18—Diam molds 3¾ ins; diam rim at bottom 5 ins. Width over all 7 ins $13 50

One-twelfth doz in cardboard box, 2 doz in carton; wt per doz 18 lbs.

TOY SAD IRONS

Per Doz

No. M28—Plain polished; gold and silver bronzed top and handle; length 2¾ ins $2 40

Two doz in cardboard box; wt per doz 6 lbs.

Per Doz

No. M33—Polished base; length 3¾ ins. An exact duplicate of the regular Mrs. Potts iron and a detachable hardwood handle $6 30

One doz in cardboard box; wt per doz 10 lbs.

SPRINKLING CANS

Body finished in red outside, gilt lacquer inside. Gilt spout; handles and bail securly soldered to body.

Per Doz

No. M11 (Old No. M46—Capacity 1 qt; depth 4¾ ins; diam 4 ins $6 75

One doz in carton; wt per doz 6½ lbs.

SAND PAILS AND SHOVELS

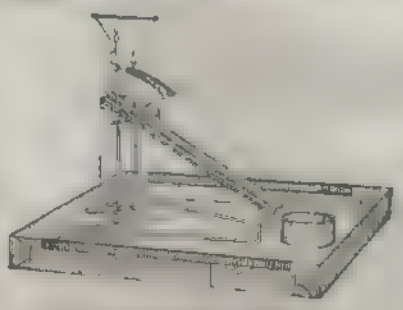
Heavy tin shovel and pail with heavy wire bail. Heavily enameled outside and gold lacquer inside.

Per Doz

No. M114—Depth 5 ins; diam 5¾ ins $6 45

Four doz in carton; wt per doz 6 lbs.

AUTOMATIC SAND TOYS



SANDY ANDY

Constructed of sheet steel; decorated in attractive colors. Sand is poured into the hopper, the car travels up and down the incline automatically, dumping the sand, and remains in motion as long as there is sand in the hopper.

A sand scoop and a friction top can of sand is furnished with each toy.

Nos.	60	75	100
Height set up, ins	12	18½	17½
Wt per doz, lbs	22	27	40
Per Doz	$18 00	27 00	33 00

One-twelfth doz in carton.

TOY COOKING SETS

ALUMINUM

8 Piece Set.

Pure aluminum, dip finish. Set consisits of pie pan, diameter top 4⅛ inches, depth 1⅞ inches, layer cake pan, diameter top 5 inches, depth 1⅛ inches, stew kettle, diameter top 4 inches, depth 2 inches, preserving kettle, capacity 10 ounces, diameter top 4 inches, depth 1⅞ inches, fry pan, diameter top 5 inches, depth 1¾ inches, bread pan length 4½ inches, width 1⅛ inches, depth 1½ inches, pudding pan, diameter top 5 inches, depth 2 inches, and sauce pan, capacity 10 ounces, diameter top 4 inches, depth 1⅞ inches.

Per Doz Sets

No. M112—Wt per doz sets 14 lbs..... $27 00

One set in lithographed nursers rhyme counter display box.

TOY KITCHEN SETS

4 Piece Set.

All metal parts nickel plated; white enameled hardwood handles. Set consists of cake turner, batter spoon, egg beater and ladle.

Per Doz Sets

No. M11—Wt per doz sets 6 lbs $12 75

One-twelfth doz sets in lithographed nursery rhyme counter display box.

8 Piece Set.

All metal parts nickel plated; white enameled hardwood handles. Set consists of potato masher, spatula, cake turner, pastry knife, measuring spoon, batter spoon, egg beater and ladle.

Per Doz Sets

No. M13 Wt per doz sets 12 lbs $25 50

One-twelfth doz sets in lithographed nursery rhyme counter display box.

TOY PERCOLATORS

ALUMINUM

Seamless aluminum body, polished finish; welded spout; ebonized wood handle, removable glass dome tops.

Per Doz

No. M5170—Capacity 1 pt; height 6 ins; diam bottom 3¼ ins $27 00

One-twelfth doz in lithographed nursery rhyme counter display box; wt per doz 6 lbs.

TOY TEA SETS

NURSERY RHYME ASSORTMENTS

Assortment consists of 24 sets made up from the following numbers:

			Retail Value
6	No. M3266, 3 piece childs' Set at	$0 25	$1 50
6	No. M141, 8 piece child's Toy Set at	25	1 50
3	No. M166, 10 piece child's Tea Set at	50	1 50
3	No. M166, 4 piece child's Cooking Set at	50	1 50
2	No. M166, 19 piece child's Tea Set at	1 00	2 00
2	No. 8 child's Cooking Set at	1 00	2 00
2	—No. M5170, 1pt child's Percolators at	1 00	2 00
	24 Sets sells for		$12 00
	Cost to dealer		7 90
	Dealers' Profit		$4 10

Per Ass't

No. M24—Assortment complete as above described..$25 50

One ass't in case; wt per ass't 20 lbs.

TOY LAUNDRY SETS

Per Doz Sets

No. M1—Consists of the following: wash tub, clothes reel, wash board and bag of clothes pins..$28 50

One-twelfth doz sets in carton; wt per doz sets 36 lbs.

Per Doz Sets

No. M2—Consists of the following: wash tub, clothes reel, wash board, bag of clothes pins, wringer and wash basket.$61 50

One-twelfth doz sets in carton; wt per doz sets 58 lbs.

Per Doz Sets

No. M3—Set consists of the following: wash tub, clothes reel, wash board, bag of clothes pins, wringer, basket, ironing board and sad irons..$90 00

One-twelfth doz sets in carton; wt per doz sets 100 lbs.

TOY WRINGERS

Malleable iron frame electro galvanized finish; ¾ inch rubber rollers. The crank is removeable and will turn the rollers backwards or forwards.

Per Doz

No. M8—Wt per doz 18 lbs..... $27 00

One doz in carton.

TOY RANGES

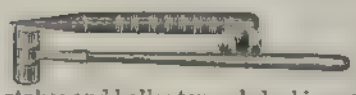
Polished and nickel plated. Equipment—kettle, skillet, lid lifter and 1 length of pipe.

Per Doz

No. M3—Length 5 ins; height 3½ ins; width 5 ins.....$12 75

One-third doz in cardboard box; wt per doz 26 lbs.

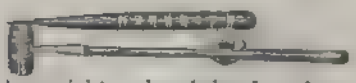
CROQUET SETS



Hardwood mallets; 5 in. long; varnished and headed; fitted with 27½ in. oiled maple handles; rock maple stakes and balls; ten polished iron arches.

Nos.	14	16	18
No. of balls	4	6	8
Wt set, lbs	12	18	19
Per Set	$5 55	7 05	8 40

Three sets in crate.

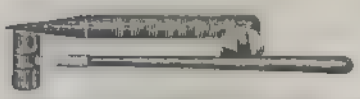


Hardwood mallets; 5 in. long; varnished and painted; fitted with 27½ in. nicely varnished hardwood handles; two eight colored hardwood stakes; hardwood balls; ten polished iron arches.

Per Set

No. 28—Eight balls $9 45

Three sets in crate; wt per set 21 lbs.

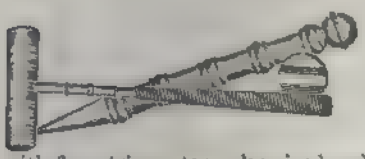


Hardwood mallets; 5½ in. long; varnished and full striped; fitted with 27½ in. varnished and striped white ash handles; two eight-colored hardwood stakes; hardwood balls; ten polished iron arches

Per Set

No. 38—Eight balls $10 50

Three sets in crate; wt per set 25 lbs.

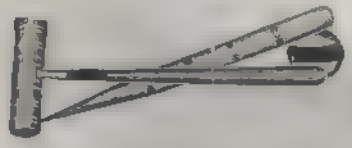


Hand turned, hardwood mallets; 5½ in. long, neatly painted and striped; fitted with 27½ in. maple handles; two large beaded hardwood stakes, hardwood balls, painted with five stripes; ten galvanized arches.

Per Set

No. 044—Professional four ball set $11 70

Three sets in crate; wt per set 20 lbs.



Hardwood mallets; 8½ in long; painted and striped; fitted with 27½ in. varnished and striped hardwood handles; hardwood stakes and balls; ten galvanized iron arches.

Nos.	014	018
No. of balls	4	8
Wt set, lbs	20	32
Per Set	$7 50	12 60

Three sets in crate.

Hand turned. Eight hardwood mallets, 6 in. long, handsomely painted, fitted with 27½ in. hardwood handles; two large beaded fancy striped eight colored hardwood stakes, highly polished five striped hardwood balls; ten heavily enameled arches.

Per Set

No. 48—Eight balls $14 25

Three sets in crate; wt per set 26 lbs.

CROQUET SETS

Hand turned, genuine shellac finish, rock maple mallets, 8¾ in. long ebonized, fitted with 26 in. bronzed rock maple handles; two large beaded fancy striped and bronzed four color rock maple stakes, rock maple balls, varnished; ten heavy galvanized arches.

Per Set

No. 054—Four balls $15 75

Three sets in crate; wt per set 18 lbs.

Hand turned genuine shellac finish hardwood mallets, 6 in. long, ebonized and bronzed, fitted with 26 in. ebonized hardwood handles; two eight colored stakes; bronzed hardwood balls; ten galvanized arches.

Per Set

No. 58—Eight balls $18 00

Three sets in crate; wt per set 25 lbs.

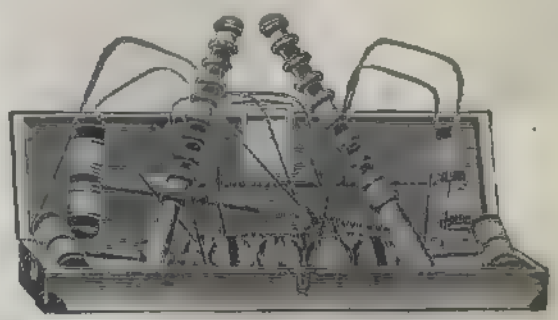
Polished maple, all hand turned; highly finished with genuine white shellac, and lathe polished

Mallets 8 inches long; 26 inch handles; nicely painted balls; two large beaded, four-colored stakes; heavy galvanized arches.

Per Set

No. 50—Eight balls $18 00

Three sets in case; wt per set 28½ lbs.



Mallets hand turned; best polish finish; 7¾ inches long with green band in center, nickel plated bands on end and rubber ends, 26 inch handles with green band, which screw in mallet. Selected fancy striped balls, two large fancy finished; eight-colored stakes; extra heavy enameled arches with sockets.

Box made of clear white pine with fine coach varnish finish; trimmed with polished brass corners to strengthen box; brass hinges and clasps; nickel plated handles.

Per Set

No. 70—Eight balls $44 25

Three sets in case; wt per set 28 lbs.

PLAY GROUND OUTFITS

SLIDER

Sturdily constructed of selected clear rock maple; varnish finish.

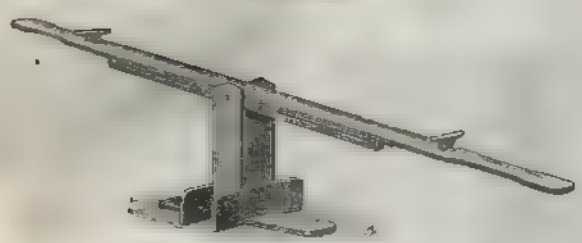
Strongly bolted, braced and built to withstand exposure to severe weather and hard rough use.

Equipped with full length hand grips, making it easy for a child to climb the ladder.

	Each
No. 510—Height 5 ft; length of slide 10 ft; wt each 125 lbs	+$66 00
No. 612—Height 6 ft; length of slide 12 ft; wt each 175 lbs	+79 50
No. 714—Height 7 ft; length of slide 14 ft; wt each 195 lbs	+94 50

One in crate.

SEE-SAWS



Selected clear basswood top board; stand is of clear rock maple having two adjustments for raising or lowering, varnish finish.

	Each
No. 10—Height 24 ins; length of board 10 ft; wt each 65 lbs	+$25 20

One in crate.

+F. O. B. New York Factory Only.

EXERCISERS

WHITELY

HAND GRIPS

Steel spring, highly polished; black enameled wood handles. Handles securely screwed to steel parts.

	Per Pair
No. 26—For individual or class use	$3 15

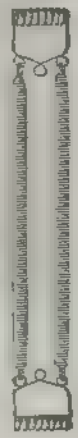
One pair in cardboard box; wt per pair 1 lb.

Elastic.

Consists of a pure gum cable of many strands, covered to protect it from the weather; with adjustable handles and swiveled attachments, running over noiseless and cone-bearing adjustable pulleys, so arranged as to be readily suspended in various positions on small hooks attached to door jam, window casing or any other convenient wood work. The hooks are made of strong steel wire. No straps to buckle; no weights to change; resistance self adjustable

	Each
No. 00—Medium cables; black japanned wood pulleys; wt each 16 ozs	$6 15
No. 0—Medium and heavy cables; black japanned wood pulleys; wt each 20 ozs	8 25
No. 1—Medium and heavy cables; enameled pulleys; wt each 25 ozs	9 45
No. 2—Heavy cables, enameled pulleys; wt each 27 ozs	12 45
No. 3—Medium cables; nickel plated pulleys; wt each 30 ozs	14 25

One in cardboard box.



WHITELY Spring.

Heavily nickel plated; oil tempered steel spiral springs; steel handles, ebony finished grips. Convenient loops (not shown) at each end of springs and can be easily changed from a wall exerciser to a chest pull; with safety chain and hooks.

	Each
No. 5—Light	$6 30
No. 6—Medium	7 20
No. 7—Heavy	8 55

One in cardboard box; wt each 2½ lbs.

PITCHING HORSE SHOES

NATIONAL STANDARD

Standard Regulations, Size and Weight.

Guaranteed for one year.

Dropped forged, all in one piece, correctly designed, perfectly balanced and tempered by a new heat treating process which insures against breakage and bending. Smooth polished finish.

Nos.	2-4	2-4½	2-5
Wt pair	2 lbs 4 ozs	2 lbs 4½ ozs	2 lbs 5 ozs
Per Pair		$5 25	

Nos.	2-5½	2-6	2-6½
Wt pair	2 lbs 5½ ozs	2 lbs 6 ozs	2 lbs 6½ ozs
Per Pair		$5 25	

Nos.	2-7	2-7½	2-8
Wt pair	2 lbs 7 ozs	2 lbs 7½ ozs	2 lbs 8 ozs
Per Pair		$5 25	

One pair in cardboard box.

PITCHING STAKES

	Per Pair
No. 301—Wrought steel, black finish; length 30 ins, diam 1 in	$4 05

One pair in bundle; wt per pair 14 lbs.

FRICTION POWER TOYS

DAYTON, WITH GYRO MOTOR

Heavy metal body; wheels made of steel perfectly true and smooth running. Driving power comes from the famous Gyro motor which is a revelation in toys that operate mechanically, easily operated by any child.

Five Ton.

Sheet steel; enameled gray trimmed in black, red disc wheels with solid rubber tires. Equipped with bumper. Per Doz

No. 1000—Length 20 ins; height 8 ins; width 8 ins..... **$78 00**

One in cardboard box; wt per doz 66 lbs.

DELIVERY VANS

Sheet steel; enameled yellow, red fenders. Runs in straight line or in circle. Length over all 13 inches; height 7 inches; width 5 inches.

Per Doz

No. 705—Wt per doz 8 lbs **$39 00**

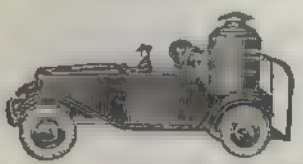
FIRE ENGINES

Sheet steel, yellow enameled body with red tank and fenders. Runs in straight line or circle. Length over all 13½ inches; height 5½ inches; width 4½ inches.

Per Doz

No. 730—Wt per doz 10 lbs..... **$39 00**

FIRE ENGINES



Sheet steel; red enameled body, tank and hose reel, green fenders, black disc wheels, with rubber tires. Equipped with bumper. Per Doz

No. 731—Length 13½ ins; height 5½ ins; width 4½ ins **$49 50**

One in cardboard box; wt per doz 36 lbs.

RACING CARS

Sheet steel; red enameled, yellow body and wheels. Runs in straight line or circle. Length overall 10 inches; height 3½ inches; width 3½ inches.

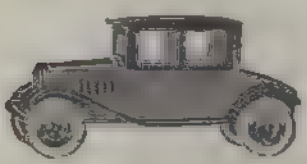
Per Doz

No. 430—Wt per doz 8 lbs..... **$19 50**

COUPES

Sheet steel; blue enameled body, yellow fenders and wheels. Runs in straight line or circle. Length 13½ inches; height 6¼ inches; width 4½ inches. Per Doz

No. 725—Wt per doz 10 lbs..... **$39 00**



Sheet steel; blue enameled body, black top and fenders, red disc wheels with rubber tires. Equipped with bumper.

Per Doz

No. 726—Length 13½ ins; height 6¼ ins; width 4½ ins..... **$49 50**

One in a cardboard box, wt per doz 30 lbs.

FRICTION POWER TOYS

DAYTON, WITH GYRO MOTOR

Heavy metal body; wheels made of steel perfectly true and smooth running. Driving power comes from the famous Gyro motor which is a revelation in toys that operate mechanically easily operated by any child.

Sheet steel; blue enameled body, black top and fenders red disc wheels with rubber tires. Equipped with extra wheel and bumper.

Per Doz

No. 500—Length 19 ins; height 6 ins; width 8 ins..... **$69 00**

One in carton; wt per doz 72 lbs.

ROADSTERS

Sheet steel; red enameled body, black disc wheels with rubber tires, black fenders, brown top. Equipped with extra wheel, bumper and wind wings.

Per Doz

No. 510—Length 19 ins; height 6 ins; width 7½ ins **$69 00**

One in carton; wt per doz 72 lbs.

AEROPLANES

Sheet steel, yellow enameled body, red propeller and wings. Length over all 17 inches, height 5 inches, width 12½ inches.

Per Doz

No. 700—Wt per doz 4 lbs..... **$39 00**

One-twelfth doz in cardboard box.

ELEPHANTS

Sheet metal, gray and red enameled. Runs in all directions.

Per Doz

No. 650—Length 10 ins; height 7½ ins; width 4 ins..... **$25 50**

One-twelfth doz in cardboard box; wt per doz 16 lbs.

STEEL TOYS

"BUDDY L" LINE

The Buddy "L" line of toys are practical, sturdy and educational for all children. They are built to withstand hard knocks and rough handling. Constructed of high grade steel; braced, riveted and welded through out. Finished in baked red and black enamel.

FLIVVER TRUCK, "BUDDY L"

Pressed steel, 22 gauge braced and riveted throughout, black enameled baked on finish.

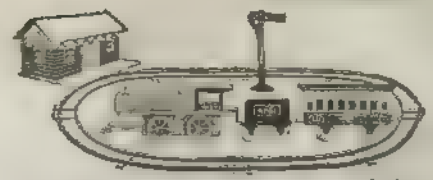
Each

No. 210—Length 12 ins; width 5½ ins; height 7 ins; diam wheels 2½ ins **$6 75**

One in carton, at each 3 lbs.

MECHANICAL TOY TRAINS

"THE HUMMER"



Well built and attractively painted in yellow and black. The spring in the locomotive is very durable. The track consists of four curved pieces which form a perfect circle.

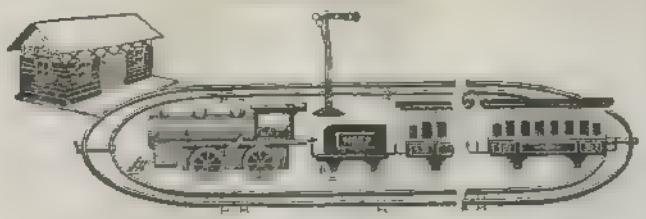
Length of locomotive with tender 10 inches; one car 5½ inches long; diam of track 20 inches.

Per Doz

No. 73—Without semaphore and station; wt per set, 1½ lbs **$28 50**

One in cardboard box.

"THE HUMMER"



Outfit consists of a locomotive with tender and two passenger cars. Six pieces of track, four curved and two straight pieces. Neatly painted in black, yellow and red. The spring in the locomotive which operates the train is very durable.

Length of locomotive with tender 10½ inches; length of cars 5½ inches; size of track 20x28 inches.

Per Doz

No. 74—With semaphore and station as illustrated; wt per set 4 lbs **$37 50**

One in cardboard box.

MECHANICAL BOATS

Strongly made of steel, beautifully painted; equipped to look like real ships. Run by clock work installed in the hull. They are wound up with a key and will glide through the water under the power of their real propellers, for a long while.

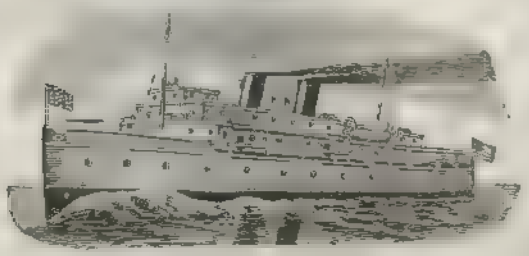
Destroyer Model.

Each

No. 3009—Length 9 ins $4 80
No. 3012—Length 12 ins 7 50

One in cardboard box; wt each about 6 lbs.

IVES



Ocean Liner Model.

Each

No. 5011—Length 9 ins $6 75
No. 5014—Length 12 ins 10 50

One in cardboard box; wt each about 6 lbs.

MECHANICAL BOATS

Torpedo Model.

Genuine solid mahogany hull construction; natural finish; polished brass trimmings.

Equipped with clock works installed in the hull; propeller and adjustable rudder.

Self-propelling; will travel about 300 feet with one winding.

Per Doz

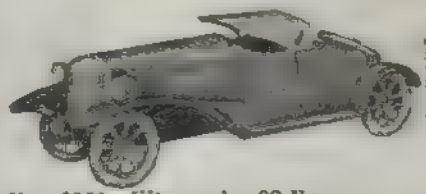
No. 575—Length over all 14 ins; width 3¾ ins; wt per doz 17 lbs **$138 00**

One-twelfth doz in carton.

FRICTION POWER TOYS

These toys operate entirely by friction. They are so constructed that by a single sweep across the floor; enough power will be obtained to run the toy.

SPORT CARS



Sheet steel; enameled blue body, striped in gold bronze, red top and wheels. Length over all 18¼ inches; height 5⅝ inches; width 6 inches.

Per Doz

No. 1922—Wt per doz 32 lbs **$48 00**

One-twelfth doz in cardboard box.

DAYTON, WITH GYRO MOTOR

FREIGHT ENGINES

Sheet steel; enameled bright red, trimmed in yellow. Length over all 17½ inches; height 5½ inches; width 3½ inches.

Per Doz

No. 735—Wt per doz 12 lbs **$39 00**

EXPRESS TRAINS

Sheet steel; enameled bright red, gold bronze trimmings. Per Doz

No. 590—Length 30 ins; height 5½ ins; width 3½ ins **$49 50**

One in cardboard box; wt per doz 48 lbs.

AUTO TRUCKS

Light.

Sheet steel; enameled blue, decorated in yellow. Runs in straight line or circle. Length over all 15 inches; height 5½ inches; width 5 inches.

Per Doz

No. 785—Wt per doz 9 lbs **$39 00**

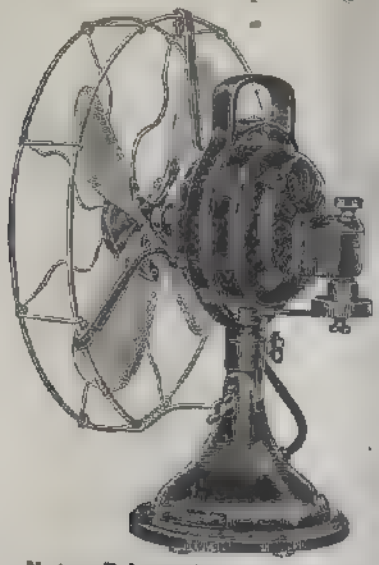
ELECTRIC FANS

GENERAL ELECTRIC CO.

DESK AND BRACKET FANS

Standard Type—Four Blade.

The "16" fan is designed particularly for service in large rooms, stores, restaurants, etc., where a high velocity air discharge is the most effective. The "12" fan is designed for rooms and enclosures of meduim size where a moderately strong velocity is desirable. Noise is reduced to a degree consistent with the general operating characteristics. They are arranged for three speeds and "off" position.



OSCILLATING

The accompanying illustration shows position as desk fan, however fan can be instantly changed to a bracket fan by means of a thumb nut.

Cast iron. Base motor body and guard supports, black enameled. Blades and guard, dipped and lacquered brass. Swivel and trunnion mounting.

A simple friction device in the reducing mechanism prevents the motor from overturning or burning out should it encounter an obstruction during the stroke of oscillation. The steady and graceful operation is due to a two-bearing support for motor body, straight connecting rod and a correctly designed train of gears.

Note—Prices given below include ten (10) feet of New Code Reinforced Portable Cord, with separable attachment plug.

Alternating Current. 110 Volts. 60 Cycles.

Nos.	75423	75425
Diam of blades, ins	12	16
Watts	60	90
R. P. M.	1500	1400
Ship wt each, lbs	35	51
Each	73 05	85 20
List, Each	*$30 00*	*35 00*

Alternating Current. 220 Volts. 60 Cycles.

No.	75426
Diam of blades, ins	16
Watts	90
R. P. M.	1400
Ship wt each, lbs	51
Each	✦88 80
List, Each	*$36 50*

Direct Current.

Nos.	218170	60559	218171	60561
Diam of blades, ins	12	12	16	16
Volts	32	110	32	110
Watts	50	50	85	85
R. P. M.	1500	1500	1500	1500
Ship wt each, lbs	35	35	51	51
Each	73 05	73 05	84 20	84 20
List, Each	*$30 00*	*30 00*	*35 00*	*35 00*

Direct Current. 220 Volts.

Nos.	60560	60562
Diam of blades, ins	12	16
Watts	45	75
R. P. M.	1500	1500
Ship wt each, lbs	35	49
Each	76 65	✦88 80
List, Each	*$31 50*	*36 50*

All G. E. Fans are securely packed in wooden boxes.

✦F. O. B. Ohio or Massachusetts Factories Only.

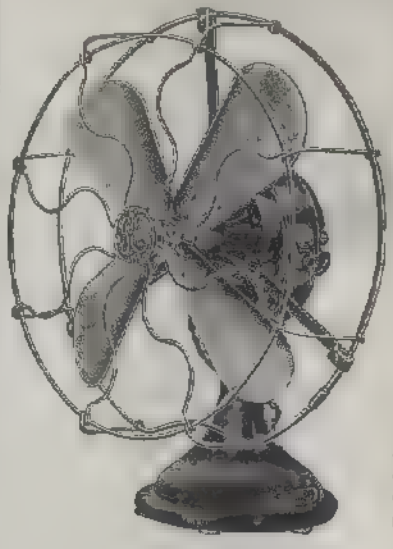
ELECTRIC FANS

GENERAL ELECTRIC CO.

DESK AND BRACKET FANS

Standard Type—Four Blade.

The "16" fan is designed particularly for service in large rooms, stores, restaurants, etc., where a high velocity air discharge is the most effective. The "12" fan is designed for rooms and enclosures of medium size where a moderately strong velocity is desirable. Noise is reduced to a degree consistent with the general operating characteristics. They are arranged for three speeds and "off" position.



NON-OSCILLATING

The accompanying illustration shows position as desk fan, however, fan can be instantly changed to a bracket fan by means of a thumb nut.

Cast iron; base, motor body and guard supports, black enameled; blades and guard, dipped and acquered brass.

Swivel and trunnion mounting, permitting the movement of the fan horizontally or vertically through a wide angle.

Note—Prices given below include ten (10) feet of New Code, Reinforced Portable Cord, with separable attachment plug.

Alternating Current. 110 Volts. 60 Cycles.

Nos.	34017	34021
Diam of blades, ins	12	16
Watts	55	85
R. P. M.	1500	1400
Ship wt each, lbs	34	49
Each	55 95	65 55
List, Each	*$23 00*	*27 00*

Alternating Current. 220 Volts. 60 Cycles.

Nos.	34018	34022
Diam of blades, ins	12	16
Watts	55	85
R. P. M.	1500	1400
Ship wt each, lbs	34	49
Each	✦59 55	✦69 45
List, Each	*$24 50*	*28 50*

Direct Current.

Nos.	218168	34003	218169	34005
Diam of blades, ins	12	12	16	16
Volts	32	110	32	110
Watts	45	45	80	80
R. P. M.	1500	1500	1500	1500
Ship wt each, lbs	34	34	49	49
Each	55 95	55 95	65 55	65 55
List, Each	*$23 00*	*23 00*	*27 00*	*27 00*

Direct Current. 220 Volts.

Nos.	34004	34006
Diam of blades, ins	12	16
Watts	40	70
R. P. M.	1500	1500
Ship wt each, lbs	33	47
Each	✦59 55	✦69 45
List, Each	*$24 50*	*28 50*

All G. E. Fans are securely packed in wooden boxes.

✦F. O. B. Ohio or Massachusetts Factories Only.

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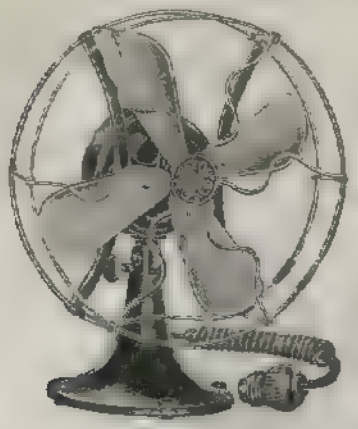
ELECTRIC FANS

GENERAL ELECTRIC CO.

G-E WHIZ, NON-OSCILLATING



The G-E Whiz is a quiet running, durable, low priced fan, and costs but a fraction of a cent per hour to operate. It may be used for either desk or bracket mounting—the turn of a thumbscrew permitting this adjustment.

There are no moving contacts to cause sparking. Attractively finished in dark green enamel.

Diam blades 9 ins; height over all 12 ins; complete with 6 ft cord and attachment plug.

	Each
No. 236327—Alternating current; 110 volt; 60 cycle	27 00
	$10 00
No. 257601—Direct current; 110 volt	40 35
	15 00
No. 257600—Direct current; 32 volts	40 35
	15 00

One in carton; wt each 6 lbs.

G-E WHIZ, OSCILLATING

Cast iron base and frame, green enameled; pressed brass blades. Equipped with rubber switch and felt base. Can be used for either desk or bracket mounting, changing being effected by a single thumb screw.

Diam blades 9 ins; height over all 12 ins. Complete with 6 ft cord and attachment plug.

	Each
No. 257599—Alternating current, 110 volts; 60 cycles	40 35
	$15 00
No. 257604—Direct current; 110 volts	51 15
	19 00
No. 257603—Direct current; 32 volts	51 15
One in carton; wt each 9 lbs.	*19 00*

VENTILATING OUTFITS

GENERAL ELECTRIC CO.

SIX BLADE EXHAUST FANS

Ventilating outfits (or exhaust fans) are adapted to small industrial establishments, restaurants, grill rooms, kitchens, lavatories, vaults, small apartments, etc. They are easily installed, very durable and efficient.

Motor body and supporting ring are of heavy cast iron, black japanned; blades are of steel, lacquered brass finish; all trimmings lacquered brass finish.

Alternating Current.

Nos.	34025	34026	34029	34030
Size, ins	12	12	16	16
Voltage	110	220	110	220
Cycles	60	60	60	60
Speed	1600	1600	1600	1600
Watts	65	65	130	130
Ship wt each, lbs	52	52	65	65
Each	70 50	✚74 10	78 00	✚81 60
	$29 00	*30 50*	*32 00*	*33 50*

Direct Current.

Nos.	218172	34009	34010	218173	34011	34012
Size, ins	12	12	12	16	16	16
Voltage	32	110	220	32	110	220
Speed	1600	1600	1600	1550	1550	1550
Watts	65	65	65	120	120	120
Wt each, lbs	50	50	50	63	63	63
Each	✚70 50	✚70 50	✚74 10	✚78 00	✚78 00	✚81 60
	$29 00	*29 00*	*30 50*	*32 00*	*32 00*	*33 50*

One in wood box.

FOR G. E. CO. EXHAUST FANS

Three Speed.

Nos.	106500	106501	106508	106509	218174
For exhaust fan, No.	34025	34026	34029	34030	218172
Speeds, R. P. M.	1500	1500	1400	1400	1600
	1350	1350	1200	1200	1300
	1000	1000	775	775	1000
Ship wt each, lbs	15	15	15	15	15
Each	✚12 15	✚12 15	✚12 15	✚12 15	✚12 15
	$5 00	*5 00*	*5 00*	*5 00*	*5 00*

Nos.	34034	34035	218175	34036	34037
For exhaust fan, No.	34009	34010	218173	34011	34012
Speeds, R. P. M.	1600	1600	1450	1450	1450
	1300	1300	1200	1200	1200
	1000	1000	800	800	800
Wt each, lbs	15	15	15	15	15
Each	✚12 15	✚12 15	✚12 15	✚12 15	✚12 15
	$5 00	*5 00*	*5 00*	*5 00*	*5 00*

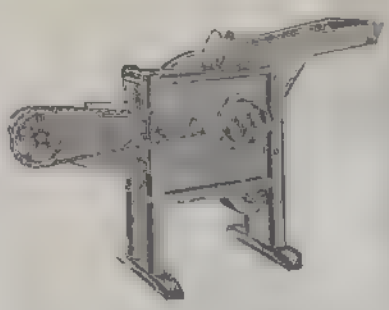
One in wood box.

✚F. O. B. Ohio or Massachusetts Factories Only.

CORN SHELLERS

HOCKING VALLEY

Two Hole, With Cob Carrier.



The castings are made of the best grade of foundry iron; the frames are are made of the best hardwood, painted red and green stripes and varnished. Capacity 35 to 40 bushels per hour. Length of table 27 inches, depth 3 inches, extreme width 16 inches; pulley 8 inches by 3 inch face, fly wheel 24 inches diameter with 1¼ inch rim, crank 12 inches long with hardwood handle. Extreme dimensions 41 inches high, 11 inches wide, 32 inches long. Speed about 100 revolutions of the crank shaft or 300 revolutions of the balance shaft per minute. If used with power, use 2 H. P. gasoline engine or electric motor.

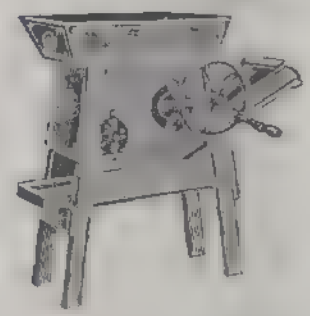
Each

No. 20—Complete with crank, fan, feed table and pulley **$121 50**

Shipped loose, wt each 175 lbs.

PEA HULLERS

ROYAL



A small wooden machine of large capacity, considering its size. Has wooden cylinder and steel teeth, all bearings of iron and all material of the best. Provided with hand screen operating on cleats in box. Nicely painted and varnished.

To be used only for hulling common varieties of cow peas. Cannot be used for hulling navy and field beans. Floor space 16x30 inches; height over all 41 inches.

Each

No. Gem—Capacity 2 to 3 bushels dry peas per hour; weight each 100 pounds ..... **+$40 50**

Shipped loose.

ROYAL

Made of iron and steel with the exception of the base and hopper, 11 inch cylinder, equipped with patent automatic revolving screen. Slices the peas clean, ready for sacking. Painted and varnished.

To be used only for hulling common varieties of cow peas. Cannot be used for hulling navy and field beans.

Floor space 17x40 inches; height over all 50 inches.

Each

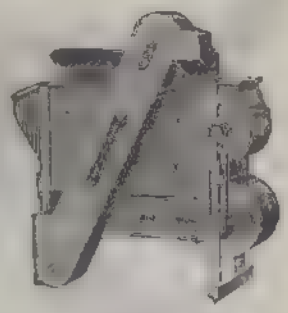
No. 3—Capacity 4 to 7 bushels dry peas per hour; weight each 150 pounds ..... **+$79 50**

Base and hopper wired in a bundle, action in a crate.

+F. O. B. Tennessee Factory Only.

PEA HULLERS

STAR



Improved, Star huller has indestructible malleable iron cylinder and concaves which cannot break or decay. Patent automatic conveyor carries out the hulls while the fan cleans the peas. The 50 pound fly-wheel tightens and equalizes the draft. There are no set screws to cut the shafting and come loose. The blast from the fan can be regulated for grading oats and cleaning wheat and corn.

Will not hull lima beans. Will hull soy beans without any extra attachment. An extra screen is needed for use in hulling velvet beans.

Without Elevator.

Nos.	4SH	9SB	5SB	6SB
Power	Hand	Belt	Belt	Belt
Gasoline engine, or motor H. P	----	1½	2½	2½
Floor space, ins	23x66	23x66	36x78	36x78
Diam., pulley, ins	----	12	14	14
Size face of pulley, ins	----	3½	8½	3½
Speed, R. P. M	----	210	210	210
Height over all, ins	66	66	68	68
Cap. dry peas, per hour, bu	10to12	15to20	30to40	40to50
Wt each, lbs	300	325	500	600
Each	+$99 00	+120 00	+252 00	+303 00

Shipped loose.

With Elevator.

Nos.	11SBE	16SBE
Power	Belt	Belt
Gasoline engine, or motor H. P	2	3
Floor space, ins	23x66	36x78
Diam. pulley, ins	12	14
Size face of pulley, ins	3½	3½
Speed, R. P. M	210	210
Height over all, ins	66	68
Cap. dry peas, per hour, bu	15to20	40to50
Wt each, lbs	350	600
Each	+$163 00	+351 00

Shipped loose.

VELVET BEAN SCREENS

Nos.	4SH$	9SB$	5SB$
For huller, No.	4SH	9SB	6SB
Each	+$7 95	+7 95	+9 30

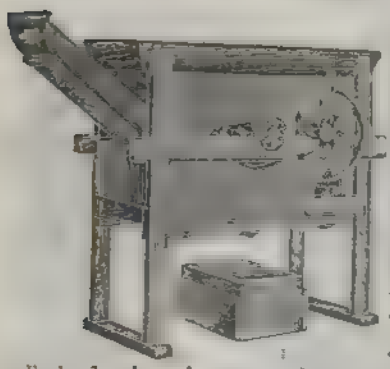
Nos.	6SB$	11SBE$	16SBE$
For huller, No.	6SB	11SBE	16SBE
Each	+9 30	+7 95	+9 30

Note—Nos. 6SB and 16SBE power huller have automatic self-feed.

+F. O. B. Tennessee Factory Only.

PEA AND BEAN HULLERS

DIXIE



Hand.

Pine frame, securely bolted; sides and ends are finished with ¾ inch pine boards, making a substantial enclosure to protect the machinery parts.

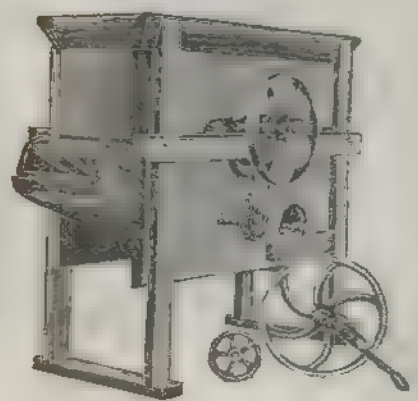
The cylinder and concaves are built of seasoned oak staves with smooth surface against which the peas and beans are threshed; steel spikes headed which are driven thru the staves making them very secure. The cylinder heads and concave rims are cast iron fitted neatly and bolted through and through. Roller bearings. Hulls any dry peas or beans from pod except velvet beans.

Floor space 24x48 inches; height 48 inches.

	Each
No. 1—Capacity 6 to 10 bushels per hour	+$82 50

Shipped loose; wt each 300 lbs

DIXIE



Hand or Power.

Pine frame jointed and bolted together with rods through the frame to hold steady. Sides and ends are finished with ¾ inch pine boards, making a substantial enclosure to protect the machinery parts.

The cylinder and concaves are built of 1¾ inch seasoned oak with smooth surface against which the peas or beans are threshed; ⅝ inch round headed spikes are driven through the staves making them very secure.

Two metal screens are furnished with each machine. Fan belt, drag chains, gears, two cranks and driving pulley complete for use. Hulls all kinds of peas and beans from dry pods including velvet beans. Operated by two crank or 1½ H. P. engine.

Floor space 28x48 inches; height 48 inches. Diameter cylinder 15 inches; length 16 inches.

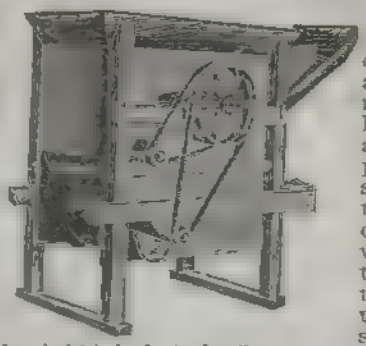
	Each
No. 2—Capacity 6 to 12 bushels per hour	+$135 00

Shipped loose; wt each 350 lbs.

+F. O. B. Georgia Factory Only.

PEA AND BEAN HULLERS

DIXIE



Power.

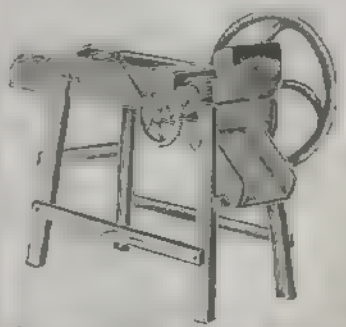
Frame work made of 4x4 inch timbers jointed and bolted together with rods through the frame to hold steady. Sides and ends are finished with pine boards, making a substantial enclosure to protect the machinery parts. Cylinder and concaves are built with a steel jacket covering the surface against which the peas and beans are threshed, backed up by oak staves through which the headed ⅝ inch steel spikes pass and are secured. The cylinder heads and concave rims are cast iron, neatly fitted and bolted through and through. Cylinder shaft 1 inch diameter. All bearings are babbitted and well bolted to frame. Drag [illegible] of No. [illegible] steel [illegible] with [illegible] ing pulley [illegible] inches with 1¾ inch face for 2 inch belt. Fan [illegible] by separate belt. Metal screens furnished for small peas, medium and large beans, three to the huller. Hulls velvet beans and cow peas from dry pod. Operated by 4 H. P. engine or motor.

Floor space 30x54 ins., height 54 ins.

	Each
No. 5—Capacity 20 to 30 bushels per hour	+$270 00

Shipped loose; wt each 650 lbs

FEED CUTTERS



—BLUE GRASS—

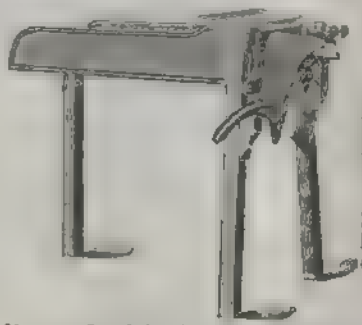
The Blue Grass Feed Cutter is a well finished, strong, durable feed cutter; one that has a good cutting capacity.

Is made of hardwood throughout and finished in the natural color. Cuts hay, straw, corn or fodder, and is suitable for use in feeding from 1 to 5 head of cattle.

Height to top of feed box 49 [illegible] width over all 55 inches, length of crank 12½ inches; diameter of fly-wheel 24½ inches.

	Each
No. 100—One 11¼ in. knife, adjustable to cut ¼, 1, 1½ and 2 ins; wt each 190 lbs	$73 50

Shipped loose, K. D.



GEM

Made of hardwood, well [illegible] and neatly painted. Japanned cast iron lever; enlarged bearings, cast steel, tempered and sharpened blade, bolted to lever.

Height to top of feed box 33 ins; width on floor 14 ins; length over all 36 ins; length of lever 25 ins.

	Each
No. 1—Steel knife with 10 [illegible] in. cutting edge and an adjustable gauge that regulates the feed any length up to 2¼ ins.	$18 00

Shipped loose, wt each 45 lbs.

+F. O. B. Georgia Factory Only.

CORN SHELLERS

RED CHIEF

Improved, cast iron castings, cold rolled steel axle with 4½ inch bearing on hub; adjustable hopper; width 3 ½ inches; depth 4 inches; pressure regulated by heavy wire coil spring; diameter of grinding plate 7¼ inches; studded with ½ inch oval teeth which will not crack the grains, height over all 10 inches; width 8 inches; length of crank 9½ inches.

	Per Doz
No. 1RC—Improved	$73 50

Two doz in bbl; wt per doz 132 lbs.

BLACK HAWK

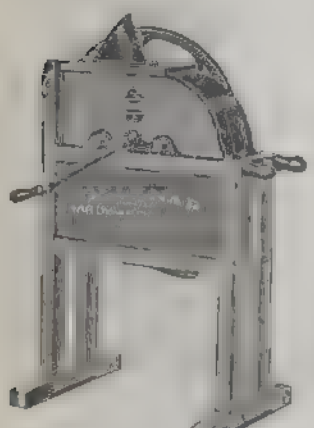
1903 Model—Japanned malleable iron castings, hardened bearings, chilled grinders, steel axle with 4 inch bearings; adjustable hopper, width 3½ inches; depth 4 inches; pressure regulated by heavy wire coil spring; diameter of grinding plate 8¼ inches, studded with ⅝ inch teeth, which will not crack the grains; height over all 12 inches; width 10 inches; length of crank 11 inches.

	Per Doz
No. 28H 1903 Model	$84 00

Half doz in bbl, wt per doz 214 lbs.

—BLUE GRASS—

One Hole.



The Blue Grass Corn Sheller is constructed solidly throughout; frame work is made of selected hardwood, painted red and varnished; all castings are made of best grey iron, free from scrap and coated with black weatherproof paint.

Right hand sheller with end delivery.

No choking; whether the ears of corn are large or small it will shell them perfectly clean without breaking them or throwing any out with the cobs. Plain sheller has screen bottom to screen the chaff. Capacity 20 to 25 bushels per hour. Fly-wheel, 25 inches diameter, with heavy one inch rim and wrought iron spokes; crank 12 inches long with 5 inch hardwood handle.

Extreme dimensions 39½ inches high, 9 inches wide, 25 inches long; length of table 29 inches; depth 4¾ inches; width 15½x5½ inches. The handle or crank shaft should make 75 revolutions per minute, while the balance wheel shaft should make 290 revolutions per minute.

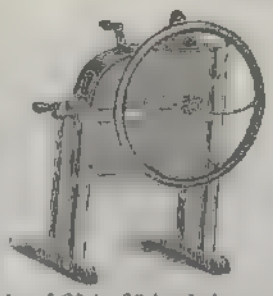
Pulley made of best foundry iron, diameter 8 inches; with 4 inch face. If used with power, use ½ to 1 H. P. gasoline engine or electric motor.

	Each
No. 3 Without fan, feed table or pulley; wt each 123 lbs	$33 00
No. 30—With fan attachment, without feed table or pulley; wt each 134 lbs	36 75
No. 31—Wood feed table extra; wt each 8 lbs	3 30
No. 33—Pulley extra (size 8x4 ins); wt each 10 lbs	4 80

Shipped loose.

CORN SHELLERS

HOCKING VALLEY



One Hole.

Frame made of hardwood, painted red with green stripes and varnished; all castings are of best grade foundry iron. Right hand sheller with end delivery; no choking, whether the ears of corn are large or small, it will shell them perfectly clean without breaking a grain or throwing any out with the cobs; plain sheller has screen bottom to screen the chaff; capacity of 20 to 25 bushels per hour.

Length of table 27 inches, depth 2½ inches; extreme width 14 inches; pulley made of a good grade of iron, dia. 8 in. with 3 inch face; fly-wheel, 27 inches diameter with one inch rim, crank 12 inches long with hardwood handle; extreme dimensions 36 inches high, 8½ inches wide, 27 inches long.

When used with pulley and run by power, should make about 90 revolutions of the crank shaft, or about 270 revolutions of the fly-wheel a minute. If used with power, use ½ to 1 H. P. gasoline engine or electric motor.

	Each
No. 1—Without fan, feed table or pulley; wt each 127 lbs	$45 00
No. 10—With fan attachment; wt each 134 lbs	49 50
No. 11— **Feed Table**, extra; wt each 8 lbs	3 45
No. 12—**Pulley** extra (size 11x3 ins); wt each 10 lbs	4 35

Shipped loose.

HOCKING VALLEY

Two Hole.

The castings are made of the best grade of foundry iron; the frame is made of a good grade of hardwood, painted red with green stripes and varnished.

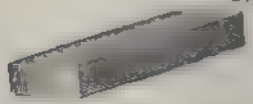
This sheller is intended to be used either by hand or power. It is a hand feed sheller, with a capacity about 35 to 40 bushels per hour adapted for use in flouring mills and by farmers who are supplied with a power; will shell clean without choking and without throwing out any of the corn with the cobs, when run at the right speed. Length of table 32 inches, depth 3 inches, extreme width 16 inches; pulley 8 inch diameter with 3 inch face; fly-wheel 24½ inches diameter with 1¼ inch rim, crank 12 inches long with hardwood handle. Extreme dimensions 41 inches high, 11 inches wide, 32 inches long. Speed about 100 revolutions of the crank shaft or 300 revolutions of the balance shaft per minute. If used with power, use ½ to 1 H. P. gasoline engine or electric motor.

	Each
No. 2—Complete with crank, fan, feed table and pulley; wt each 270 lbs	$108 00

Shipped loose.

RAZOR HONES

CARBORUNDUM

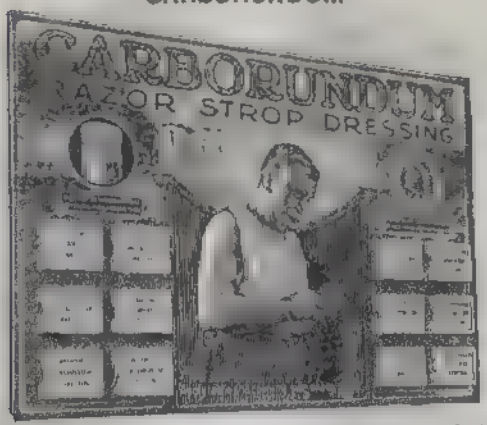


Made of extra fine hand-washed carborundum powder, fast cutting, gives a keen, lasting edge:

Per Doz
No. 1183—Size 4x2x¾ ins..... **$22 50**
One in cardboard box; ½ doz in std pkg, wt per doz, 4 lbs.

RAZOR STROP DRESSING

CARBORUNDUM



A specially prepared mixture of scented wax and the finest carborundum powder possible to produce. The preparation is simply applied lightly to the surface of the strop and it gives the razor a quick, keen, non-pulling edge. It positively will not injure the blade.

Put up in sticks wrapped in tin foil and sealed in individual cartons. One dozen mounted on an attractive lithographed steel display board of five colors. Per Doz
No. 200C—Wt per doz, 2 lbs..... **6 30 $5 00**

BARBERS' CHAIRS

HERCULES HYDRAULIC

A scientifically construced sanitary and handsome finished chair. Raises, lowers, revolves, reclines all with one lever. All metal parts are of steel and malleable iron; white procelain enameled pedestal, seat rim, arms and handle grip, porcelain sleeve covers piston rod. The outer base rim and all other exposed metal parts are heavily nickel plated; manicure attachments on arm hinges; upholstered with genuine black leather. The hydraulic mechanical device is strong and easily operated, each stroke raises the chair ¾ inch. The chair raises 8½ inches.

The hand lever which operates the entire hydraulic mechanism is made from one solid piece of cold rolled steel; requires no trigger, knot, spring or button to operate same.

Well padded head-rest adjustable to any angle and can be dropped back when cutting hair. Each
No. 526-B—Wt each 275 lbs..... **+$390 00**
Crated.

+F. O. B. Ohio Factory Only.

SHAVING BRUSHES

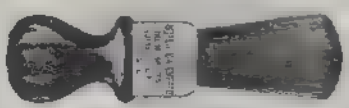
LOCKTITE

Black Chinese bristles, square shape ebonized wood handle. Aluminum ferrule.

Per Doz
No. 125-L—Length over all 4¼ ins..... **$6 75**
One doz in cardboard box; wt per doz 1 lb.

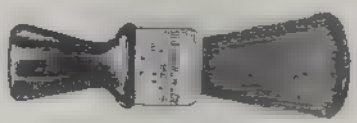
White bristles, ebonized wood handle. Aluminum ferrule.

Per Doz
No. 225-L—Length over all 4¼ ins **$6 75**
One doz in cardboard box; wt per doz 1 lb



Black Chinese bristles, ebonized wood handle. Alberite white ferrule.

Per Doz
No. 245-L—Length over all 4½ ins..... **$9 75**
Half doz in racked cardboard box; wt per doz 1½ lbs

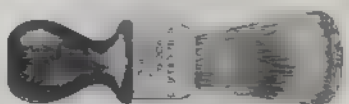


Mixed imitation bristles, ebonized wood handle. Alberite white ferrule.

Per Doz
No. 150-L—Length over all 4¾ ins..... **$13 50**
Half doz in racked cardboard box; wt per doz 1½ lbs.

White French bristles, wood handle, smooth finish. Alberite black finish

Per Doz
No. 250-L Length over all 4¼ ins..... **$13 50**
Half doz in racked cardboard box; wt per doz 1⅓ lbs.

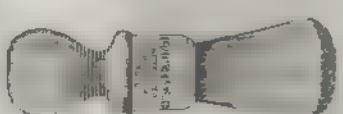


Mixed imitation badger bristles, ebonized wood handle. Alberite white ferrule.

Per Doz
No. 350-L—Length over all 4½ ins..... **$13 50**
Half doz in racked cardboard box; wt per doz 1½ lbs

Mixed imitation badger bristles, white celuloid handle with black top, Alberite black ferrule.

Per Doz
No. 275-L Length over all 4¼ ins..... **$19 50**
Half doz in racked cardboard box; wt per doz 1½ lbs



White imported French bristle, white enameled wood handle. Alberite white ferrule.

Per Doz
No. 175-L—Length over all 4½ ins..... **$19 50**
Half doz in racked cardboard box; wt per doz 1½ lbs.

SPELLING BOARDS

CRESS, Reversible.

Contains 52 movable letters for word building on front side, 52 movable numbers and arithmetical signs for counting and problems on reverse side, red, black and white finish. Attractively decorated with instructive animal border design. Especially designed to teach the children in a very simple, entertaining manner how to count, read numbers, add, substract, multiply and divide.

Per Doz

No. 12—Diam 14 ins. $39 00

One in cardboard box; wt per doz 24 lbs

MAH-JONGG SETS

THE CHINESE GAME

Contains complete set of 144 tiles, printed under great pressure in colors, including the flowers and seasons. Complete with Babcock's book of rules, two dice and counting sticks of various lengths in colors.

Per Set

No. 1—Three-ply white wood tiles, without wooden case box $8 25

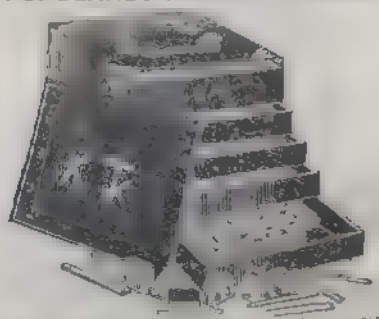
No. 2—Soft white maple tiles, waxed and highly polished with wooden case box 11 25

One in an attractive cardboard box; wrapped in tissue paper; wt per set 5 lbs.

CHINESE GAME

POPULARLY KNOWN AS MAH JONGG, PE-LING, ETC,

IMPORTED



Contains complete set of 144 tiles. Attractive wood cabinets of Chinese structure with sliding front and five trays. Complete with Babcock's book of rules, instructions, bone dice box, two dice and numerous bone counting sticks, carved and painted.

Per Set

No. 4—Attractive wood cabinet with nickel plated trimmings. Tiles of white bone on bamboo, perfectly carved and painted $66 00

No. 5—Handsome teak cabinet with silver plated trimmings. Extra quality tiles of heavy pure white bone on bamboo, perfectly carved and painted 81 00

One set in carton; wt per set 9 lbs.

MAH-JONGG

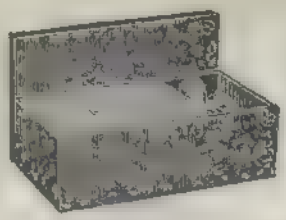
Contains complete set of 144 tiles of white bone on bamboo, perfectly carved and painted. Attractive wood cabinet of Chinese structure with sliding door and five trays, nickel plated trimmings. Complete with Babcock's book of rules, instructions, bone dice box, two dice and numerous counting sticks carved and painted.

Per Set

No. 7—Wt per set 9 lbs $114 00

One set in carton.

MA-JUNG SETS



Contains complete set of 144 all bamboo tiles and 4 extra blank tiles, hand carved and colored. Attractive colored tin box. Complete with book of rules, set of bone counters, dice and season box.

Per Set

No. 12—Wt per set 8½ lbs $13 50

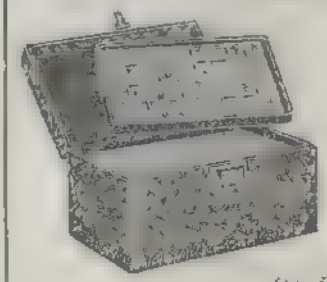
Wrapped in paper.

Contains complete set of 144 bone and bamboo tiles and 4 extra, blank tiles, hand carved and colored. Enclosed in an attractive 5 drawer mission oak cabinet. Complete with book of rules, set of bone counters, dice and season box.

Per Set

No. 15—Wt per set 8 lbs $42 00

One in carton.



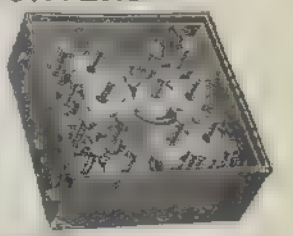
Contains complete set of 144 bone and bamboo tiles and 4 extra blank tiles, hand carved and colored. Enclosed in an attractive 5 drawer leather case, embossed with Chinese figures and patterns. Complete with book of rules, set of bone counters, dice and season box.

Per Set

No. 17—Wt per set 6 lbs $48 00

One in carton.

MA-JUNG COUNTERS



Contains complete set of counters, 4 stands having each counters for 5000 points; made of imperial horn in 4 colors, also 1 marker to show who is east wind.

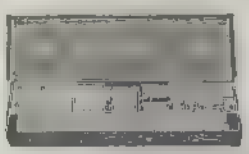
Per Set

No. 25—Wt per set 1½ lbs $9 75

Wrapped in paper.

PE-LING SETS

THE CHINESE GAME, PE-LING JUNIOR



Similar to Mah-Jongg, Pung Chow, etc.

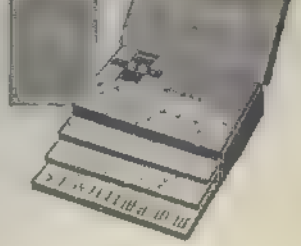
Best quality reinforced cardboard, printed in three colors. Complete with 4 wooden racks, doubling scales, counters, dice, wind discs and blue book of official rules.

Per Set

No. 312—Wt per set 2 lbs $4 05

One set in attractive cardboard box.

PE-LING SENIOR



Specially prepared, wood tiles; ivory finish; 3 color non-fading Chinese designs. Complete with the counters, dice, wind discs and the blue book of official rules.

Per Set

No. 301—Wt per set 2½ lbs $7 50

One set in attractive 4 drawer cardboard box.

RACKS

PUNG AND CHOW

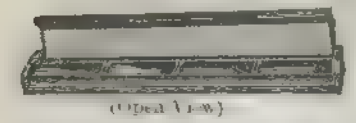
Hardwood heavily enameled. Provides for concealed hand as well as exposed tiles. Length over all 16 inches

Per Set

No. 216—Set consists of 4 racks $4 05

One set in attractive cardboard box; wt per set 2 lbs.

TSUI HAO



(Closed View).

Hardwood, heavily enameled; metal end plates. Made with 4 compartments on inside for holding counters. An ideal box rack which permits the entire hand to remain on rack when exposed for counting. Carter's improved combination scale and doubling score posted on inside of each cover.

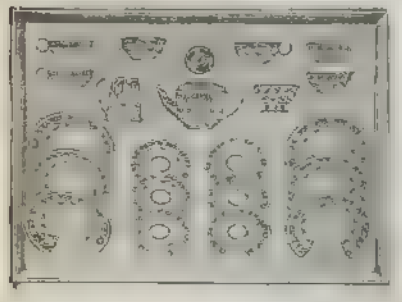
Per Set

No. 214—Set consists of 4 racks $13 50

One set in attractive cardboard box; wt per set 4 lbs.

TOY DISH SETS

Every piece stamped from heavy gauge sheet metal and are strong and substantial, perfectly made and carefully finished. Cups, plates and saucers are furnished in white enamel on reverse sides. Each set put up in individual display box.



Set consists of 22 pieces as follows: 6 oval cups, height 1 in; 6 saucers, diam 3⅛ ins; 6 plates, diam 4¼ ins. 1 tea pot, height 2¾ ins; 1 sugar bowl, height 1⅝ ins; 1 tray 9⅛x13 ins; and 1 cream pitcher, height 2⅛ ins.

Per Doz Sets

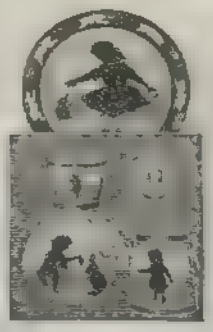
No. 247—Complete as described above $52 50

One-twelfth doz sets in cardboard box; wt per doz sets 3¼ lbs.

Isn't it better to place your orders with a house who can furnish practically all of your needs. It avoids having more than one shipment, saves freight, time and worry.

We are in position to supply over 90% of your wants.

TOY TEA SETS



Every piece furnished in the following Tea Sets are stamped from heavy gauge sheet metal. Each set is put up in an attractive colored cardboard box.

Lithographed in attractive colors. Set consists of 5 pieces as follows: 1 plate 1 cup, 1 saucer and 1 tea pot with cover.

Per Doz Sets

No. M2—Complete as described above $2 70

One-twelfth doz sets in cardboard box; wt per doz sets 4 lbs.

ALUMINUM

8 Piece Set.

Pure aluminum, dip finish. Set consists of 2 cake pans, pudding pan, pie pan, skillet, stew pan, dipper and spoon.

Per Doz Sets

No. M161—Wt per doz sets 4½ lbs ..$6 75

One-twelfth doz sets in lithographed nursery rhyme counter display box.

3 Piece, Child's Set.

Pure aluminum, satin finish. Set consists of plate with letters of alphabet around the edge, diameter top 6⅞ inches, depth 1¾ inches, cup capacity 3½ ounces and saucer, diameter top 4⅛ inches.

Per Doz Sets

No. M3266—Wt per doz sets 3 lbs ... $6 75

One-twelfth doz sets in lithographed nursery rhyme counter display box.

10 Piece Set.

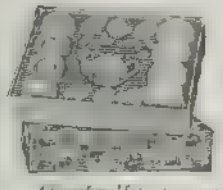
Pure aluminum, dip finish. Set consists of 2 cups, 2 saucers, 2 plates, 2 spoons, sugar bowl and cream pitcher.

Per Doz Sets

No. M168—Wt per doz sets 6 lbs....$12 75

One-twelfth doz sets in lithographed nursery rhyme counter display box.

19 Piece Set.



Pure aluminum, dip finish. Set consists of 4 cups, 4 saucers, 4 plates, 4 spoons, tea pot, cream pitcher and sugar bowl.

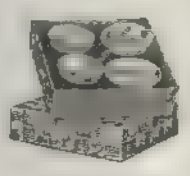
Per Doz Sets

No. M166—Wt per doz sets 8 lbs..$26 25

One-twelfth doz sets in lithographed nursery rhyme counter display box.

TOY COOKING SETS

ALUMINUM, 4 Piece Set.



Pure aluminum, dip finish. Set consists of fry pan, diameter top 4⅛ inches, depth ⅞ inch, pudding pan, capacity 18 ounces, diameter top 5 inches, depth 1¾ inches, layer cake pans, diameter top 5 inches, depth 1⅜ inches and pie pan diameter top 4⅞ inches, depth 1⅜ inches.

Per Doz Sets

No. M163—Wt per doz sets 6 lbs $12 75

One-twelfth doz sets in lithographed nursery rhyme counter display box.

KEY CUTTING MACHINES

RUSSWIN

The Russwin key cutting machine will cut duplicates of all makes of pin tumbler cylinder, flat, double bit, solid and hollow ground keys by changing the cutter and gauge accordingly.

It is the only machine that will do this without complicated changes or adjustments and possible loss of accuracy.

Equipped with two types of cutters, one milling cutter (F) and gauge for cutting pin tumbler keys and two cutting saws and gauges for all other types of keys.

The hinged vice (A,A) holds both original key and blank to be duplicated in rigid and correct position; a shelf on the vice supports the bow on the cylinder key. On each vice there is a hinged stop which screws both as a top shoulder stop (B1) and a setting stop (B2); the shoulder is indispensible when cutting cylinder keys, all cutting from the original cylinder key should be started from the top shoulder. Stop (B1) insures accurate reproduction of the original key; the setting stop (B2) gives the correct distance from the cutter to the gauge (C) by resting the shoulder of one stop (B2) against the cutter and the shoulder of the other stop (B2) against the gauge (C).

Two gauges (CC) one for cylinder and one for other types of keys are furnished with this machine. After the original key and the blank to be cut are placed in position, raise lever (D) with the left hand, turning handle (E) until cutter engages and cuts into blank to be duplicated. Equipped with .035 and .062 inch saws.

Operates by hand or if desired by motor.

	Each
No. 50—Complete with saw and two cutters	✦$101 25
Extra milling cutters	✦ 15 75
Extra cutting saws	✦ 8 40

One in wood box; wt each 12 lbs

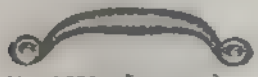
DOOR PULLS

For Screen Doors, or Any Light Door.

Wrought steel; plate 7x2¾ inches, with deep beveled edges; grip 5 inches long.

	Per Doz
No. 542—Antique copper finish	$5 25

Half doz in cardboard box, with screws; wt per doz 9¼ lbs.



Wrought steel; length over all 5 inches.

	Per Doz	Per Gro
No. 1650—Japanned	$1 05	$11 10
No. 1660—Mottled old copper, with screws	1 20	11 55
No. 1680—Dull brass, with screws	1 20	11 55

Three doz in cardboard box; wt per doz 1 ¾ lbs

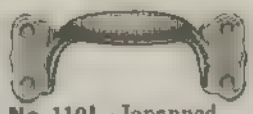
Wrought Steel.

	Per Doz
No. 1257J-1 (Old No. 157)—Japanned; length over all 5½ ins; wt per doz 1 lb	$1 95
No. 1257J-2 (Old No. 257)—Japanned; length over all 6¾ ins; with screws; wt per doz 1½ lbs	2 70
No. 1257J-4 (Old No. 457)—Japanned; length over all 8⅞ ins; with screws, wt per doz 2¾ lbs	9 00
No. 1257D2-1 (Old No. 167)—Antique copper; length over all 5½ ins; with screws; wt per doz 1 lb	3 60

No. 457, ½ doz; balance one doz in cardboard box.

✦F. O. B. Connecticut Factory Only.

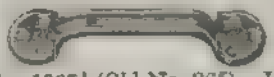
DOOR PULLS



Cast iron, extra heavy; length over all 6 inches.

	Per Doz
No. 1101—Japanned	$4 05

One doz in cardboard box; wt per doz 5½ lbs.



Wrought steel.

	Per Doz
No. 1265J (Old No. 265)—Japanned; very heavy; length over all 10½ ins, with screws; wt per doz 10½ lbs.	$12 75

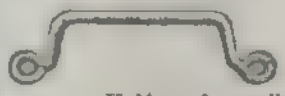
Half doz in cardboard box.

SCREEN DOOR PULLS AND WINDOW LIFTS

Wrought steel; 3½x⅜ inches.

	Per Gro
No. 111-J—Japanned finish	$6 75
No. 116—Antique copper finish, with screws	7 95
No. 118—Dull brass finish, with screws	7 95

Three doz in cardboard box; wt per doz 3 lbs



	Per Gro
No. 500—Steel wire, brass plated; length over all 4⅝ ins	$4 80

Half gro in cardboard box; wt per box 3 lbs.

KITCHEN CABINET PULLS

Wrought steel; size 4¼x¾ inches. Two screw holes.

	Per Doz	Per Gro
No. 472N—Nickel plated	$1 80	$15 75
No. 472D—Dull copper finish	1 35	12 00

Two doz in cardboard box, with screws; wt per doz ½ lb.

BARN DOOR PULLS

Flush.

	Per Doz
No. 150—Cast iron, japanned, size 7½x2½ ins	$3 75

One doz in cardboard box without screws; wt per doz 4 lbs.

GLASS PUSH PLATES

Finest plate glass, beveled edge; complete with nickel plated screws and rubber washers. Holes drilled for attaching.

Nos.	G312	G416
Size, ins	3x12	4x16
Wt per doz, lbs	18	24
Per Doz	$10 50	22 50

One-sixth doz in cardboard box.

KICK PLATES

Packed complete with oval head screws, ready to put on doors.

Unless otherwise ordered, holes are drilled about 4 inches apart.

In ordering give size and finish, also state whether square or beveled edges are desired.

Unless otherwise specified, square edge kick plates will be furnished.

Polished Brass, 16 Gauge.

Length, Ins.		20	22	24	26
8 ins wide	Each	♦ --	♦ --	♦ --	♦ --
10 ins wide	"	♦ --	♦ --	♦ --	♦ --
12 ins wide	"	♦ --	♦ --	♦ --	♦ --
14 ins wide	"	♦ --	♦ --	♦ --	♦ --
16 ins wide	"	♦ --	♦ --	♦ --	♦ --
18 ins wide	"	♦ --	♦ --	♦ --	♦ --
Length, Ins.		**28**	**30**	**32**	**34**
8 ins wide	Each	♦ --	♦ --	♦ --	♦ --
10 ins wide	"	♦ --	♦ --	♦ --	♦ --
12 ins wide	"	♦ --	♦ --	♦ --	♦ --
14 ins wide	"	♦ --	♦ --	♦ --	♦ --
16 ins wide	"	♦ --	♦ --	♦ --	♦ --
18 ins wide	"	♦ --	♦ --	♦ --	♦ --
Length, Ins.		**36**	**38**	**40**	**42**
8 ins wide	Each	♦ --	♦ --	♦ --	♦ --
10 ins wide	"	♦ --	♦ --	♦ --	♦ --
12 ins wide	"	♦ --	♦ --	♦ --	♦ --
14 ins wide	"	♦ --	♦ --	♦ --	♦ --
16 ins wide	"	♦ --	♦ --	♦ --	♦ --
18 ins wide	"	♦ --	♦ --	♦ --	♦ --

Finishes.

	Per 100 Sq In
Brass Unpolished, Dipped Bright	♦$4 50
Brass Polished, Natural Color	♦ 4 80
Bronze, Polished	♦ 5 25
Brass and Bronze Nickel Plated, Antique Copper, Dull Brass and Dull Brass Shaded	♦ 6 00

Per Lineal Ft

Beveling Extra—If beveled on top edge and two sides, add ♦$0 21

The above prices are for all widths up to and including 18 ins.

LETTER BOX PLATES

Outside and Inside Plates.

Wrought steel plate 2½x6¾ inches; opening 1x4⅜ inches.

	Per Doz
No. 256—Antique copper finish	$19 50
No. 258—Dull brass finish	19 50

One sixth doz in cardboard box with screws; wt per doz 6 lbs.

MAIL BOXES

RESIDENCE

Wrought steel; black enamel finish. Equipped with eyelet for padlock. Height 10½ ins; width 5½ ins; depth 1¾ ins.

	Per Doz
No. 10—Wt per doz, 9½ lbs	$4 50

One doz in carton.

♦F. O. B. Connecticut or Illinois Factories Only.

MAIL BOXES

The letter slot at top of box is so constructed that mail once deposited cannot be removed without unlocking the box. The letter slot is protected by an extra hinged cover.

	Per Doz
No. 100—Cold rolled steel, japanned, height 10½ ins; width 5⅜ ins; depth 2½ ins	$11 25

One in cardboard box; wt per doz 12 lbs

Galvanized steel, aluminum finish. Equipped with wire newspaper and magazine holder, also padlock eye. Attractive proportions, abundant capacity, easy of access for removing mail.

	Per Doz
No. 150—Height 10¼ ins; width 5 ins; depth 2 ins	$18 00

One in carton; wt per doz 17 lbs.

Exterior View Interior View

Made of heavy steel; black enamel finish.

Equipped with magazine holder and new fastening device that can be used either as a lock or latch.

Height 11 ins, width 5¼ ins; depth 2¼ ins.

	Per Doz
No. 300—Complete with two keys	$22 50

Two doz in case; wt per doz 23 lbs

Made of 24 gauge, polished cold rolled strip steel. Equipped with glass panel with name clips for owners name; large spring for papers and second class mail; height 11¼ ins; width 5½ ins; depth 2¼ ins. Complete with two keys.

	Per Doz
No. 200C—Oxidized copper finish	$33 00
No. 200DB—Dull brass finish	33 00

One in cardboard box; two doz in carton; wt per doz 24 lbs.

RESIDENCE

22 gauge Steel, olive green finish; has a bevel sight glass, a convenient handle for opening box and brass name plate; also Yale lock with two keys and wire package holder.

	Per Doz
No. 35—Height 10¼ ins; width 5¼ ins; depth 2¼ ins	$33 75

One in carton; wt each 2 lbs.

22 gauge galvanized steel, aluminum bronze finish; riveted joints. The drop letter hole has a guard to prevent removal of letters. The words "Letters and Mail" are embossed in the metal. Door has a glass covered peep-hole. Fitted with brass nose Yale lock, with two keys; name plate and door pull; wire package holder.

	Per Doz
No. 5—Height 10 ins; width 6 ins; depth 3 ins	$42 00

One in carton; wt each 2½ lbs.

TOY BANKS

Per Doz

No. 48—Finished in gold; length 5¼ ins; height 4 ins..... $4 05

One doz in cardboard box; wt per doz 8 lbs.

Per Doz

No. 58—Trimmed in gold bronze; length 6¼ ins; height 4⅞ ins...$9 00

One in cardboard box; wt per doz 15 lbs.

Per Doz Ass't

No. 67—Assorted, elephant, lion and horse, each mounted on wheels. $7 50

Half doz in cardboard box, assorted; wt per doz 15 lbs.

CIRCUS ASSORTMENTS

Per Doz

No. 50—Assortment consists 2 each of the following: gold bronze lion, black horse and silver finish elephant, mounted on metal base.....$6 45

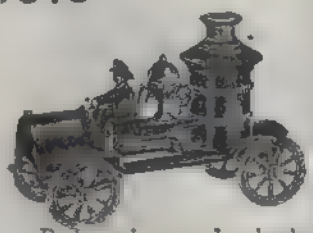
Half doz in cardboard box, assorted; wt per doz 11 lbs.

IRON TOYS

Body red enamel, wheels gold.

Nos.	72	73
Length, ins	5¼	8
Height, ins	4	5
Width, ins	2¾	2½
Wt per doz, lbs	11	18
Per Doz	$7 50	10 50

Half doz in cardboard box.



½ doz in cardboard box.

Body red enamel, wheels gold.

Nos.	75	76
Length, ins	7¾	10
Height, ins	3⅛	4⅓
Width, ins	2	2¼
Wt per doz, lbs	11	18
Per Doz	$7 50	12 75

HORSE AND JOCKIE

Per Doz

No. 78—Horse silver finish; cart and wheels painted red; length, 7½ ins; height 5 ins; width 2½ ins...$7 50

Half doz in cardboard box; wt per doz 13 lbs.

IRON TOYS

FORD COUPE

Per Doz

No. M47 Black body, bright aluminum wheels; non-skid tires; length 5¼ ins; height 3 ins; width 2 ins...$6 75

Half doz in cardboard box; wt per doz 15½ lbs

FORD TRUCK

Per Doz

No. M57—Red enamel body, gold wheels; length 7¼ ins; height 3½ ins; width 2⅜ ins.....$12 00

One in carton; wt per doz 18 lbs.

LINCOLN TOURING CAR

Per Doz

No. M46—Gray body; aluminum wheels; non-skid tires; extra detachable wheel; length 7 ins; height 3 ins; width 2¼ ins..$12 00

One in cardboard box; wt per doz 21 lbs.

TOY HAMMERS

Per Doz

No. M15—Round neck and poll; silver finish; smooth hardwood handle; length of handle 10 ins..... $2 70

Two doz in cardboard box; wt per doz ¼ lbs.

TOY HATCHETS

Per Doz

No. M10—Gold bronze body and poll; polished bit; smooth hardwood handle; width of bit 2 ins; length handle 8 ins.....$2 70

One doz in cardboard box; wt per doz 2¼ lbs.

TOY REGISTERING BANKS

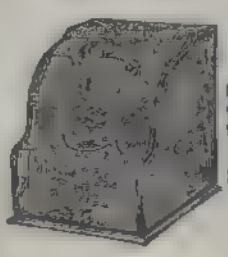
USAVEA PENNY

Case decorated with beautiful Normandy landscape design in colors. Registers and adds pennies only. Opens automatically when one dollar has been registered.

Per Doz

No. 1—Height 3¼ ins; depth 3⅞ ins; width 3½ ins..... $26 25

One in carton; wt per doz 6 lbs.



USAVE A DIME

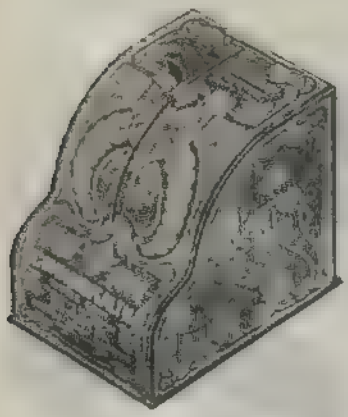
Case Normandy landscape design lithographed in colors. Registers and adds dimes only. Opens automatically when ten dollars have been registered.

Per Doz

No. 10—Height 3⅝ ins; depth 3⅞ ins; width 3¼ ins.....$26 25

One in carton; wt per doz 6 lbs.

TOY REGISTERING BANKS



COMMONWEALTH

Case beautifully lithographed in colors. Registers nickels, dimes and quarters. Opens automatically when ten dollars have been registered.

Per Doz

No. 100—Height 5⅛ ins; depth 6½ ins; width 4 ins ..$42 00

One in carton; wt per doz 24 lbs.

SAVING BANKS

Steel case, oxydized copper finish; safety coin slot so that money cannot be shaken out; round slot for depositing bills; one nickel plated steel key.

Per Doz

No. 40—Size 4x3x2 ins..... $19 50

One in cardboard box; wt per doz 8 lbs.

TOY TELEPHONES

PLAY PHONES

Wood base and receiver, black enameled, sheet steel mouth piece, black enameled finish; steel transmitter, joint, cap, bell; receiver hook nickel plated; buffed finish. Complete with 10½ inches green receiver cord.

Per Doz

No. 2050—Height over all 8 ins; diam base 3¼ ins..... $13 50

One in cardboard box; wt per doz 8 lbs.

Solid wood base; securely fastened to nickel plated base. Equipped with adjustable transmitter, celluloid disc, green mercerized cord and nickel plated bell that rings when receiver arm is pulled down.

An exact duplicate of a real desk type telephone.

Per Doz

No. 600—Height 8 ins; size base 3⅝ ins $25 50

One in carton; wt per doz 9 lbs.

TALKAPHONES

Hardwood standard and receiver black enameled finish; steel transmitter; joint, cap; receiver hook and bell nickel plated; buffed finish. Receiver and transmitter constructed with a membrane of special metal, making possible the talking feature of this phone exceptionally good. Complete with 17 feet of linen transmission cord, enabling a conversation from one room to another.

Per Doz

No. M2065—Height over all 9 ins; diam base 3¼ ins.....$20 25

One in cardboard box; wt per doz 15 lbs.

PRINTING SETS

EXCELSIOR PRINTER

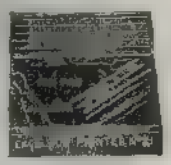
ABCDEFGH

Set consists of 5A font of rubber type (size and style as illustrated above), self inking pad, two line type holder and 1 pair of steel tweezers. Will print any one line of reading matter 2 inches long.

Per Doz

No. 20—Size box 3¾x3 ins.... $3 30

One set in lithographed box; 12 sets in cardboard box; wt per doz 3 lbs.



Set consists of 5A font of rubber type (size and style as illustrated above), 3 full sets of figures, ornaments, etc., 1 pair steel tweezers, self inking pad and three line type holder. Will print three lines of reading matter in one operation.

Per Doz

No. 22—Size 5x4 ins..... $6 30

One set in lithographed box; 12 sets in cardboard box; wt per doz 6½ lbs.

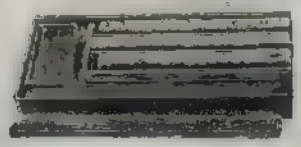
Set consists of 5A 6 font of rubber type, size and style as illustrated above, capitals and small letters, 3 sets of figures, 1 pair steel tweezers, hinged cover, self inking pad 1[illegible] inches and 1 three line metal partitioned type holder. Will print any three lines of reading matter in one operation.

Per Doz

No. 73—Size box 5x6 ins..... $12 75

One set in lithographed box; 12 sets in carton; wt per doz 8½ lbs.

ABC1



Set contains full alphabet, figures, punctuation marks, dollar and cent marks. (size and style as illustrated above), self inking pad and ruler. Especially designed for printing words, names, notices, etc.

Per Doz

No. 100—Size box 9x3½ ins..... $12 75

One set in lithographed box; 12 sets in cardboard box; wt per doz 15 lbs.

MODELING OUTFITS

EVEREDY OUTFITS

Modeling material is antiseptic, germ-proof, always plastic and ready for use. Harmless and will not injure the skin, contains no poisonous matter, will not deteriorate with age and not effected by atmospheric conditions. Made in the following colors: grey, red, blue, green and yellow.

Per Doz

No. 41—Contains material in five colors, one embossed mould giving two designs, modeling tools and a booklet of instructions; half doz in paper pkg; wt per doz 6¾ lbs $6 75

No. 42—Contains material in five colors, two embossed moulds giving four designs, modeling tools and a booklet of instructions; half doz in paper pkg; wt per doz 12 lbs..... 12 75

DAZEY CHURNS

Patented Feb 14, 1922

Patented Feb. 14, 1922

NUMBERS	20	30	40
Capacity, pints	4	6	8
Churning Capacity, pints	2	4	5
Weight, each	5	6	7
Weight, per dozen, boxed	75	105	120
Price, per dozen			

EXTRA GLASS JARS FOR DAZEY CHURNS

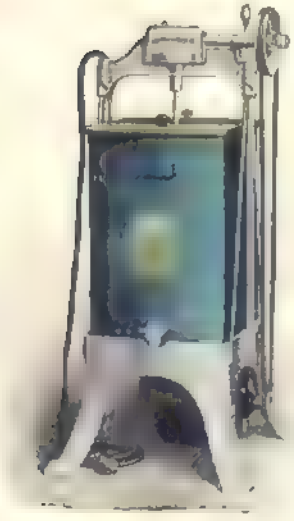
NUMBERS	20-J	30-J	40-J
Weight, per dozen, boxed	50	65	80
Price, per dozen			

MATERIAL AND FINISH

Heavy, clear glass jar, with smooth finished neck, heavily plated screw cap top, hard, white maple dasher, cast frame and gears finished with double coat of aluminum bronze, perforated removable strainer in cap

DAZEY ELECTRIC CHURNS

The same principle of butter-making which has made DAZEY Hand Churns so universally popular, has been combined with every essential feature of a practical and efficient Electric Churn.



Clutch for starting and stopping Churn without shutting off motor is provided; the high base provides safe mounting for motor, and raises the receptacle so a vessel can be placed under faucet; the gears are fully enclosed and protected; the extension cord is protected by carrying same thru hollow side rod. Years of faithful service is assured thru use of highest grade motors, best of materials and careful workmanship.

★MOTORS —The following motors are furnished as standard equipment. Single phase, alternating current, 60 cycle motors of 110 and 220 volts; 32, 110 and 220 volt direct current, compound wound Motors of special cycles, phase, etc., can be furnished at an extra charge

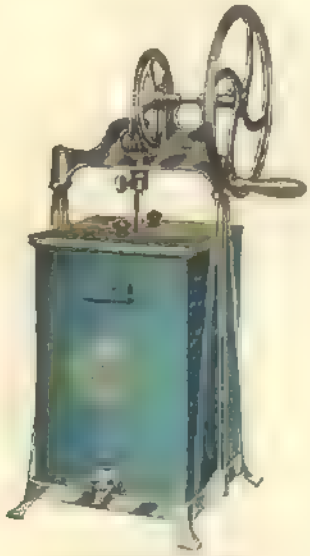
★IMPORTANT.—When ordering Electric Churns it is necessary to specify voltage, cycle and phase on alternating current; specify voltage on direct current.

NUMBERS	450-M	650-M	1050-M
Gross capacity, gallons	4	6	10
Churning capacity, gallons	2	3	5
Motor, horse power	1/6	1/6	1/4
Height over all, inches	31	34	36
Weight, each, crated	70	80	100
PRICE, each with Motor, Belting and Cord			

NUMBERS	450-W	650-W	1050-W
PRICE, each, without Motor, Belting and Cord			

DAZEY CHURNS

Nos. 100-200



Nos. 300-400-600-1000-1600

THE DAZEY PRINCIPLE AND WHY IT IS BETTER

The principal butter-making property of cream is butter fat, which is an oil contained in a tiny, delicate tissue and best compared to a soft shell egg. The principle of ordinary churns is to break these tiny butter fat tissues, allowing the fat to gather in a mass at the top of the cream; but with the DAZEY, it is different and better.

As the cream is rolled along under the wings of the patented DAZEY Dasher, the whole fat globules are **rolled-up** in their natural condition, in uniform sized grains

Cream contains other valuable butter-making properties which are usually lost with ordinary churns, but by the DAZEY System are **rolled-up** with the fat globules. This is the reason the DAZEY produces more and better butter

Just sufficient working to salt evenly is all that is necessary, because the **rolling-up** of the whole globules has squeezed out all milk from inside of grains. This means saving of labor.

The powerful dasher produces a scientific agitation that results in the production of butter in from five to twenty minutes.

The receptacles are non-absorbent; no cracks to harbor the cream and become rancid. The receptacle lifts out of frame and can be cleaned as easily as an ordinary pail. There are no complicated parts in the DAZEY.

MATERIAL AND FINISH

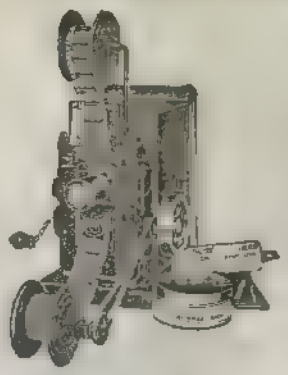
Frame strong, and rigidly constructed of steel and iron, and finished with double coat of pure aluminum bronze; receptacle of triple-plated charcoal dairy plate, enameled outside; covers and dasher of hard, white maple

NUMBERS	100	200	300	400	600	1000	1600
Capacity, gallons	1	2	3	4	6	10	16
Churning capacity, gallons	½	1	1½	2	3	5	10
Height over all, inches	17	21	25	27	31	39	47
Weight, each, pounds	5	8	13	16	27	40	70
Weight, each, crated	10	14	21	26	35	58	100
PRICE, each							

PORTION OF OUR ENORMOUS DISPLAY OF SPORTING GOODS

MECHANIC'S TOOLS AND BICYCLE DISPLAY

TOY MOTION PICTURE MACHINES



Rewind Model.

Steel case, leather pattern, baked crystalized enamel finish mounted on wood base. Equipment consists, of one reel, 6 feet of standard gauge non-inflammable film subject Tom Mix film catalog slides, theatre tickets, bill posters, operators, officers and ticket takers badges, arm bands for the ushers and instructions for operating. Complete with 6 feet of cord and stationary plug. Size picture 36x48 inches, however by using a larger bulb the machine can be placed further from wall resulting in a larger picture.

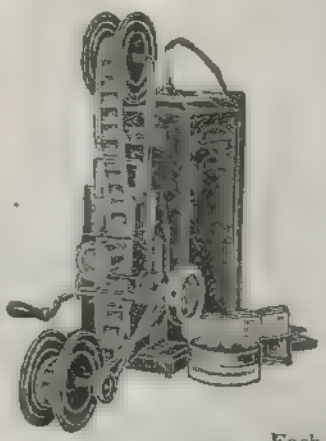
Each

No. 575—Height 10 ins length 8¾ ins; width 5¾ ins **$16 50**

One in carton; wt each 6 lbs.

Rewind Model.

Steel case leather model, baked crystalized enamel finish, mounted on wood base with rubber tabs to prevent scarring the furniture, nickel plated trimmings. Equipment consists of one reel, 10 feet of standard gauge non-inflammable film, adjuster for electric bulb, catalog, slides, theatre tickets, bill posters, operators, officers and ticket takers badges, arm bands for the ushers and instructions for operating. Complete with 6 feet of cord and stationary plug. Size pictures 45x60 inches, however by using larger bulb the machine can be placed further from wall resulting in a larger picture.



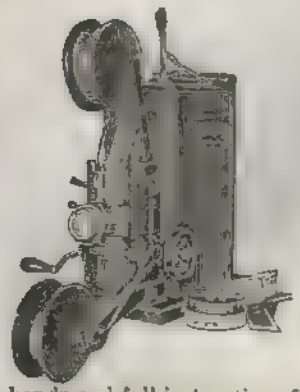
Each

No. 198—Height 19 ins; length 14¾ ins; width 6¾ ins **$26 25**

One in carton; wt each 9½ lbs.

KEYSTONE

Rewind Model.



Steel case, baked crystalized enameled finish, nickel trimmings; hardwood base with rubber tabs on bottom to prevent scarring furniture; has rewind pulley; polished fly wheel, sprocket barrel with rollers so that film will not come off or tear. Equipment consists of extra large lens tube, with lens adjusting mechanism, and three powerful lenses, including condensing lens, highly polished reflector, one compartment slide, Undraw-em slide, 100 theater tickets, supply of bill posters, officers, ticket takers and operators badges, ushers arm bands and full instructions for operating. Size of picture 60x72 inches, 25 feet of standard gauge, non-inflammable film.

Complete with 6 feet of cord and separable attachment plug.

Size pictures 60x72 inches, however by using a larger bulb the machine can be placed further from wall resulting in a larger picture.

Each

No. 261—Height 19 ins; length 14¾ ins; width 6¾ ins **$36 00**

One in carton; wt each 10½ lbs

TOY MOTION PICTURE MACHINE FILMS

D 7

FOR KEYSTONE MACHINES

Non-inflammable standard gauge 1⅜ inches wide. There is no choice of subject in these films as they are supplied from used films from the different studios, however each subject is full of action and no two alike.

Per Doz

No. 434—Length reel 30 ft; wt per doz 5 lbs **$13 50**

No. 437—Length reel 50 ft; wt per doz 9 lbs **20 25**

One reel in can.

TOY STEAM ENGINES

WEEDEN

Upright.

Blued steel boiler with iron fire box, metal base, attractively finished in red and gold; nickel plated balance wheel, alcohol lamp. Complete with instructions for operating.

Per Doz

No. 238—Height 9¼ ins; diam base 3¾ ins; diam balance wheel 2 ins **$17 25**

One in carton; wt per doz 12 lbs.

WEEDEN

Upright.

Blued steel boiler with iron fire box, metal base, attractively finished in red and gold nickel plated balance wheel; brass whistles. Alcohol lamp. Complete with instructions for operating.

Per Doz

No. 239—Height 11 ins; diam base 4½ ins; diam balance wheel 2½ ins. **$27 75**

One in carton; wt per doz 15 lbs

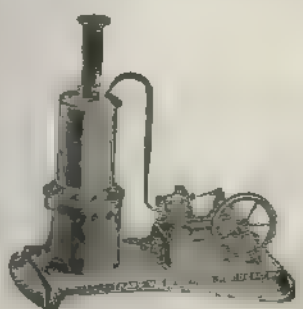
Upright.

Blued steel boiler with iron fire box, metal base, attractively finished in red and gold nickel plated balance wheel, glass water gauge with brass cocks, safety valve and brass whistle, alcohol lamp. Complete with instructions for operating.

Per Doz

No. 144—Height 11¾ ins; diam base 4½ ins; diam balance wheel 2½ ins **$36 00**

One in carton; wt per doz 15 lbs.



One in carton; wt per doz 24 lbs.

Horizontal.

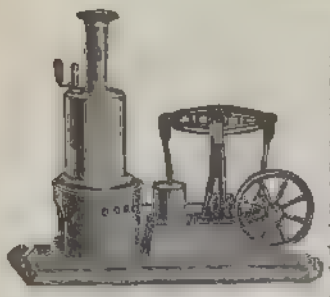
Polished brass boiler with iron fire box, steel base, attractively finished in gray and rich vermilion. Rotating governors; brass whistle. Alcohol lamp. The balance wheel has nickel plated turned finished face and the shaft carries a small pulley to which a belt can be attached to run small toys. Complete with instructions for operating.

Per Doz

No. 123—Height 10½ ins; length 8 ins; width 4 ins; diam balance wheel 2½ ins **$53 40**

TOY STEAM ENGINES

WEEDEN



Beam.

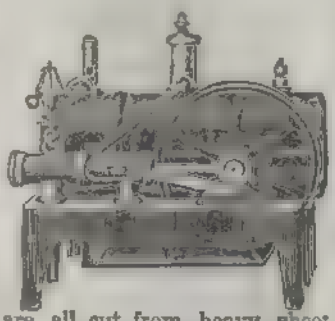
Blued steel boiler with iron fire box, sheet steel base, red enameled. The boiler trimmings are brass filler plug and brass whistle, the walking beam uprights and engine deck are all polished nickel. The balance wheel has turned finished face and the shaft carries a pulley to which a belt can be attached to run small toys. Complete with instructions for operating. Alcohol Lamp.

Per Doz

No. 138—Height 9¾ ins, length 10¼ ins; width 4½ ins; diam balance wheel 3 ins..... $81 00

One in carton; wt per doz 36 lbs.

Horizontal.



Brass boiler, highly polished, trimmed with steam dome, brass whistle, safety valve and water glass with brass cocks and is connected to steam chest on cylinder by a polished brass pipe. The frame is made of iron to which the boiler and engine are securely attached. The cylinder, steam chest and slide rest are cast in one piece. The slide valve, eccentric and connecting rod are all cut from heavy sheet brass and are fastened securely together. Balance wheel made of iron, polished nickel face. Cylinder has polished metal jacket. Alcohol lamp. Complete with instructions for operating.

Per Doz

No. 14—Height 6¼ ins; length 6 ins; width 5¾ ins; diam balance wheel 3 ins..... $129 00

One in carton; wt per doz 60 lbs.

Steam Tractor.

Brass boiler, black nickel finish; slide valve cylinder exhausts through smoke stack. The water glass is finely fitted with brass connections and the other engine fittings are a brass safety valve and seamless brass steam pipe. The eccentric is so constructed that the engine will run either forward or backward. Balance wheel made of iron, polished nickel face. Alcohol lamp. Complete with instructions for operating.

Per Doz

No. 643—Height 11¾ ins; length 8½ ins; width 4 ins; diam balance wheel 2½ ins..... $228 00

One in carton; wt per doz 48 lbs.

BUILDING BLOCKS

HALSAM, SAFETY

A. B. C.

Natural wood, smooth sanitary finish; round corners and edges; inch blocks. Letters and illustrations; two sides printed and embossed letters in colors; four sides printed letters and illustrations in colors.

Per Doz Sets

No. M110 - 6 blocks in a set $2 55

One set in cardboard box; wt per doz sets 2 lbs

BUILDING BLOCKS

HALSAM, SAFETY

A. B. C.

Natural wood, smooth sanitary finish; round corners and edges; 1 1/16 inch blocks. Letters and illustrations; two sides printed and embossed letters in colors; four sides printed letters and illustrations in colors.

Per Doz Sets

No. M109 9 blocks in a set..... $2 40

One set in cardboard box; wt per doz sets 3 lbs.

Natural wood, smooth sanitary finish; round corners and edges; two sides printed and embossed letters in colors; four sides letters and illustrations printed in colors.

Nos.	M201	M203
Size blocks, ins	1 1/16	1 3/16
No. in set	16	30
Wt per doz sets, lbs	8	14
Per Doz Sets	$6 45	12 75

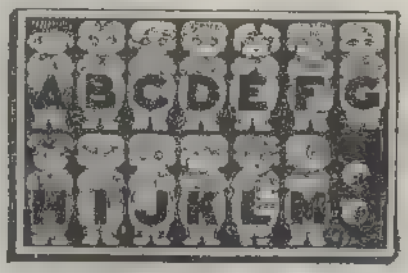
One set in cardboard box.

Natural wood, smooth sanitary finish; round corners and edges, two sides letters embossed in colors; four sides letters and illustrations in colors

Nos.	M302	M303
Size blocks, ins	1 1/16	1 3/16
No. in set	20	30
Wt per doz sets, lbs	22	32
Per Doz Sets	$16 75	25 50

One set in cardboard box.

SCHOENHUT



Hardwood, shaped to present the resemblance of human figures and decorated on both sides with artistic designs, reproduced in seven colors. On one side the blocks present the appearance of children dressed in attractive, quaint costumes, reverse side shows funny animals and birds arrayed in bright colored costumes. So designed that one letter of the alphabet appears on either side of each block, making a complete alphabet. **Flat on top** bottom and sides can be used in numerous ways for building, spelling and marching rows which can be knocked down like rows of dominoes. Complete with 2 rubber balls for playing ten pins.

Per Doz Sets

No. M-13—Size 5x2 1/8 x 7/8 ins..... $63 00

One set in wood box; wt per doz 18 lbs.

They Pick Them Off the Board!

TOOLS set where they can be handled are an irresistible lure to the average man. He picks a pair of pliers off the board, "hefts" a hammer —a sale is made!

Many retailers have written us enthusiastically, telling of remarkable increases in tool sales since they installed the Vlchek board.

This board costs you nothing. It is like an extra salesman—except that you pay it no salary. For a greater tool business this year get the Vlchek board! Full details will be sent you on receipt of the coupon below.

The Vlchek Tool Company
Cleveland, Ohio

VLCHEK TOOLS
EASY TO SAY VELCHEK
Keep Mechanics Good Tempered

MAIL THIS COUPON →

The Vlchek Tool Company
3000 E. 87th St.
Cleveland, Ohio

Please give me full information on the Vlchek Self Merchandising Board. Also send samples of literature and details.

Name.... .....

Address . .. .

Jobber.. . ...

Jobber's Address . . . .

Making Customers of Window Shoppers

A "Vlchek" Display Board in the window of the Riverside Company's store, 17219 Lorain Ave., Cleveland, is a big factor in drawing customers. "We've made a lot of sales to window shoppers and passing motorists who saw the tools they needed on this board," they say. "That's why we keep it in the window."

Auto accessory dealers are writing us telling of increased sales through this silent salesman. The "Vlchek" Board first attracts, interests, and then, by its appeal, creates the desire to buy.

This colorful board, with its neat rows of good tools, is irresistible to the man who likes tools—and most men do. Add to your tool sales by filling in the coupon below and mailing to us.

The Vlchek Tool Co.

3000 E. 87th Street
Cleveland, Ohio

Mail This Coupon

The Vlchek Tool Company
3000 E. 87th Street
Cleveland, Ohio

Please give me full information on the "Vlchek" Self Merchandising Board

Name . . . .

Address .

Jobber . . . . . .

HUNTING KNIVES

MARBLE'S IDEAL

Handle constructed of fibre washers with center composed of two grooved slabs of selected stag horn, securely riveted and driven on tang. Tang entire length of handle and fitted with ½ in. countersunk brass nut. Furnished with tube knife sheath made of good leather.

Each

No. 42-6—6 in. blade $9 30

Half doz in cardboard box; wt per doz about 5½ lbs.

MARBLE'S EXPERT

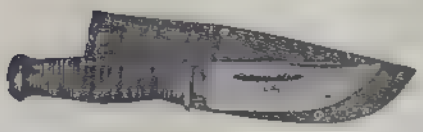
Leather washer handle with aluminum tip. Tang entire length of handle and fitted with ½ inch countersunk brass nut. Furnished with tube sheath made of high grade leather.

Per Doz

No. 545—5 in. blade $75 00

Half doz in cardboard box; wt per doz 4 lbs.

TEDDY
WADE AND BUTCHER
Stainless Steel Blade.



Swaged point; file or milled section on shank provides a firm hold for heavy skinning. Handle constructed of richly colored leather, brass and bakelite, nickel silver hilt and polished aluminum head. Furnished with genuine heavy stitched cowhide sheath, slots for belt; strap around handle secured by snap fastener, prevents knife from falling out.

Each

No. 121—Length of blade 4¾ ins; length overall 9⅛ ins; extreme width 1¼ ins $11 25

Half doz in cardboard box; wt each 8 ozs.

SAFETY POCKET AXES

MARBLE'S

The handiest tool a sportsman ever carried. Large enough to fell a tree, yet small enough to carry in the pocket. Spring hinged guard is lined with lead, nickel plated and folds into the handle. Blades made of finest tool steel and fully warranted.

Guarded.

Each

No. 6—Solid steel blade and bit, 2⅛x4¾ ins; selected hickory handle 12 ins long; wt each 20 ozs $5 25

Sixth doz in cardboard box.

Guarded.

Each

No. 2—Solid steel blade and bit, 2⅛x4 ins, polished steel handle, nickel plated, 11 ins long, fitted with black hard rubber engraved side plates; wt each 20 ozs ... $7 50

Sixth doz in cardboard box.

Not Guarded.

Each

No. 5—Solid steel blade and bit, 2⅛x4½ ins; selected hickory handle, 11 ins long; wt each 16 ozs $4 50

Sixth doz in cardboard box.

POCKET COMPASSES

BOY'S GUIDE

Polished aluminum case, with cover; fancy aluminum dial; beveled glass.

Per Doz

No. 186 Diam 1¾ ins; wt per doz ½ lb $10 05

One in cardboard box.

MANITOU

Polished aluminum case, with cover; aluminum dial, full graduation; beveled glass.

Per Doz

No. 1M—Diam 1¾ ins; wt per doz ½ lb $13 50

One in cardboard box.

TELAWAY

Steel case, dead black finish; white dial. The center bearing holding the needle is jeweled, ensuring perfect accuracy and delicacy of movement.

Per Doz

No. 1—Diam 1½ ins; wt per doz ½ lb $25 95

One in cardboard box.

LEEDAWL

Brass case, highly nickel plated and polished; aluminum dial; full graduation; automatic stop. The center bearing holding the needle is jeweled, ensuring perfect accuracy and delicacy of movement.

Per Doz

No. 2910—Diam 1¾ ins, wt per doz ⅝ lb $31 50

One in cardboard box.

MAGNAPOLE

Nickel plated white metal case; white enameled dial; beveled crystal glass; full graduation; automatic stop. The center of needle is jeweled and operates on a ground steel point, which insures the greatest degree of accuracy and permanency.

Per Doz

No. 2911—Diam of dial 1⅞ ins $38 25

One in cardboard box; wt per doz about 1 lb.

GYDAWL

Nickel plated white metal hunting case, with beveled crystal glass; untarnishable silvered metal dial; flat-half-blued steel type needle, with jeweled center and stop which automatically lifts the needle of the special steel point on which it operates, directly the lid is closed.

Per Doz

No. 2914—Diam of dial 1⅞ ins $75 60

One in cardboard box; wt per doz about 1¼ lbs.

POCKET COMPASSES

CEEBYNITE

Nickel plated hunting white metal case with beveled crystal glass; aluminum dial of floating design, permanently luminous North and South points. Can be seen at night. The magnetic needle is attached to the under side, when the dial settles, all the magnetic directions are accurately read. The center is jeweled and the "stop" locks jewel and points when not in use.

Per Doz

No. 2917—Diam of dial 1¼ ins $100 50

One in cardboard box; wt per doz about 1¼ lbs.

MARBLE'S

Made with waterproof screw case. Bracket made like double safety pin. Can be fastened to coat, vest or belt, and balances accurately while walking; can not become erratic as a pocket compass.

Per Doz

No. 182—Brass box, 1¼ in. diam; stationary dial; agate bearing, needle stops, white celluloid dials printed in black; wt each about 1¼ ozs $41 40

One in cardboard box.

HEAD TORCHES

For Hunters and Fishermen.

Heavy tin; clamps over the head; used for either night hunting or fishing; two tubular tin burners to take miner's wick. Burns lard or coal oil, capacity oil pot about ¾ pint.

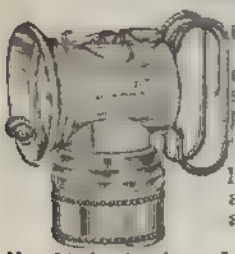
Per Doz

No. 1HF—Height of shield 8 ins $18 90

Half doz in cardboard box; wt per doz about 15 lbs.

CAMP LAMPS

JUSTRITE ACETYLENE



Gives a strong, steady, brilliant light; burns from 3½ to 4 hours.

Made in two parts, water reservoir and carbide container, drawn from seamless brass, nickel plated and highly polished; nickel silver reflector with lighter attachment.

Burner tip made of imported nickel lava; same as a Bunsen burner; with 4 air holes near tip; prevents clogging and carbonizing; requires no cleaning.

Per Doz

No. 100J—3 in. reflector; height 4 ins; diam bottom 2 ins; 18 candle power; extra carbide container, gasket, felt and two burner tips $44 40

One in wood box; wt complete 11 ozs.

JUSTRITE ACETYLENE

Gives a strong, steady, brilliant light; burns 3½ to 4 hours.

Made in two parts, water reservoir and carbide container, drawn from seamless brass, nickel plated and highly polished. Nickel silver reflector with lighter attachment forms part of water reservoir. Large hook and folding handles.

Burner tip made of imported nickel lava; same as a Bunsen burner; with 4 air holes near tip; prevents clogging and carbonizing; requires no cleaning.

Per Doz

No. 95J—3 in. reflector; height 4¾ ins; 20 candle power; extra carbide container; gasket, felt and two burner tips $59 40

One in carton; wt each 14 ozs.

CAMP LAMPS

GUYS DROPPER, SQUARELITE

Brass nickel plated and highly polished throughout; screw top carbide container at bottom of lamp, with heavy rubber washer to make a gas tight joint. Will burn about 4 hours. Has large hook and large folding handles. Can also be worn on the cap.

Reflector 3⅛ inches in diameter ¾ inch deep with sparker attachment; height over all 6¼ inches. Each container will hold about 2 ounces carbide.

Extra carbide container with cover is furnished with each lamp.

Per Doz

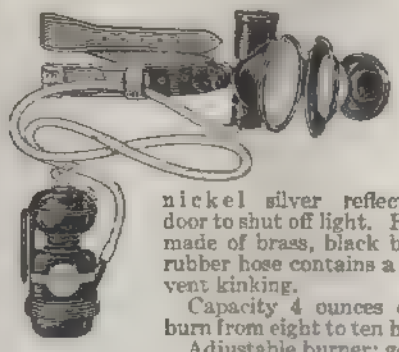
No. 100S—Wt per doz 12 lbs $57 00

One in wood box.

HUNTER'S HEAD LAMPS

BRILLIANT SEARCH LIGHT

For Carbide.



The generator which has the gas material is self adjusting and is absolutely safe. Head strap is adjustable.

Adjustable water feed, removable solid nickel silver reflector; hinged darkening door to shut off light. Head-light and generator made of brass, black baked enamel. 45 inch rubber hose contains a brass coil spring to prevent kinking.

Capacity 4 ounces carbide, one filling will burn from eight to ten hours

Adjustable burner; generator 6x2½ inches.

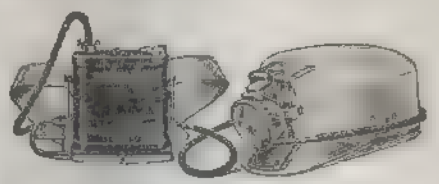
Each

No. 2SL—Single lens type, with 3⅝ in. lens .. $18 75

No. 2DL—Double lens type, with heavy magnifying 2 in. Bulls eye lens 21 00

One in wood box; wt 2¾ lbs.

JUSTRITE "Also Dept 3"



For Carbide.

Head light made of brass, nickel plated held to cap shield by hook and clasp, lens 2½ in diameter, ½ inch thick, set in ring frame, equipped with a ¾ foot imported fish tail lava tip and self-lighting attachment. Nickel silver reflector.

Generator—consists of two parts, water tank and carbide container, made of No. 20 gauge lead-coated steel; non-corrosive and non-rusting lock seamed and soldered 4½ inches high, 4½ inches long and 1¾ inches wide. Finished in black enamel

Complete with generator, headlight, rubber tube, belt and pins.

Burns 10 Hours on one Charge.

Per Doz

No. J44A—Complete, less cap $157 50

One in cardboard box; wt 2 lbs.

Wahl Self-Filling Fountain Pens

MADE AND GUARANTEED BY THE MANUFACTURERS OF THE EVERSHARP PENCIL

The Wahl Pen embodies the latest ideas and most scientific principles of fountain pen construction. Years of research and experimenting have developed this better pen. **Wahl Pen** stroke at first touch, no scratching or skipping, no pressure necessary to cause the ink to flow.

Chased hard rubber hand, built-in nickel plated vest pocket clip, gold-filled ring

J72566—With No. 2 14k gold pen with finest grade hard iridium point. . . . . Each 3 75
J72567—With No. 4 14k gold pen with finest grade hard iridium point. . . . . Each 5 00
J72568—With No. 6 14k gold pen with finest grade hard iridium point. . . . . Each 5 75

J72568—**The Wahl Signature Pen**, fitted with No. 6 Super manifold pen; gold filled band; self-filling lever and clip. Use pen for all types of exceptionally hard work and where two or three copies are wanted, a perfect pen that writes at the first touch. . . . . Each 10 00
J72570—As above, slightly smaller barrel with No. 4 pen otherwise the same. . . . . Each 7 50

Wahl All Metal Barrel Pens

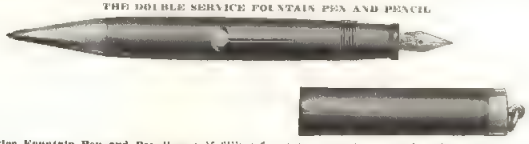
Wahl Gold Filled All Metal Barrel Fountain Pens; extra quality; gold filled Grecian border chasing with ring for fastening on chain or ribbon, suitable for men or women

J72571—Gold filled with No. 2 pen. . . . . Each 8 00
J72572—Sterling silver with No. 2 14k pen. . . . . Each 8 00
J72573—Green gold filled with No. 2 14k pen. . . . . Each 9 50

Regular Length Wahl Gold Filled All Metal Barrel Fountain Pens; extra quality; gold filled, Grecian border chasing

J72574—Gold filled with No. 3 14k pen. . . . . Each 9 50
J72575—Green gold filled with No. 3 14k pen. . . . . Each 10 50
J72576—Sterling silver with No. 3 14k pen. . . . . Each 9 50

THE DOUBLE SERVICE FOUNTAIN PEN AND PENCIL

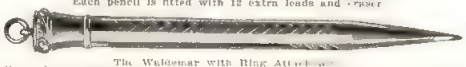


J72577—**The Double Service Fountain Pen and Pencil**; a self-filling fountain pen at one end and a magazine pencil at the other; pen has a 14k gold pen point, pencil propels and repels; guaranteed against mechanical defects, a first class article an ideal gift, with No. 2 14k pen and pencil. . . . . Each 2 75
J72578—Extra quality with No. 2 14k pen and pencil. . . . . Each 2 75

The New Model Eversharp Pencil

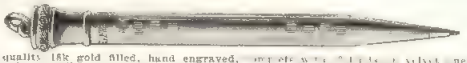
The famous magazine pencil that needs no sharpening

Each pencil is fitted with 12 extra leads and eraser

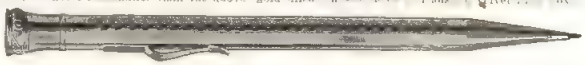


The Waldemar with Ring Attachment

J72579—**Eversharp Pencil**; plain silver plated, complete with 12 leads. . . . . Each 1 50
J72580—**Eversharp Pencil**; silver plated, chased, complete with 12 leads. . . . . Each 2 25
J72581—**Eversharp Pencil**; sterling silver, chased, complete with 12 leads. . . . . Each 4 00
J72582—**Eversharp Pencil**; gold filled, chased, complete with 12 leads. . . . . Each 4 75

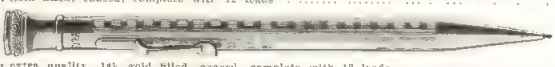


J72583—**Eversharp Pencil**; extra quality, 14k gold filled, hand engraved, complete with 12 leads, in velvet lined box. . . . . Each 6 50
J72584—**Eversharp Pencil**; midget size, smaller than the above; gold filled, complete with 12 leads, in velvet lined box. . . . . Each 4 75



Regular length Eversharp Pencil

J72585—**Eversharp Pencil**; plain silver plated, complete with 12 leads. . . . . Each 1 50
J72586—**Eversharp Pencil**; sterling silver, chased; complete with 12 leads. . . . . Each 4 00
J72587—**Eversharp Pencil**; gold filled, chased, complete with 12 leads. . . . . Each 4 75



J72585—**Eversharp Pencil**; extra quality, 14k gold filled, engraved, complete with 12 leads. . . . . Each 6 50
J72588—**Eversharp Pencil**; sterling silver, chased; complete with 12 leads. . . . . Each 8 00
J72590—Extra leads for Eversharp Pencils. . . . . Tube 20c

The above two numbers come in a fancy velvet lined box.

The New Improved Gillette SAFETY RAZOR

GILLETTE NEW PROCESS BLADES

J72501 10 blades in package **Package 1 50**
J72502—5 blades in package **Package 75c**

J7250X—Blindy-Decolette Razors for ladies' use. Imitation ivory case, old rose velvet lined, set consists of special size gold plated razor and blade box containing 12 double edge blades **Set 9 00**

BIG FELLOW

Selected natural finished gumwood case

J72588—Big Fellow; triple silver plated new improved Big Fellow Gillette safety razor, metal blade box **Set 7 50**

J72589—Big Fellow "G"; as above; gold plated **Set 9 00**

Above set contains 12 double-edged Gillette blades

TRAVELER

A Complete Shaving Outfit

Genuine leather case; purple velvet and satin lined

J72603—Traveler; triple silver plated new improved Gillette safety razor, shaving brush and stick Gillette shaving soap in metal container; 12 double edged Gillette blades in metal box **Set 11 25**

J72604—Traveler "G"; as above, gold plated, indestructible metal mirror fitted with pocket protector **Set 15 00**

BOSTONIAN

Metal case, purple velvet and satin lined, opening of cover automatically raises tray containing razor and blade box.

J72584—Bostonian; triple silver plated new improved Gillette safety razor; nickel plated case, metal blade box **Set 7 50**

J72585—Bostonian "G"; as above, gold plated **Set 9 00**

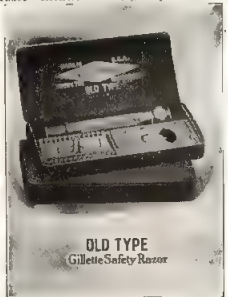
Above set contains 12 double-edged Gillette blades

RICHWOOD

Wood case; mahogany finish

J72600—Richwood; triple silver plated new improved Gillette safety razor, metal blade box, complete with 12 double edge blades **Set 7 50**

J72601—Richwood "G"; gold plated **Set 9 00**



J72605—Brownie Gillette; old type handle nickel plated with three regular Gillette blades, put up in a neat velvet lined case **Set 1 50**

NEW STANDARD

Genuine leather covered case, purple velvet and satin lined

J72596—New Standard; triple silver plated new improved Gillette safety razor, metal blade box **Set 7 50**

J72597—New Standard "G"; as above, gold plated **Set 9 00**

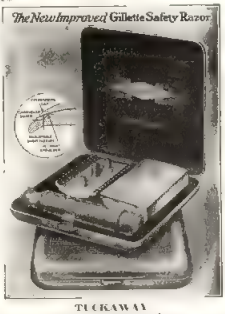
Above set contains 12 double edged Gillette blades

ARISTOCRAT

Imitation ivory case; purple velvet and satin lined

J72602—Aristocrat; gold plated new improved Gillette safety razor, blade box to match case **Set 9 00**

Above set contains 12 double edged Gillette blades



TUCKAWAY

A Small Compact Set.

Metal case, purple velvet lined

J72606—Tuckaway; triple silver plated new improved Gillette safety razor, metal blade box **Set 7 50**

J72607—Tuckaway "G"; gold plated **Set 9 00**

Above set contains 12 double edged Gillette blades

Riverside Fountain Pens
Unbreakable Pyralin

Something New
Fountain Pens
Made with Barrels and Caps of
Unbreakable Pyralin
Manufactured by
Du Pont Viscoloid Company

Only at Ward's Can You Buy Pyralin Pens at These Low Prices

In this catalogue we are offering Riverside Fountain Pens in the new Unbreakable Pyralin barrels and caps at 1/3 to 1/2 what you would be obliged to pay for pens selling from $1.50 to $10. All pens have a smooth writing 14 karat solid gold iridium tipped point of lasting durability. Only at Ward's can you get a Pen at these low prices.

Pens Are Slightly Larger Than Shown in Illustration

Postage on All Riverside Pens 5c Extra

WAHL

Riverside Specials

Riverside For School or Business

Riverside Unbreakable Pyralin In Red and Black

Riverside Student Special
Initialed Pen
98¢

Women's Chatelaine Pen with 12 Inch Black Silk Ribbon

Attractive Pen and Pencil Sets

Eversharp Pencils

Autopoint Pencils

Men's and Women's Gold Plated Octagonal Pencils

Women's Black Midget Pen with Ribbon

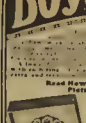
Women's Mounted Extra Fine Pens

Boys' and Girls' Rings

Read How to Order Rings on Page 399
Pictures Show Actual Size

Grown Up Styles for Boys and Girls

$1.87 Genuine Garnet | Solid Gold Signet $2.75



$1.98 Synthetic Ruby Attractive Ring for Girls

Synthetic Ruby $3.25

Solid 10-Karat white gold ring set with synthetic ruby. Engraved design. Sizes to 10.

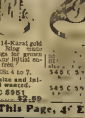
Sizes also wanted.
545 C 5925 $3.45
Postage, 4c extra

Beautiful solid 10-Karat white gold ring with imitation ruby set. Sizes to 10. Engraved design.

Sizes also wanted.
545 C 5918 $2.98
Postage, 4c extra

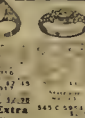
Solid 10-Karat white gold ring with genuine garnet set. Sizes to 10. Engraved design.

Sizes also wanted.
545 C 5952 $1.87
Postage, 4c extra



Solid 14-Karat gold Signet Ring. Sizes to 10. Engraved design.

Sizes also wanted.
545 C 5930 $2.75
Postage, 4c extra



Solid 14-Karat gold Signet Ring. Sizes to 10. Engraved design.

Sizes also wanted.
545 C 5916 $2.15
Postage, 4c extra

Solid 14-Karat gold Signet Ring. Sizes to 10. Engraved design.

Sizes also wanted.
545 C 5931 $2.98
Postage, 4c extra

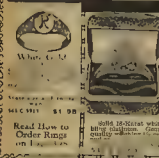
Solid Green Gold Signet

Sizes also wanted.
545 C 5924
Postage, 4c extra

Sizes also wanted.
515 C 5920 $3.15
515 C 5921 $3.15
515 C 5922 $3.15
Postage, 4c extra

Postage for Each Ring on This Page, 4c Extra

Genuine Diamonds



White Gold

Read How to Order Rings on Page 399

Prong Vers Low

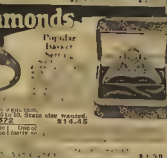
Solid 10-Karat white gold ring. Very pretty mounting. Genuine diamond of sparkling quality.

545 C 2871 $7.65
Postage, 4c extra

Popular Basket Setting

Solid 14-Karat white gold Ring with Low Shoulders and one fine sparkling genuine diamond.

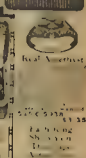
Sizes also wanted.
545 C 5872 $14.45
Postage, 4c extra



Real Artcraft

Solid 14-Karat white gold Ring with Low Shoulders and one fine sparkling genuine diamond.

Sizes also wanted.
515 C 5918 $1.35
Postage, 4c extra



Solid 14-Karat white gold Ring with Low Shoulders and one fine sparkling genuine diamond.

Sizes also wanted.
515 C 5919 $1.98
Postage, 4c extra

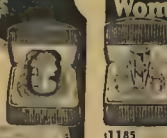
Genuine Cameo Rings

Carved and white cameo, carved on black onyx.

Sizes also wanted.
545 C 5923 $4.75
Postage, 4c extra

Brown and white cameo. Engraved design on black onyx.

Sizes also wanted.
545 C 5922 $4.95
Postage, 4c extra

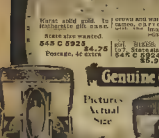


Genuine Cameo. Brown and white cameo on black onyx. Engraved design.

Sizes also wanted.
545 C 5923 $5.95
Postage, 4c extra

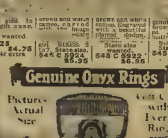
Genuine Onyx Rings

Pictures Actual Size



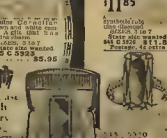
Solid 14-Karat white gold. Set with onyx. Also set in white.

545 C 2583 $11.95



Genuine, black

545 C 2588 $10.35



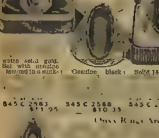
Solid 14-Karat white

545 C 5866 $12.75

Solid 14-K white

With a platinum finish

545 C 2662 $15.95



545 C 2569 $13.85

545 C 2564 $8.85

Onyx Rings Are Preferred by Many

Postage for Each Ring on This Page, 4c Extra

Women's Solid Gold Rings

$11.85

Synthetic ruby and diamond. Sizes to 7.

545 C 5872 $11.85
Postage, 4c extra

Solid 14-K white gold. Genuine diamond.

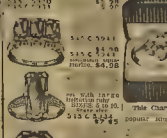
Sizes also wanted.
515 C 5919 $1.98
Postage, 4c extra

Solid 10-K gold. Set with genuine garnet. Sizes to 10.

Sizes also wanted.
545 C 5925 $2.98
Postage, 4c extra

Solid 10-K gold. Set with genuine garnet. Sizes to 10.

Sizes also wanted.
545 C 6083 $3.98
Postage, 4c extra

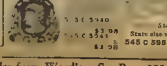


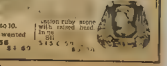
Solid 10-K gold. Set with genuine garnet. Sizes to 10.

Sizes also wanted.
545 C 5923 $3.98
Postage, 4c extra

Solid 10-K gold. Set with genuine garnet. Sizes to 10.

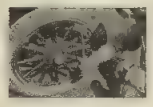
Sizes also wanted.
545 C 5932 $3.98
Postage, 4c extra

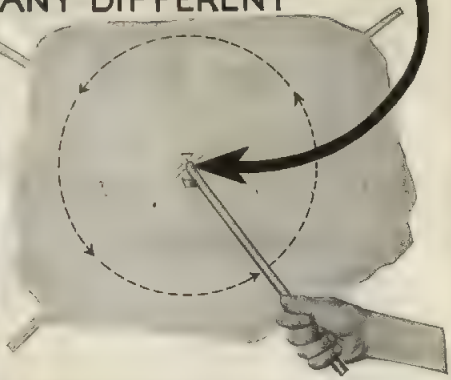




THE SWIVEL ACTION

OF THE HANDLE ALLOWS ITS USE AT MANY DIFFERENT ANGLES





AN INNOVATION IN SOCKET WRENCHES

The new feature—the swivel action of the handle—makes it one of the most useful wrenches we have ever brought out because it can be used in many different positions and on many different cars.

Two Stock Numbers:

No. 774—$\frac{3}{8}$" Hex.—will reach Fourth Connecting Rod on Fords *with crank shaft in any position.*

No. 775—$\frac{3}{8}$" Sq. — will reach Front Main Bearing and Center Main Bearing on Fords *without taking the motor out.*

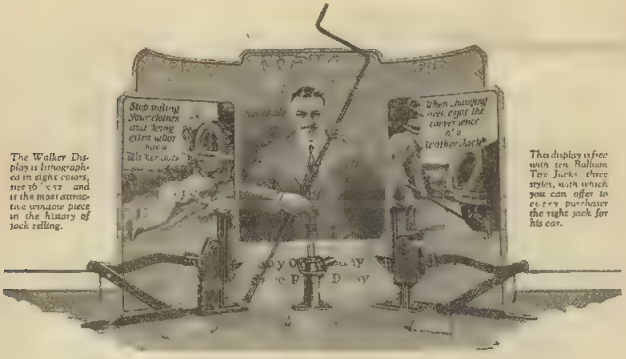
Ask your Jobber or write us for catalog No. 225 A

WALDEN BULLETIN WRENCHES

WALDEN-WORCESTER

The original and largest exclusive manufacturers of All Steel Socket Wrenches—in the World

475 SHREWSBURY ST., WORCESTER, MASS., U. S. A.


The Walker Display is lithographed in eight colors, size 36 × 42 and is the most attractive window piece in the history of jack selling.
This display is free with ten Balloon Tire Jacks—three styles, with which you can offer to every purchaser the right jack for his car.

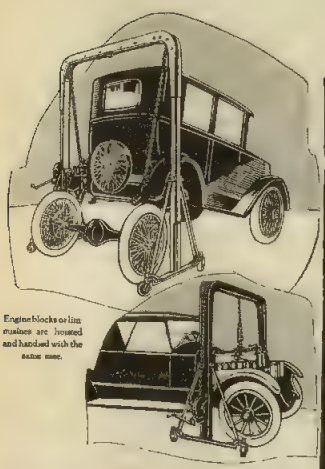
Let me place a Walker Jack Display in your window, and I will create in the mind of every one who passes your store, a desire to own a Walker Jack, because I will illustrate to him the difference between his jack and the one he ought to have to make tire changing easy. By doing this, I will show you the way to increase your jack sales and profits • • •

Willard Walker
President.

Walker JACKS
"Dependable in Service"

Walker Manufacturing Co.
Racine, Wisconsin

100% Hoisting Service Inside or Outside Your Shop



Engine blocks or limousines are hoisted and handled with the same ease.

This is a hoist that's never in the way—never occupies space you need for something else. You move *the hoist to the job*, and not the job to the hoist.

In crowded shops it's a big help because when not in use, you can straddle it over a car somewhere else in the place.

The safety screw hoist supplies tremendous lift strength. And the worm drive mechanism which permits raising or lowering a fraction of an inch at a time, also makes slipping impossible.

Without other power you can hoist anything from a big limousine to a Ford engine block with ease, indoors or out-of-doors. And it is tip-proof—slip-proof—safe.

Weaver Mfg. Company
Springfield, Illinois, U. S. A.
Weaver Canadian Co., Ltd., Chatham, Ontario

There's a lot to tell you that we can't put into an ad. Where'll we send it?

WEAVER AUTO HOIST

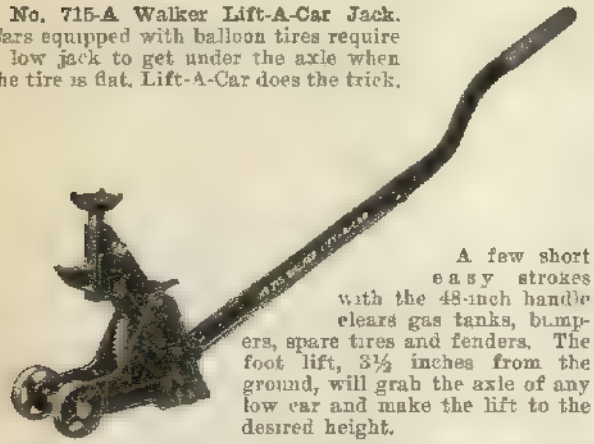
Ask your Jobber's Salesman

...He's a **WEAVER Representative**

ADV. RICHARD-BOSER, INC., N. Y.

WALKER GARAGE JACKS

WALKER LIFT-A-CAR JACK



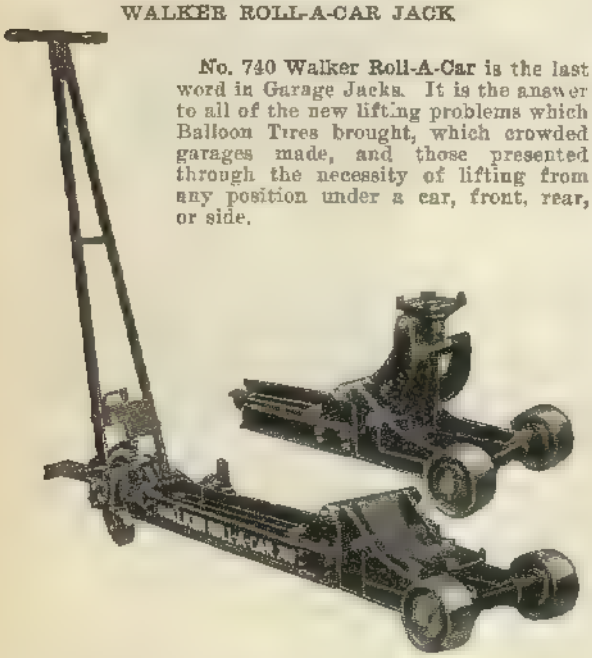
No. 715-A Walker Lift-A-Car Jack. Cars equipped with balloon tires require a low jack to get under the axle when the tire is flat. Lift-A-Car does the trick.

A few short easy strokes with the 48-inch handle clears gas tanks, bumpers, spare tires and fenders. The foot lift, 3½ inches from the ground, will grab the axle of any low car and make the lift to the desired height.

Lift-A-Car will lift one wheel of the heaviest car with ease. All working parts are sturdy. The pawls and cap are drop forgings; the lifting segment and racks are hardened steel. The frame is of malleable iron.

No. 715-A Walker Lift-A-Car Jack. Height: Cap, 7¼ in.; Foot, 3½ in.; raise, 8½ in.; extended raise, 3 in., extended height: Cap, 10 in.; foot, 12 in.; capacity, 1 ton. Weight, 50 pounds.each **$17 50**

WALKER ROLL-A-CAR JACK

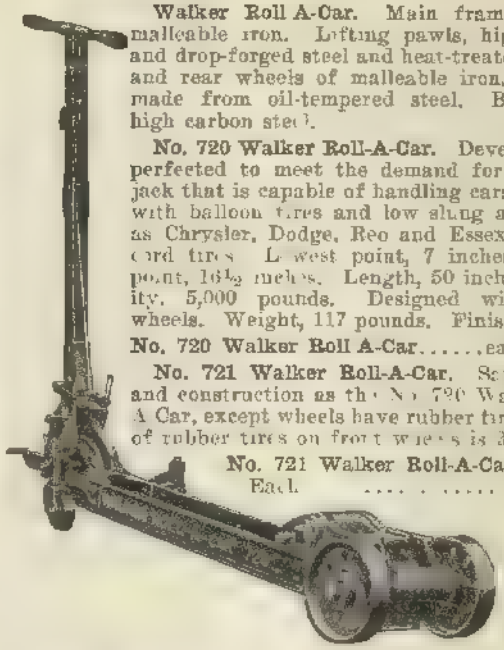


No. 740 Walker Roll-A-Car is the last word in Garage Jacks. It is the answer to all of the new lifting problems which Balloon Tires brought, which crowded garages made, and those presented through the necessity of lifting from any position under a car, front, rear, or side.

The exclusive safety features embodied in this new Roll-A-Car, which prevent injury to operator or damage to a car while being lifted or lowered, the automatic reverse which operates when the high lifting point is reached, preventing damage to the Jack, and the means of disengaging the handle while the car rests on the Jack, are the greatest steps in advance in the history of Garage Jack building. Low lifting point, 5 inches; raise under power, 12 inches; maximum height, 17 inches; capacity, 5,000 pounds; weight, 120 pounds.

No. 740 Walker Roll-A-Car.....each **$36 00**

WALKER ROLL-A-CAR JACKS



Walker Roll A-Car. Main frames are of malleable iron. Lifting pawls, high carbon and drop-forged steel and heat-treated. Front and rear wheels of malleable iron. Springs made from oil-tempered steel. Back bars, high carbon steel.

No. 720 Walker Roll-A-Car. Developed and perfected to meet the demand for a garage jack that is capable of handling cars equipped with balloon tires and low slung axles, such as Chrysler, Dodge, Reo and Essex Six with cord tires. Lowest point, 7 inches; highest point, 16½ inches. Length, 50 inches; capacity, 5,000 pounds. Designed with 7-inch wheels. Weight, 117 pounds. Finish, blue.

No. 720 Walker Roll A-Car.....each **$36 00**

No. 721 Walker Roll-A-Car. Same design and construction as the No. 720 Walker Roll-A-Car, except wheels have rubber tires. Width of rubber tires on front wheels is 3¼ inches.

No. 721 Walker Roll-A-Car.
Each **$50 00**

No. 725 Walker Roll-A-Car. Designed with 8 inch wheel for very uneven floors, has an additional ½ inch ground clearance. Lowest point, 7½ in.; highest point, 17½ in. Capacity, 5,000 pounds. Weight, 118 pounds. Finish, blue.

No. 725 Walker Roll-A Car..... .....each **$36 00**

WALKER ROLL-A-TRUCK JACK

No. 745 Walker Roll-A-Truck Jack. Designed to carry the maximum load required in lifting and moving heavy busses and trucks. The extremely low lift, the high raise, the long handle with short stroke and leverage, compounded through gears, makes it possible for one man to make the heaviest lifts.

The construction of all parts is massive. The wheels are on roller bearings, and the pivot bearings are bushed; steel, malleable iron, and forgings are used in their proper places, with the idea of having a jack that will withstand continual and severe service. Weight, 240 pounds; length, 68 inches; low point, 5½ inches; high point, 16¾ inches; capacity, 6 ton; wheels, 5 inches.

No. 745 Walker Roll-A-Truck.....each **$125 00**

GARAGE JACKS, TOWING DEVICES AND TIRE CHANGER

STANDARD QUICK-LIFT JACK

No. 60 Standard Quick-Lift Service Jack. It is balanced just right so that with a slight leverage on the long 6-foot well-braced handle an automobile can be easily lifted. The long handle is of heavy pipe construction, which will not bend or break under load. This jack is of malleable iron construction, giving strength and durability. The braces from the frame to the handle give a greater leverage against the load, resulting in extreme ease of operation. Rack bar, lowered, 10½ inches. Rack bar, extended, 17 inches. Weight, 31 pounds. Wheels 3 inches; width over all, 7½ inches.

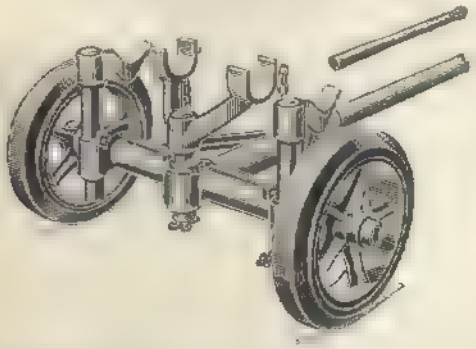
No. 60 Standard Quick Lift Jack.....each $7 15

STANDARD BALLOON TIRE GARAGE JACK

No. 67 Standard Lo-Lift Balloon Tire Garage Jack. It will take axles as low as four inches from the ground and raise them to a point of sixteen inches. The jack can be operated at the side of the car beneath the running board, and is especially adapted for use in congested spaces. Length, over all, 63 inches; width, 17 inches. Length of handle, 40 inches. Height, down, 4 inches; height, raised, 16 inches.

No. 67 Standard Balloon Tire Garage Jack...each $45 00

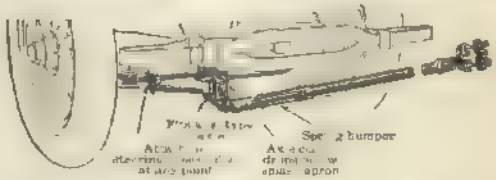
STANDARD TOWING TRUCK



No. 70 Standard Towing Truck. For trucks and autos. All uprights are of the best steel and will carry an auto. The axle shaft is made from cold-rolled steel, with long roller bearings enclosed in steel sleeves and connected to the wheels in such a manner that either wheel or axle may rotate to accommodate proper movements of the truck. Width, over all, 36 inches. Steel wheels, 14x3 inches. Rubber tired wheels, 16x3½ inches. Tongue closed, 7 feet 3 inches; tongue extended, 12 feet.

No. 70 Standard Towing Truck, steel wheels..each $65 00
No. 70 Standard Towing Truck, rubber wheels " 85 00

STANDARD ONE-MAN TOWING POLE



No. 75 Standard One-Man Towing Pole. The only model that can be universally used for all cars. The guiding arrangement can be firmly fastened to the towed car's axle and steering cross tube, not interfering with the splash apron. The steering attachment bar and clamp can be adjusted either in front or just at the rear of the axle clamp, depending upon the splash apron conditions. A heavy coil spring is inserted in the pole to absorb the shock of starting and stopping and in running over rough roads. Length, 6 feet 8 inches. Diameter, 1⅝ inches.

No. 75 Standard One-Man Towing Pole.....each $30 00

WALKER TIRE CHANGER

Walker Tire Changer. Removes tires from all rims, disc or wire wheels. Its many points of advantage, particularly its foot-operated hook, put this tire changer in a class by itself for speed and ease of operation. The foot-operated hook leaves both hands free. Four sets of jaws grip the rim, top and bottom, which prevents twisted rims. The turning feature for revolving tire with index head allows tire to revolve continuously or to be held firmly in any one position. Furnished with wood platform.

A Walker Tire Changer placed in service in any garage or tire shop will prove itself to be the simplest, fastest and most practical way of handling all tire removal problems. The important feature of the tire changer is that its hook is foot operated, leaving both hands free. Also the vertical screw which provides a quick, easy means of expanding and contracting split rims and for gripping wire, disc or solid rims.

Walker Tire Changer. ....complete $50 00

Guaranteed To Wear 6 Months

How These Shoes Are Made
1—Soft, Heavy Barnyard Proof Retan Leather Uppers. 2—Solid Leather Counters. 3—Solid Leather Heel. 4—Full Vamp, Not Cut Off Under Tip. 5—Smooth, Even Inner Leather Insole. 6—Oak Leather Outsole, Green Chrome Second Sole from Toe to Rear of Heel. 7—Hard Box Toe.

Brown or Black Elk Leather
$1.79

$3.39

Every year more than 100,000 customers buy these Work Shoes with a six months' guarantee. Many of these customers have been buying them for a score of years. The reason for this great demand and continued popularity must be that this shoe offers exceptional value. We know that it is a great value; and if you have not yet tried them, we suggest that you order a pair now.

This Guarantee Covers Style 24C 1828 and 24C 1825 only

Men's and Boys' Scout Shoes

The ... Brown Leather
24C 1831 $ to 12 ... $2.49
24C 2243 1 to 5½ ... 1.79
24C 2244 6 to 12 ... 1.79

Black Leather
24C 1841 $ to 12 ... $2.49
24C 2245 1 to 5½ ... 1.98
24C 2246 6 to 12 ... 1.79

Postage, 16c extra

Read "How to Order" on Page 230

Leather Outside Counter

Leather and Fiber Sole
A ... Work Shoe that will give ... comfort. Heel ... Brown ... Sizes 1 to 12 ... State size wanted
24C 1825 ... $2.39
Postage, 16c extra

Crepe Sole Scout Shoe
A pair of these Scout Shoes will make ... Brown ... Sizes 1 to 12 ... State size wanted
24C 1828 ... $2.98
Postage, 16c extra

Men's and Boys' Durable Work Shoe
A Work Shoe ... Brown ... Sizes 1 to 12 ... $2.98
24C 2342 ... $2.98
Postage, 16c extra

Our Shoe Guarantee
We guarantee that ... Work Shoes are ... Satisfactory in ... If ... we will gladly ... Should they ... months, our guarantee to replace them with a new pair ... Satisfaction Guaranteed or Your Money Back

Ward's Special Farm Shoes

... Two of our leading values in ... because of the ... Sizes 1 to 12 ... State size wanted
24C 1844 ... $2.49
24C 1846 ... $2.49
Postage, 16c extra

Soft Toe Plain or Tip
$2.49

Walk On a Soft Cushion of (Pure Gum) Crepe Rubber

Fiber

Munson Army Last

$3.49

Genuine Goodyear Welt

... Sizes 1 to 12 ... State size wanted
24C 1822 ... $3.49
Postage, 16c extra

Crepe (Pure Gum) Soles

$3.39

Genuine Goodyear Welt

... Sizes 1 to 12 ... State size wanted
24C 1826 ... $3.39
Postage, 16c extra

Lend This Catalogue to Your Neighbors

Ward's Benefactor High Quality Rubber Footwear

All Rubber Hi-cut
A 16-inch all black rubber Hi-cut with full corduroy lining. Patent Pressure Process cured. Snug, roomy fit around ankle and instep. Wide sole tread for safety. Heavy duck upper. Will not crack or get sticky. A very good value and very popular for lumbermen and factory people.
SIZES 4 to 12. No half sizes. State size.
26C4655 $4.69
Postage, 16c extra

Fine Leather Top
All long wearing rubber Hi-cut with full corduroy lined. Full grain, heavy soft upper with extra heavy leather top. Snug, roomy fit around ankle and instep. Wide sole tread for safety. Heavy duck upper. Will not crack or get sticky. Fine for lumbermen and factory people. Soft and warm. Full 16-inch height.
SIZES 4 to 12. No half sizes. State size.
26C4615 $5.38
Postage, 16c extra

No Seam in Back of Leather Top

One-Piece Upper Extra Thick Soles

Extra Thick Patent Pressure Process Cured Rubber Soles

Crepe Rubber Soles

State Size Wanted

Men's One and Four Buckle Arctics

Men's Black Short Boot

$3.98

Uppers are Reinforced at Points Where the Wear is Hardest

Height About 10 Inches

The Test Is in Wearing These Boots

These boots are built to stand the test of wear and tear, cold and wet. Made of the finest oil tanned soft pliable upper leather and 3 inch Patent Pressure Process cured sole and heel of rubber and reinforced all over with 3 ply duck. Soles are extra thick for double wear. Heels are extra high for double comfort. Boots are extra roomy but fit snug around instep and ankle so there is no chance for cold air to enter. Boots are short enough to be worn comfortably with trousers rolled or not rolled. Short enough to be worn with leggings. Long enough to be worn with overalls. Order by number and state size wanted.

Boots for Men
26C4311 Black short . . . SIZES 6 to 13 $3.98
26C4312 Black short . . . SIZES 6 to 13 3.98
26C4313 Tan short . . . SIZES 6 to 13 3.98
26C4314 Tan short . . . SIZES 6 to 13 3.98
26C4312 Black short . . . SIZES 6 to 13 5.89
Boots for Boys
26C4196 Black short, heavy duck, 1 buckle $3.29
26C4197 Black short, heavy duck, 2 buckle 3.49
Postage: Short boots, 24c extra. Storm King, 34c extra. Short boots, 14c extra

Leather Top Storm Shoe

Leather Top Over Rubber

Leather tops are soft, pliable and roomy. Made with a red rubber sole and heel. Heavy duck lining. Heavy duck bottom. Snug around ankle and instep. Order by number and state size wanted.
SIZES 5 to 12. No half sizes. State size.
26C4602 $3.25
Postage, 16c extra

Leather tops are soft, pliable and roomy. Made with a red rubber sole and heel. Heavy duck lining. Heavy duck bottom. Snug around ankle and instep. Order by number and state size wanted.
SIZES 5 to 12. No half sizes. State size.
26C4606 $3.95
Postage, 16c extra

Extra Thick Red Rubber Sole
Our best quality one and four-buckle rubberette leg Arctics for heavy wear. Full snow excluder cloth on top, rear and front. Heavy duck bottom lining. Red rubber sole extra long heel.
SIZES 5 to 12. No half sizes. State size wanted
26C4423 Four-buckle $3.49
26C4425 Two-buckle 2.49
Postage, 16c extra

Men's Red Rubber 4 Buckle Arctic

$3.29

Child's Red Rubber Boot
Black, warm lined, with red rubber sole and heel for extreme wet weather. Full 10 inches high. Sizes 11 to 2 and 3 to 7 are sold extra wide. No half sizes except 13½.
26C4370 11 to 2 $1.79
26C4371 3 to 7 $1.79
Postage, 16c extra.

All Rubber Hi-cut Work Shoes Patent Pressure Process Cured

$3.49

Read "How to Order" on Page 223

Perfect Fitting, Leather Puttees

2-Buckle Red Rubber Arctic

One of our best and most popular Arctics for farmers and outdoor workers. Five-buckle top. Made in one piece of red rubber. Wide flange sole. Heavy duck lining. Wide heel. Order by number and state size wanted.
SIZES 7 to 15
26C4469 $4.30
Postage, 16c extra

Extra Wear In Every Pair
These all rubber Hi-cut Work Shoes made by the Patent Pressure Process are extra heavy. Soles are extra thick for long wear. Uppers are soft and pliable and will not crack. Heavy duck lining adds warmth and wearing quality. Heavy duck bottom lining. Order by number and state size wanted.
SIZES 6 to 13. No half sizes.
26C4460 Red $3.49
26C4462 Black 3.49
Postage, 16c extra

Growing boys like leather Puttees. Made of 13 oz. duck. Full 13 inches high. Adjustable. No buckle to wear out.
SIZES 12 to 2
27C4130 $3.89
Postage, 16c extra

Fine cotton duck. Adjustable. No buckle to wear out.
SIZES 13½ to 16—by half sizes
27C4132 $3.69
Postage, 16c extra

Cordovan leather. For dress wear. Adjustable. No buckle to wear out.
SIZES 13½ to 16—by half sizes
27C4140 $4.59
Postage, 16c extra

Men's and Boys' Combination Leather Work Shoe and Moccasin

Thick Strong Soles

Men's and Boys' Leather Puttees Bargain Prices

$1.98

Those leather Puttees are extremely well made of good, soft leather. Have smooth tongues with no buckles to wear out. Thoroughly reinforced at ends. Are extra roomy. Order by number and state size wanted.
SIZES 12 to 17 inches
27C5120 $2.19
Postage, 16c extra

$1.59

Heavy Rubber for Outdoor Wearers
Heavy all rubber Hi-cut with full corduroy lining. Soles are extra thick for long wear. Uppers are soft and pliable and will not crack. Heavy duck lining adds warmth and wearing quality. Heavy duck bottom lining. Order by number and state size wanted.
SIZES 6 to 13. No half sizes.
26C4460 Red $3.49
26C4462 Black 3.49
Postage, 16c extra

Cloth and Rubber One-Buckle Arctic
Uppers of heavy cloth with rubber strip around bottom. Heavy duck lining. Heavy duck bottom lining. Heavy rubber sole and heel. Order by number and state size wanted.
SIZES 6 to 11. No half sizes. State size.
26C4480 Black
$2.59
Postage, 16c extra

$2.59

It Is Easy to Order from Ward's. See Page 329

C3C31

Save at Least 1/3

$26.95 Cash
Ivory Bed, Coil Spring & Mattress Complete

Extra Under Felt Mattress Heavy Fine Ticking

Description and Prices on Opposite Page

Tested and Approved by the Department of Household Engineering Good Housekeeping Institute and Published in Good Housekeeping Magazine

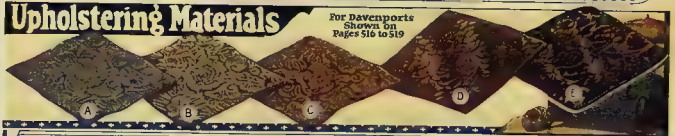
$5.00 Down and Five Dollars a Month — Bed Outfit or Kitchen Cabinet

89¢ A Running Yard 6 ft Wide

$43.95 Golden Oak Cash Price Kitchen Cabinet

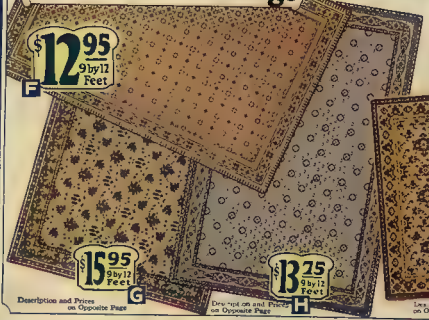
Upholstering Materials

For Davenports Shown On Pages 516 to 519



Genuine Linoleum Rugs

In a Large Range of Sizes



$12.95 9 by 12 Feet
F

$15.95 9 by 12 Feet
G

Description and Prices on Opposite Page

$13.75 9 by 12 Feet
H

Description and Prices on Opposite Page

Inlaid Linoleum Rugs

$12.95 9 by 12 Feet
J

Description and Prices on Opposite Page

$15.95 9 by 12 Feet
K

Description and Prices on Opposite Page

WASHINGTON AXES

This axe is tempered by a special process that adds strength to the steel but does not make it brittle. It will stand harder usage than any other axe ever put on the market and is intended for the experienced chopper.

SINGLE BIT, DAYTON PATTERN

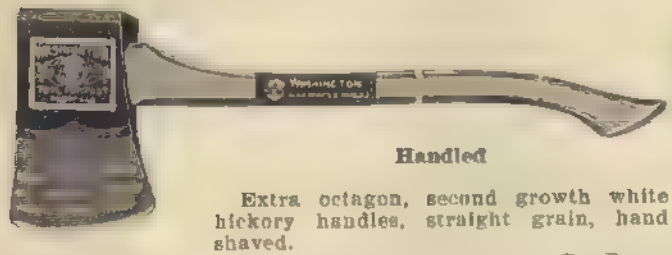
Unhandled

Best grade high carbon solid crucible steel; hand hammered, tempered and sharpened; eye punched from solid steel, not welded; tapered eye.

Body enameled dead black with red enameled border, labeled; bit and head straw color tempered steel finish with oxidized effect; polished cutting edge.

			Per Dozen
3	to 3½	pounds assorted	$32.00
3	to 4	pounds assorted	32.00
3½	to 4½	pounds assorted	33.00
4	to 5	pounds assorted	34.00

One dozen in a box.



Handled

Extra octagon, second growth white hickory handles, straight grain, hand shaved.

			Per Dozen
3	to 3½	pounds assorted	$44.00
3	to 4	pounds assorted	44.00
3½	to 4½	pounds assorted	45.00
4	to 5	pounds assorted	46.00

Half dozen in a crate, handles wrapped.

SINGLE BIT, MICHIGAN PATTERN

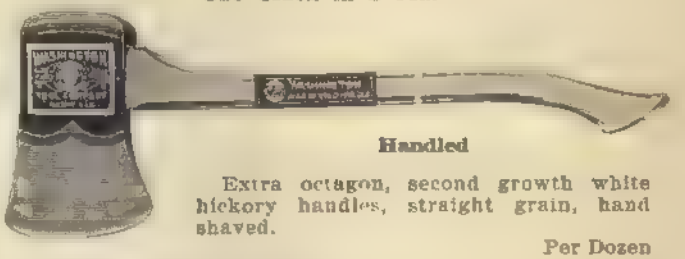
Unhandled

Best grade high carbon solid crucible steel; hand hammered, tempered and sharpened; eye punched from solid steel, not welded; tapered eye.

Body enameled dead black with red enameled border, labeled; bit and head straw color tempered steel finish with oxidized effect; polished cutting edge.

			Per Dozen
3	to 3½	pounds assorted	$32.00
3	to 4	pounds assorted	32.00
3½	to 4½	pounds assorted	33.00
4	to 5	pounds assorted	34.00

One dozen in a box.



Handled

Extra octagon, second growth white hickory handles, straight grain, hand shaved.

			Per Dozen
3	to 3½	pounds assorted	$44.00
3	to 4	pounds assorted	44.00
3½	to 4½	pounds assorted	45.00
4	to 5	pounds assorted	46.00

Half dozen in a crate, handles wrapped.

DOUBLE BIT, WESTERN PATTERN

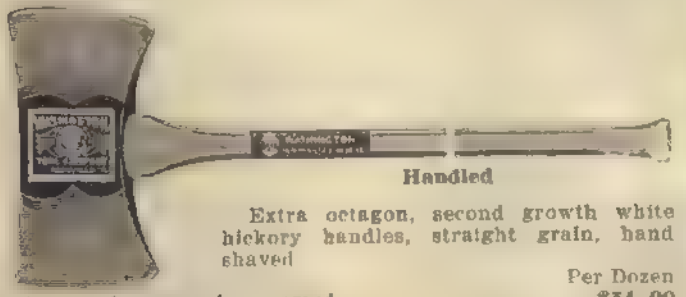
Unhandled

Best grade high carbon solid crucible steel; hand hammered, tempered and sharpened; eye punched from solid steel, not welded; tapered eye.

Body enameled dead black with red enameled border, labeled; bits straw color tempered steel finish with oxidized effect; polished cutting edges.

			Per Dozen
3	to 4	pounds assorted	$42.00
3½	to 4½	pounds assorted	43.00
4	to 5	pounds assorted	44.00

One dozen in a box.



Handled

Extra octagon, second growth white hickory handles, straight grain, hand shaved.

			Per Dozen
3	to 4	pounds assorted	$34.00
3½	to 4½	pounds assorted	35.00
4	to 5	pounds assorted	36.00

Half dozen in a crate, handles wrapped.

DOUBLE BIT, MICHIGAN PATTERN

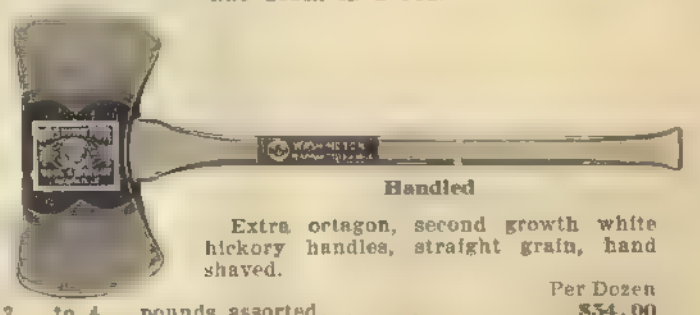
Unhandled

Best grade high carbon solid crucible steel; hand hammered, tempered and sharpened; eye punched from solid steel, not welded; tapered eye.

Body enameled dead black with red enamel border, labeled; bits straw color tempered steel finish with oxidized effect; polished cutting edges.

			Per Dozen
3	to 4	pounds assorted	$42.00
3½	to 4½	pounds assorted	43.00
4	to 5	pounds assorted	44.00

One dozen in a box.



Handled

Extra octagon, second growth white hickory handles, straight grain, hand shaved.

			Per Dozen
3	to 4	pounds assorted	$34.00
3½	to 4½	pounds assorted	35.00
4	to 5	pounds assorted	36.00

Half dozen in a crate, handles wrapped.

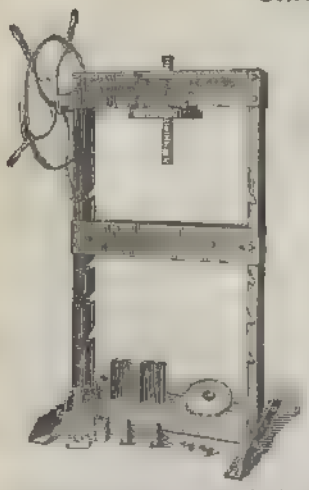
Department No. 1

MECHANICS EDGE TOOLS

KEITH-SIMMONS CO., INC.
NASHVILLE, TENN.

PRESSES

CHAMPION



30 Ton Capacity.

Very powerful, for garage and general shop work. Built of 5 inch channel steel uprights; cross bars 6 inches wide and ⅝ inches thick; leverage 1500 to 1. One hundred pounds exerted on hand wheel develops seventy-five tons pressure on screw, making it possible to straighten or pull all classes of work. The hand wheel is geared 3 to 1, with heavy enclosed bevel gears operating a 2 inch diameter; 4 pitch acme screw. The hand wheel being geared 3 to 1 gives the operator three times the power with the same effort, or will do the same work with one third the effort. The hand wheel weighing 57 lbs., is used as a fly-wheel to run the spindle up or down quickly, acting as a quick return. The table can be raised or lowered by one man, without removing bolts or pins, by merely lowering or raising one side at a time to reach desired. The bolted frame acts as a safety device in case press is overtaxed.

No.	A-30CP
Height of frame, ins	65
Up and down travel of spindle, ins	9
Floor space, ins	36x39
Wt each, lbs	485
Each	✦$225 00

Crated.

MOTOR SERVICE PRESSES

WEAVER

Many Tools In One.

Malleable iron frame; accurately milled screw provided with hardened steel thimble at lower end to prevent marring; chrome nickel steel pinion, heat treated.

Hand lever is provided with automatic locking device to prevent its sliding out of pinion. Head of press adjustable to any desired position on the swivel base and locked securely by clamp. Complete with brake reliner, including two punches and dies for No. 8 and No. 10 rivets; pressure plate; straightening fixtures with two V blocks and post for mounting dial gauge; test block and one arbor to fit connecting rods 1¼ inches and 1¾ inches.

Designed to supply in one compact unit a convenient means of handling light pressure and straightening work, [illegible] complete grinding, straightening and broaching, relining brake bands and disc clutches and handling more quickly and efficiently innumerable jobs that come in daily.

Each

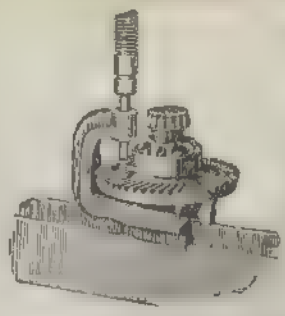
No. A-125—Maximum diam of work 13 ins; capacity over 1 in. plate, 10 ins; floor space 18x22½ ins; rack and pinion leverage 40 to 1; pressure capacity up to 10,000 lbs $450

Crated; wt each 870 lbs.

✦F. O. B. Pennsylvania Factory Only.

RING GEAR RIVETING TOOLS

WEAVER



To Be Used With Any Forcing Press of 20 Tons Capacity or Over.

Malleable iron frame; ram and die made of chrome vandium steel, heat treated.

Fits all size rivets used on ring grars.

Differential assembly is held level by two adjustable screws.

Each

No. A-12—Wt each 45 lbs.. $39 00

Crated

HOISTS

WEAVER'S

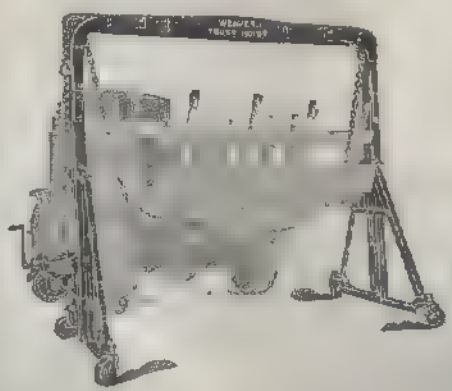
Constructed of heavy channel steel, with the arch reinforced on either side by heavy steel plates. The hoisting mechanism is operated by worm drive which is absolutely safe and positive. No gears or ratchets to slip or break and allow the load to fall. Can be run into position over a car in a crowded shop without requiring more than 12 to 14 inches space on either side of the car.

The frame is designed so as to permit the height of the arch to be increased approximately 24 inches; this enables the hoisting of the rear end of a car with the top up, or removing the rear system.

Each

No. A-7AH—Lifting capacity 4000 lbs for double suspension and 3000 lbs for single suspension; distance between uprights 6½ ft; minimum height 7½ ft; maximum height 9 ft 2 ins $390 00

Ship wt 555 lbs.



WEAVER'S

Constructed of heavy channel steel, with the arch reinforced on either side by heavy steel plates.

The hoisting mechanism is of the well-known worm drive type which not only supplies an enormous leverage for raising the load, but also makes it absolutely impossible for the load to be accidentally released and allowed to fall. There are no ratchets or dogs to break or slip and the load is held securely elevated in any desired position. In addition to the safety feature, this construction has the advantage of allowing the burden to be raised or lowered the minutest fraction of an inch and held firmly in that position as long as desired.

Has a compound leverage giving a lifting leverage of 400 to 1. An auxiliary lever operated directly onto the drum enables the chain to be adjusted to the load very rapidly.

Each

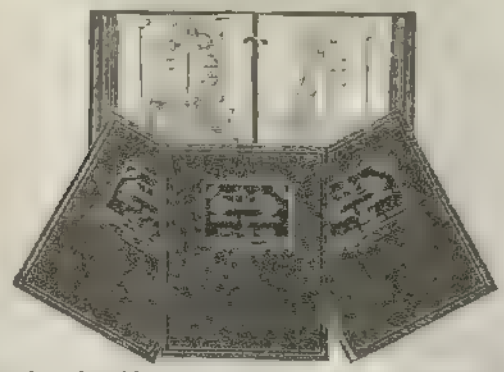
No. A-8TH—Lifting capacity 6000 lbs for double suspension and 4000 lbs for single suspension; width between frame 8 ft 4 ins; minimum height, 8 ft 4 ins; maximum height 10 ft ..... ✦$645 00

Ship wt 900 lbs.

✦F. O. B. Illinois Factory Only.

AUTOMOBILE SERVICE MANUALS

EXTERNAL WIRING DIAGRAMS



Printed on durable paper, each line distinct, each unit placed as it is on the car. No symbols. Easy to read and understand. The loose leaf form permits the adding of new diagrams without the necessity of buying a new book every few months.

	Each
No. A-40EWD -Vol I-1912-13-14	+$8 25
No. A-41EWD—Vol. II-1915-16	+ 8 25
No. A-42EWD—Vol. III-1917-18-19	+16 50
No. A-43EWD –Vol. IV-1920	+18 00

SINGLE DIAGRAMS

For any American made motor car.

Note—When ordering please state year, model and make of car.

	Each
No. A-46SDEW—Worked on best grade paper	+$1 65

Packed loose.

AUTOMOBILE ENCYCLOPEDIAS

DYKES

Especially adapted for repairmen and car owners; gives full detail of all repairing. Engines, carburetors, clutches, rear axles, differentials, tires, etc.

Contains 1238 pages, 4143 illustrations.

Hard Cloth.

No.	A-37
Less than 3, Each	+12 60
3 to 9, Each	+12 00
10 to 24, Each	+11 40
25 to 49, Each	+10 80
50 or more, Each	+10 26
List, Each	*$6 00*

Flexible Black American Morocco.

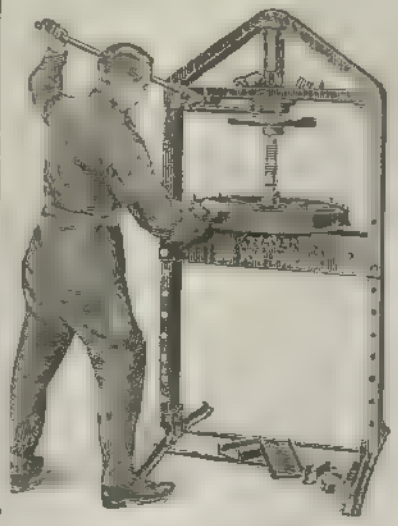
No	A-38
Less than 3, Each	+15 75
3 to 9, Each	+15 00
10 to 24, Each	+14 25
25 to 49, Each	+13 50
50 or more, Each	+12 84
List, Each	*$7 50*

Packed loose, wt each 2 lbs.

+F. O. B. Illinois Factory Only.

PRESSES

WEAVER



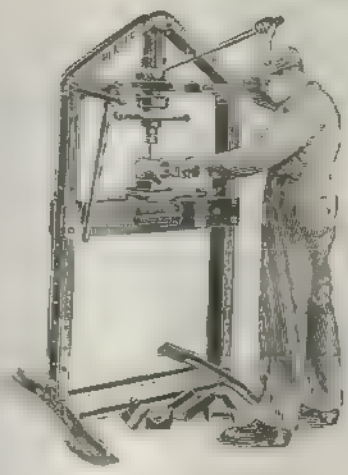
Frame is made of 5 inch channel steel, in one piece, rigidly braced by a solid truss construction at the top; ball-bearing wheel; screw does not revolve; no bolted corners or connections to weaken. The lever mechanism provides a leverage of 1500 to 1 for normal service. This leverage can be doubled by shifting the ratchet arm to the center socket in the lever block.

	Each
No. A-8FP Floor space [illegible]; width between uprights of frame 22 ins; height over all 72 ins; tested to capacity in excess of 8 tons; screw 2 ins in diam with 4 pitch Acme mil. cut thread; range of movement of upper platen approximately 12 ins	$255 00

Crated, 375 lbs.

WEAVER PRESSES

HI-SPEED



[illegible] steel frame, top reinforced by rigid brace construction to prevent springing. Quick release construction enables pressure on screw to be relieved instantly. Adjustable bolster can be set in any position on frame so work is always in direct contact with press screw. Rack and pinion handles for use on extreme speed work not requiring pressure over 2,000 lbs.

Two leverages for extra heavy work, 1,500 to 1 with lever in lower notch and 3,000 to 1 with lever in upper notch. Complete with face plate, two pressure blocks, two vice blocks and two sections of punch channel steel. Capacity 28 tons.

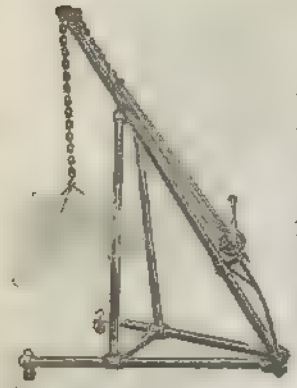
	Each
No. A-16-32—Height over all 72 ins; width 32 ins; wt each 450 lbs	+$330 00
No. A-16-42—Height over all 72 ins; width 42 ins; wt each 510 lbs	+ 375 00

Crated.

+Weaver—F. O. B. Illinois Factory Only.

HOISTS

PULL-U-OUT



This crane has many advantages over the regular crane, among which are its simplicity, adaptability, lightness and strength. Always ready with a strong pull or lift. For shifting heavy parts of machines, taking out or reseating engines, changing wheels or adjusting parts, etc., that are located on the under side of the car. It is handier to use for such purposes than jacks or overhead trolleys and is unlimited in action. Light in weight, but is so designed that it has tremendous strength, both in lifting device and crane. The Pull-U-Out device can be detached from the crane and used as a block and tackle for innumerable purposes. It has a pulling strength seventy three times that of a man, and is strong enough for any ordinary purpose around a garage.

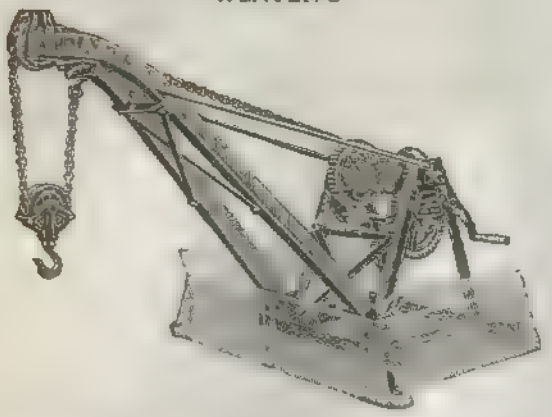
Crane made of 2½ inch extra heavy steel tubing, slip jointed and mounted on stone roller wheels. Black enameled finish.

	Each
No. A-3CC—Complete with Pull-U-Out; base 3 ft 3 ins wide by 6 ft deep; height 10 ft; lifting capacity 2000 lbs; pulling capacity almost unlimited; lift from floor 9 ft 6 ins	✦$219 00

Ship wt each 300 lbs.

WRECKING CRANES

WEAVER'S



An indespensable garage item for towing in cars.

Made of steel throughout, substantially braced and trussed for a two ton lifting capacity. The boom can be adjusted to four different heights by inserting side rods in the holes near top of boom. Furnished with 26 feet of high grade 5/16 inch 3-B close link chain, sufficient to handle any wreck. Chain and hook tested to withstand a strain much beyond the recommended capacity of crane. Drum is of sufficient diameter to enable cable to be used with success and will accomodate 40 feet of 7/16 inch flexible steel cable.

	Each
No. A-18C—Complete as described above	$300 00

Crated; wt each 500 lbs.

✦F. O. B. Missouri Factory Only.

SHOP BENCHES

IMPERIAL

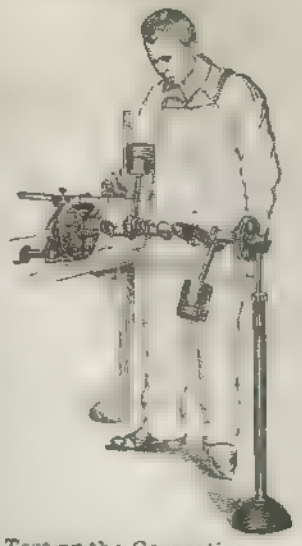
A strongly built portable type shop bench, ideal for garage, repair shops and battery service stations. Angle steel uprights, shelves are thick gauge metal and can withstand heavy weight Sheet steel tool drawer is a great convenience. Height over all 36 inches; length over all 36 inches; width 21 inches; drawer 14x20 inches; 6 inches deep.

	Each
No. A-126H—Without vise	✦$66 00
No. A-127H—With vise	✦ 82 50

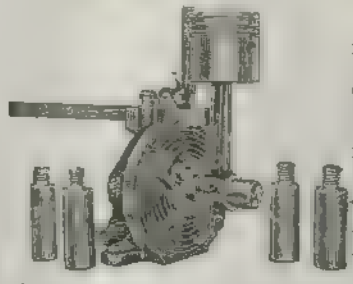
Ship wt each 140 lbs.

CRANK SHAFT SUPPORT AND ALIGNING FIXTURES

Fitting the Connecting Rod Bearing.



Testing the Connecting Rods and Pistons.



Made from high grade materials.

A mechanic's device especially designed for accurate aligning of connecting rods, pistons and the fitting of connecting rod bearings properly. Eliminates all danger of injury to the shaft.

When the crank shaft is not taken out of the motor, the pistons and connecting rods can be aligned individually by the use of separate mandrels of different size, which can be attached to the fixture.

The master plate and supporting stand can be easily adjusted to any size crank shaft.

	Each
No. A-69—Wt each 70 lbs	✦$195 00

One in crate.

EXTRA MANDRELS

FOR CRANK SHAFT SUPPORT AND ALIGNING FIXTURE

Made of high grade steel hardened and ground. In ordering state year, model, make of car and size of bearing.

	Each
No. A-71—Wt each 3 lbs	✦$12 00

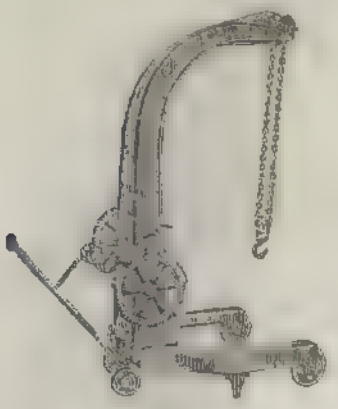
One doz in cardboard box.

✦Nos. A-126H and A-127H—F. O. B. Illinois Factory Only.
✦Nos. A-69 and A-71—F. O. B. Missouri Factory Only.

PORTABLE FLOOR CRANES

A most convenient crane for use in machine shops, foundries, garages, etc. The design is such that it can be easily used in close quarters, under work benches, etc.

The base casting, projecting arms and gears are made from semi-steel, a mixture of northern iron, and about 20% of steel which produces a tougher mix than cast iron.



The projecting arms are reinforced with a heavy wrought iron band which takes up the severe strain and enables the hoist to handle the heaviest kind of work with absolute safety. The chain is a hand-forged tested grade. The hook, block, axle, fork and yoke are high quality drop forgings. Wheels are tested roller-bearing. Base casting is reinforced at points subject to greatest strain.

Regular Sizes.

Nos.	A-1	A-2	A-3	A-4
Height over all	5 ft. 8 in.	6 ft. 6 in.	7 ft. 6 in.	8 ft. 6 in.
Lift	4 ft. 6 in.	5 ft. 4 in.	6 ft. 4 in.	7 ft. 4 in.
Over-hang	2 ft. 3 in.	2 ft. 6 in.	2 ft. 9 in.	3 ft. 0 in.
Width bed	2 ft. 5 in.	2 ft. 8 in.	2 ft. 10 in.	3 ft. 4 in.
Length bed	2 ft. 11 in.	3 ft. 2 in.	3 ft. 9 in.	4 ft. 0 in.
Ht of bed, in	9	12	12	12
Lift. cap, lbs	2000	4000	5000	6000
Wt each, lbs	600	740	890	1150
Each	+$330 00	+$371 25	+$412 50	+$495 00

Nos.	A-5	A-6	A-7	A-8
Height over all	9 ft. 6 in.	10 ft. 6 in.	11 ft. 6 in.	12 ft. 6 in.
Lift	8 ft. 3 in.	9 ft. 3 in.	10 ft. 3 in.	11 ft. 3 in.
Over-hang	3 ft. 3 in.	3 ft. 6 in.	3 ft. 9 in.	4 ft. 0 in.
Width bed	3 ft. 8 in.	4 ft. 0 in.	4 ft. 6 in.	4 ft. 10 in.
Length bed	4 ft. 3 in.	4 ft. 6 in.	4 ft. 9 in.	5 ft. 1 in.
Ht of Bed, in	12	12	12	12
Lifting cap, lbs.	6500	7000	7000	7000
Wt each, lbs.	1300	1550	1800	2000
Each	+$536 25	+$577 50	+$618 75	+$660 00

Special Sizes

Nos.	A-2S	A-3S	A-3AS	A-3GS	A-4S
Ht. over all	6 ft. 6 in.	7 ft. 6 in.	7 ft. 6 in.	7 ft. 6 in.	8 ft. 6 in.
Lift	5 ft. 4 in.	6 ft. 4 in.	6 ft. 4 in.	6 ft. 4 in.	7 ft. 4 in.
Over-hang	2 ft. 6 in.	2 ft. 9 in.	2 ft. 9 in.	3 ft. 6 in.	3 ft. 0 in.
Width bed	3 ft. 5 in.	3 ft. 8 in.	2 ft. 6 in.	3 ft. 3 in.	4 ft. 2 in.
Length bed	3 ft. 2 in.	3 ft. 9 in.	3 ft. 9 in.	4 ft. 6 in.	4 ft. 0 in.
Ht of bed, in	12	12	8	6¾	12
Lift. cap, lbs.	4000	5000	5000	2500	5000
Wt each, lbs.	740	890	890	890	1150
Each	+$371 25	+$412 50	+$412 50	+$412 50	+$528 00

Nos.	A-4AS	A-4BS	A-6S	A-11
Ht. over all	8 ft. 6 in.	8 ft. 6 in.	10 ft. 6 in.	15 ft. 6 in.
Lift	7 ft. 4 in.	7 ft. 4 in.	9 ft. 3 in.	14 ft. 3 in.
Over-hang	3 ft. 0 in.	3 ft. 0 in.	3 ft. 6 in.	4 ft. 9 in.
Width bed	4 ft. 8 in.	2 ft. 10 in.	5 ft. 8 in.	6 ft. 0 in.
Length bed	4 ft. 0 in.	4 ft. 0 in.	4 ft. 6 in.	5 ft. 10 in.
Ht of bed, in	12	12	12	12
Lift, cap, lbs.	6000	6000	6000	8000
Wt each, lbs.	1150	1150	1550	2300
Each	+$528 00	+$495 00	+$609 00	+$825 00

+F. O. B. Ohio Factory Only.

LIGHT DUTY CRANES

WOOD-IMES

Channel flat steel, painted red; adjustable to three different heights. Designed to give the service shop or garage a wrecking crane to efficiently handle light cars, such as Ford, Chevrolet, Overland, Star, etc.

Easily mounted on light service truck beds and with chain hoist, block and tackle taken from your own shop, you are equipped to handle the toughest wrecks within its capacity.

Each

No. A-22—Capacity 1 ton; height 63 ins; width at bottom 30¼ ins $72 00

Packed knock-down each 92 lbs.

DIFFERENTIAL HOISTS

WRIGHT

Steel wheels, malleable iron fittings, painted black; electrically welded steel chain. Light and easily handled, made with few parts and on account of its simplicity and reliability is popular for garage or similar use.

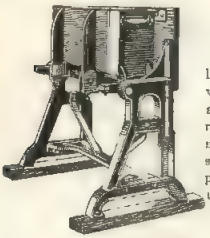
Blocks holds load automatically making it adaptable for loads which are handled occasionally.

Nos.	A-1W	A-2W	A-3W	A-4W	A-5W
Capacity, tons	½	½	1	1½	2
Stand lift in ft	6	7	8	8½	9
Wt each, lbs	23	80	51	76	112
Each	30 60	35 70	47 70	61 35	76 65
	$36 00	*43 00*	*56 00*	*72 00*	*90 00*

One in wood box.

+F. O. B. Ohio Factory Only.

The more efficient you make your garage the more money you will make. Buy garage equipment from this catalog.



Wettlaufer Block Machine

No. 1421

The Wettlaufer Block Machine with ordinary care, will last a lifetime, and should not require any repairs. It is constructed of the very best iron castings, and cold rolled steel and is guaranteed against defective material or workmanship. It is furnished complete, ready to make finished Blocks Machines are thoroughly milled and machine finished and make blocks which are absolutely true to the square, exact for length, height and width, and unskilled labor cannot produce an imperfect Block for the size. Best grade of iron and steel used in the construction, and guaranteed for one year against any defective material and imperfect workmanship.

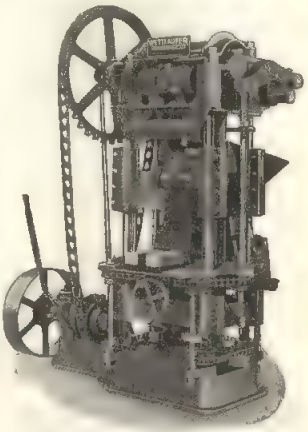
The length of the machine is 36 inches, the width 20 inches and the height 31 inches. It weighs 120 lbs.—easily portable.

Wettlaufer Power Brick Press

No. 1422

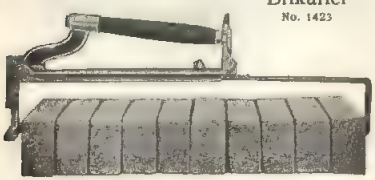
Makes the finest quality building material high grade pressed cement brick from all kinds of aggregate to suit every kind of building. It produces from 4,000 to 14,000 bricks per 10-hour day depending on the number of help used. Makes plain, fancy or rug brick. Any colour, any size. Brick can be removed by hand or pallet. Requires only 6 h.p. to operate it. Patented double repress action produces gigantic pressure and saves power. Floor space takes up about a five foot square.

A low priced machine, quality of product, economy of power and money making possibilities. Specifications and prices can be had on application.



Brikarier

No. 1423

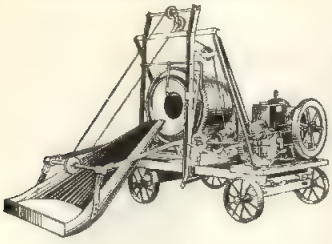


This brick handling tool will load or unload brick or tile in one half the time required by other methods. It is a decided improvement over any brick carrier on the market. Indispensable when handling faced brick, eliminates all damage from chipping, and will never drop its load until it is released by the natural motion of setting it down.

Information and prices on application

Wettlaufer Tilting Drum Mixers

The Famous Heart-Shaped Mixers



The shape alone of this Drum, when it revolves, has a natural tendency of rolling the material in at both ends, while the material in the center is carried higher up, away to the great amount of depth. With the addition of Fans to this Drum, we have what is admitted by the most prominent Engineers and Contractors from all over this Continent, the most perfect and efficient Mixing Drum that is possible in the handling of Concrete Material, both as to capacity and quality of mix.

Operated by one man—Improved Loading Hopper—Automatic Dumping Device—Centre Bearing Oil Feed System—Semi-Steel Castings Steam or Gasoline Engine Drive

Capacity, Power and Weight of Wettlaufer Heart-Shaped Mixers

Tilting Drum Style

No. Mixers	Power	H.P.	Per Batch in Cu. Ft.	Cu. Yds. per Hour	Approx. Weight lbs. Complete
1426-1B	Gasoline	2½	5-8	5	2,800
1426-1B	Steam	2½	5-8	5	3,350
1426-2	Gasoline	4	8	7	4,300
1426-2	Steam	4	8	7	4,900
1426-3	Gasoline	4	10	10	5,450
1426-3	Steam	4	10	10	6,400
1426-4	Gasoline	6	13	13	6,540
1426-4	Steam	6	13	13	7,440
1426-5	Gasoline	8	16	20	11,400
1426-5	Steam	8	16	20	13,100
1426-6	Steam	8	24	30	13,560

Wettlaufer Stationary Drum Type Mixers

With Heart-Shaped Drum

No. 1427.

These mixers have all of the excellent features of the tilting drum type and are built in all sizes up to 1½ cu. yds.

Send for complete specifications.

Wettlaufer Traction Paver

No. 1428.

This New Wettlaufer Paving Mixer is absolutely in a class by itself. It is built especially for Road Paving, but is such a grand success that it is being used on many different kinds of concrete work.

A few of its many distinctive features are:

Note. Particular Elevated Drum ensuring a positive stream of concrete down the Distributing Chute.

Elevated Drum.

Direct Connected Oval Bottom Hopper.

Rear Discharge.

Rotary Delivery Chute.

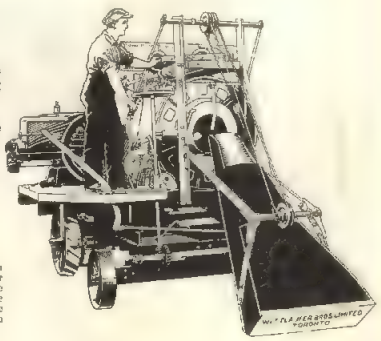
Traction Drive (Both Wheels.)

Two Speeds, Forward and Reverse.

Reversible Link Motion Engines.

No Intermediate Hopper to Dog Up.

The Elevated Drum is a very distinctive feature in this new Model. We can absolutely guarantee our Customers that their trouble with Gravity Chutes are at an end. Gravity Chutes are not a success with the ordinary Mixer on account of the Low Drum. We have absolutely the only successful Gravity Chute Mixer on the market today.



"Made in Canada." Send for complete Catalogue.

Concrete Mixers

(Showing Mixer Discharging into Wheelbarrow)

No. 1424-0 Hand Mixer

This Hand Mixer has found a place in the smaller contractor's equipment, who has not enough work for a power mixer, that cannot be replaced. It is direct gear driven, and the main bearing at the back of the drum which carries the weight, is adjustable to take up wear.

This means a very easy running machine, and cannot be beaten for small work It means a saving over, shovel mixing of at least one or two men per day This machine is also used extensively for brick and block work No matter how small your job is, you cannot afford to be without it.

A boy can turn this mixer all day with ease.

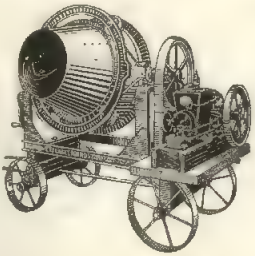
No. 1425-0 Power Mixer

This Mixer can be set to dump direct into foundations. It runs smoothly and is not so heavy as to cave in the sides.

It mixes cement, mortar and plaster of all kinds to perfection and is specially built for block makers, tile makers, bricklayers and plastering contractors.

It allows a shovelful, barrowful or the whole batch to be discharged at any time. It is impossible to clog it, and when dumped it is dumped clean.

The material can be tempered to any degree because it is always in sight.



No. 1425-0 Power Mixer

No.	H.P.	Per Batch in Cubic Feet	Capacity Per Hour	Approximate Weight
1425-0.P.	1½	4-5 Cubic Feet	2 Cubic Yards	1,000 lbs

ELECTRIC FANS

WHIRLWIND

Heavy gauge steel motor, end bracket, blades and guard, cast iron base machined smooth, beautiful dull black finish.

May be tilted 15 degrees forward or 90 degrees backward for wall mounting, complete with cord and separable attachment plug. Will work on any 110 volt current, regardless of the frequency.

Complete with 8 foot cord and attachment plug.

No. 420550—4 Blades, size 8 in., 100-125 volts, wt. each 6 lbs. ..... Each $7.50

One in a box.

HOME

Heavy gauge sheet steel base, motor body and end bracket. Steel fan blades, steel guard, three speeds controlled by switch in base.

Hinge joint allows the oscillating fan to be tilted 20 degrees forward or backward in desk position and 20 degrees forward in bracket position. The non-oscillating fan can be tilted 15 degrees forward and 90 degrees backward. Complete with 8 feet of cord and attachment plug.

NON-OSCILLATING, 4 BLADES

Nos.	Size, in.	Volts	Cycles	Finish	Wt. Ea., lbs.	Each
457683	10	100-120	60	Black	16	$12.50
***457684**	10	100-125	DC	Black	16	12.50

OSCILLATING, 4 BLADES

457678	10	100-120	60	Black	19½	16.50
457680	10	100-120	60	Ivory	19½	18.50
***457672**	10	100-125	DC	Black	18½	16 50
***457674**	10	100-125	DC	Ivory	18½	18 50

Note—Ivory finish fans have nickel plated trimmings.

One in a box.

DESK AND BRACKET

Drawn steel base, motor body and motor end-brackets, heavy gauge metal blades, three speeds control by switch mounted on base, hardened steel shaft ground to size.

Swivel hinge joint, non-oscillating fans can be tilted forward 15 degrees, backward 90 degrees, rotated 340 degrees, oscillating fans can be tilted 20 degrees forward or backward in either desk or bracket position.

Complete with 8 foot cord and attachment plug.

NON-OSCILLATING, 4 BLADES

Nos.	Size, in.	Volts	Cycles	Finish	Wt. Ea., lbs.	Each
315734	12	100 120	60	Black	28¼	$23 50
***315726**	12	100-125	DC	Black	26¼	23 50

OSCILLATING, 4 BLADES

315745	12	100-120	60	Black	31¼	30.00
321347	16	100-120	60	Black	40½	35.00
***315737**	12	100-125	DC	Black	28¾	30.00
***321339**	16	100-125	DC	Black	37½	35.00

Note: Any of above fans for 220 volt current $1.50 extra.

One in a box.

*Not carried in stock; will ship from factory.

ELECTRIC FANS

ROTAIRE CEILING

This fan may be installed wherever the common type of ceiling or gyrating fan is practicable. It is especially adapted to restaurants, theatres, stores and offices. The drive in transmitted through a pinion and gear to a universal joint, which permits the entire fan body to slowly revolve in a circle of 360 degrees at the rate of five times per minute. Slip rings are used to transmit current to the motor. When suspended from the ceiling the fan is held at a rigid angle of 45 degrees from the perpendicular.

Nos.	Size, in.	Blades	Volts	Cycles	Wt. Ea., lbs.	Each
***457090**	16	4	100-120	60	50	$45.00
***457098**	16	4	100-125	DC	50	46.00

Price includes 38 inch hanger pipe.

One in a box.

CEILING

56 in.

36 in.

Black enamel finish, 56 in. have mahogany finished wood blades and 36 in. have rust-resisting metal blades

The 56 in. fans are for large rooms, such as theatres, restaurants, large stores and large offices and the 36 in. fan is useful in doorways, narrow hallways, etc.

Nos.	Size, in.	No. of Blades	Volts	Cycles	Wt. Ea., lbs.	Each
420530	56	4	100-120	60	99	$52 00
398177	36	4	100-120	60	45	42.50
***196122**	56	4	100-125	DC	90	52.00

Note: Hanger pipe is not furnished. Use ¾ inch black conduit.

One in a box.

EXHAUST

Single speed motor, dull black finish. Fans for mounting in walls or partitions.

For removing foul air and odors from kitchens, lavatories, theatres, restaurants, schoolrooms and other places requiring more than usual ventilation.

HORIZONTAL DELIVERY

Nos.	Size in.	No. of Blades	Volts	Cycles	Cu. Ft. of Air per Minute	Wt. Ea. lbs.	Each
251415	12	6	100-120	60	860	35	$29.00
251425	16	6	100-120	60	1665	47	33.00
***251407**	12	6	100-125	DC	935	33	29.00
***251417**	16	6	100-125	DC	1725	44	33.00

One in a box.

Speed regulators for varying speed of exhaust fans $5.00 each

Note: Any of above fans for 220 volt current $2.00 extra.

*Not carried in stock; will ship from factory.

STIMULATORS

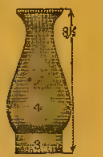
No. 2 Glass Collar Fount

For Bracket Lamps

2C2608 No. 2 glass collar, brass threads, fits bracket lamps. 4 doz. in carton. 40 lbs. Doz **$1.25**

"Sun" No. 2 Lamp Chimney

The popular size and a big seller if you'll name a price of 10c



2C2502—No. 2, 3 in fitter. Made of lime glass, crimped tops, correct sizes. Xmas in corrugated tubes. 6 doz. in carton, 25 lbs... Doz **75c**

No Package Charge

Short Lantern Globe

Fits "Eagle," "New Wizard" and "D-Lite" lanterns

2C2613—4½ in. high, clear crystal, bottom 2¼ in. top 1 in. 2 doz. to shipping carton, 22 lbs. Doz **92c**

Men's Mercerized Shirt

Formerly sold at $10.50 doz! You can price them so your customers will want several at one time

SD8263—Mercerized shirting. Assrd color stripes on white. Coat style, double stitched felled seams. French turnback cuffs. 4-button front, pearl buttons. Finished 42 to 49 in. wide, 34 in. long. Assrd patterns and collars. Sold thru 14 to 17. SPECIFY SIZES. ½ doz. in box. Doz **$7.00**

"White Flame" Cold Blast Lantern Assortment

Why you should buy "White Flame" lanterns: 1 New improved burner assures full white light regardless of kerosene. 2 Made under our own supervision by one of the biggest producers in America. 3 The equal of any lantern produced at a big saving in cost. 4 Specially packed. Small quantity of best sellers for quick turnover.

2C2271 Heavy pump bright tin, dome shape, wideview fount, large brass oil filler and cap, special cold blast tubes, standing ball handle, bridge lift, standard short globes. Assortment comprises ½ doz. each.

"Junior" Size—21¼ in. high. No. 0 burner. Burns 30 hours.

Regular Size—18¾ in. high. No. 2 burner. Burns 35 hours. Rising cone burner (easy to light and trim)

ASST of ¼ doz. (¾ doz. each size) **$4.75**

No. 2 Bracket Lamp

Bracket, fount and reflector

2C3502—"Leader." No. 2 brass collar, crystal font, large black japanned tin frame, 6½ in. high, hole for hanging, removable 6½ in. nickeled tin reflector, hand 13x44 in. in pkg., about 30 lbs. Doz **$1.95**

2 Qt. Double Boiler

Aluminum

We did everything but buy the factory to get this price down so far below the market.

F3832—Colonial style, holds 2 qt., outside 2½ qt. medium weight 98% grade aluminum, highly polished outside surface, inside inner kettle, open bail handle, cool hollow rib handles, lip or for handle, grained and wrapped 1 doz. in carton, 18 lbs. Doz **$7.25**

"Whitecote" 4 Qt. Pudding Pan

White Enameled

We could raise the price over 10% and we'd still be low on this item

T430-44—Trade 4 qt., actual 3 qt., extra deep, coolite coated white enamel inside and out on a heavy steel base, pan of all quality, white dark blue edge rounded bottom, labeled and wrapped 2 doz. in carton. Doz **$2.40**

"Titan" 8½ In. Chamber

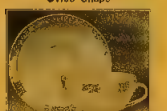
Gray Enameled

When we brought the price down into the 25c class we saw to it that the quality was not cheapened

T2322-3—8½x4 in. selected run of late quality uniform gray mottled enamel on a heavy steel base, strong bail, cole lobeled and wrapped 2 doz. in carton Doz **$2.00**

Japanese China Cup and Saucer

Ovide Shape



B3204—Cup 3½x3½ in., saucer 6½, hand painted pink rose and green foliage ornament between blue and tan ends, classic rite lustrine band, lustrous edges, gold striped handle. 12 doz. in pkg. DOZ 34 pcs. **$1.60**

30 doz. in case DOZ 24 pcs. **1.50**

February Bargain Asst. of Play Suits—3 to 8 Yrs.

Here's where you profit! These suits are cut a trifle smaller and do not measure quite up to our high standard of quality. But at this price they're a WONDER BARGAIN! Order at once if you want to share it.

SD610—Brownie and overall style play suits made up from numbers recently discontinued workmanship throughout. Assorted sizes 3 to 8 years. 1 doz. in bundle Khaki and Suiol materials. Good Doz **$3.75**

STIMULATORS

Gold Banded Cup and Saucer

One of the most popular sellers we could possibly offer you

E169—Kenyon shape ½ in. gold band run of 4-in. (H. A.) selection pure white semi-porcelain. 1 doz. in pkg. DOZ (04 pcs) **$2.00**

"Challenge" Spotlight

First quality spotlight that will give entire satisfaction.

4K8302—All brass body 4½ in. silvered reflector black enameled body baked on nickel trimmings, positive switch. Complete with 5½ ft. tinsel braid, cord and combination open or closed car bracket. 1 in carton Each **98c**

Crinkle Dimity Bedspreads

More popular than ever before—and now we're reducing our price! Great leaders for white goods sales.

9B4272—81x90 in. White, Crinkled Easter narrow stripes and wide crinkled stripes about 6½ apart, full length of spread. Light weight, easily washed, requires no ironing. Hemmed ends Each **$1.87½**

White Crochet Bedspread

Better quality than your customers have a right to expect at the price you can name!

9B4240—78x88 in., 3 lbs., 2 pr. yarn Fleur-de-lis and honeycomb pattern, convent and border. Scalloped edges and corners. Each in gift box or bag Each **$2.75**

Griswold "Victor" 8 In. Skillet

We picked up one lot at a saving which we are passing on to you

1HS683—Size 8, 8 in. diam., 1¾ in. deep, high grade cast iron, double lip, highly polished inside, improves with age, never wears out Each **63c**

European China Cups and Saucers

K8102—Cup 3¼x3¼ in., saucer 5½ in., pure white, fine quality china, French shape, embossed edges. 1 doz. in pkg.

D 2.724 pcs. **$1.67**

K2115 Cup 3 x3¼ in., saucer 5½ in., good quality pure white highly glazed china, Saxon shape, wide and narrow gold banded edge. ½ doz. in pkg.

DOZ 24 pcs **$2.00**

Boys' Sweaters

Such a low price isn't found on the present market! This bargain required skillful buying—and it will bring you big sales.

Mixed wool and cotton ruff neck pullover, fancy rib knit, 2-pc collar, reinforced throughout. Contrasting collar, cuffs and welt. Solid sizes 30 to 36. SPECIFY SIZES. ¼ doz. in box

1A2040—BROWN with camel trim

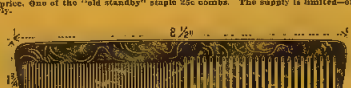
1A2041—NAVY with orange trim

Doz **$13.25**

8¼x1⅞ In. "Pyralin" Dressing Comb

Heavy Weight—Mottled Colors

THE BIGGEST COMB BARGAIN OF THE YEAR. Usually jobs at $2.00 or more a dozen. We bought a big lot of these combs intended for export at a great reduction in price. One of the "old standby" staple 25c combs. The supply is limited—order early.



N2686—8¼x1⅞ in., assid. colors heavy weight mottled "Pyralin" stock, wide back, well made, finely finished, grained coarse & fine teeth. Assid red, blue, jade and brown & white mottled stock. 1 doz. in display box **$1.69**

"Never Dull" Jack Knife Assortment

There's no question about getting a bigger share of the knife business when you can feature such astounding values. These knives are guaranteed against imperfections.

G1673—"NEVER DULL" equal end gun stock, long shape, cork end, 3 blades, Sheep and pen, assorted patterns, 3¼ in. closed, 3¾ in. large sheep and dog, highly tempered, ground and etched polished, and pen brass lined, stag handle, nickel silver shield, cap and bolster. 3 pcs. in display box Doz **$6.75**

"Bouncing Buster" Spring Action Top

This is the number that brings the boys into your store.

1F8560—2¼x1¼ in., fine finish, hardwood assorted red, blue and green stained. Peg set in steel case with strong spring. Assid. 3 doz. in box.

Doz **38c**

Gro **$4.25**

"Whitecote" 13¾ In. Wash Basin

White Enameled

A whale of 50 center great trade stimulator

T.534 14 in. x 3 in. deep Improved shape lustre coated white enamel inside and out on a heavy steel inset rim of silk quality, dark blue turned up edge, eyelet, labeled and wrapped. 2 doz. in carton. Doz **$3.95**

Young Men's Trousers

Striped Worsted

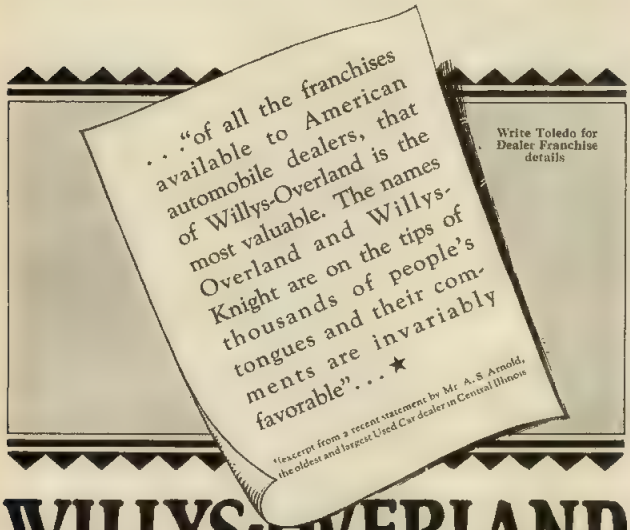
Amazing values that will make a big selling special in your store. Well tailored, full cut, cuff bottoms, bar tacked at all wearing points.

Pencil Stripe Suiting—Fine grade smooth worsted finish suiting, about 20% worsted filling, firmly woven through and through pencil stripes. A pattern that is in big demand and at this price you can add a real bargain item to your stock. 6 belt loops, 3 pockets, button flaps on hip pockets, good pocketings and waistband, cuff bottoms. Sizes 30 to 50 in. waist. SPECIFY SIZES.

1A2590—BLUE pencil stripe Pair **$2.45**

1A2591—BROWN pencil stripe Pair **$2.45**

Every day in every way the Overland and Willys-Knight picture gets better and better . . . The 1926 Willys-Overland contract holds *the sweetest opportunity ever offered* for sales-making and profit-taking in the marketing of fine automobiles.


. . . "of all the franchises available to American automobile dealers, that of Willys-Overland is the most valuable. The names Overland and Willys-Knight are on the tips of thousands of people's tongues and their comments are invariably favorable" . . . ★
*(excerpt from a recent statement by Mr. A. S. Arnold, the oldest and largest Used Car dealer in Central Illinois
Write Toledo for Dealer Franchise details

WILLYS-OVERLAND

Fine Motor Cars

WILLYS-OVERLAND, INC., *Toledo, O.* - WILLYS-OVERLAND SALES CO. LTD., *Toronto, Can.*

No Better Pianos Made At These Low Prices

Easy Monthly Payments

THE [illegible] of the Windsor Pianos [illegible] other pianos at [illegible] at this price is that we build no [illegible] our Windsor Pianos in those quality features [illegible] [illegible] months with [illegible] Small [illegible] [illegible] [illegible] good piano [illegible] [illegible] stand the terrific pull [illegible] the piano's strings and constant vibration.

These Are Windsor Quality Features

[illegible] [illegible] [illegible] [

Lowest Prices for Pure Tone Violins

Ideal Violin Outfit for Beginners

$5.75

The beginner should have a good Violin but it need not be an expensive one. This is designed especially for first lessons. It is light, but strongly made with clear, sweet tone surprising in an instrument at this price. We can sell this student outfit at this price because we buy them by the thousands, direct from the makers.

Everything the Beginner Needs

Violin
Violin Case
Violin Strings
Rosin
Instruction Book
Chart

is an exact copy of the Stradivarius. Back and sides are of maple, front of straight grained, seasoned spruce. Tailpiece, finger board and pegs are ebonized. Bow is of flexible Brazil wood with ebonized mountings, genuine horsehair. It is sent complete with everything the beginner needs—sturdy cardboard case, set of violin strings, rosin, fingerboard chart and instruction book.

851 C 705—Violin only	$3.75
851 C 706—Violin with Complete outfit	$5.75

Complete outfit as violin illustrated from 851 C 706 ..... $5.75

Postage, 18c extra

Our Finest Violin

$48.95

The Masterpiece is our finest Violin. It is made throughout by hand of carefully chosen thoroughly seasoned woods. Faultless workmanship and perfect design give it the full powerful tone that a professional musician demands.

A Wonderful Hand Made Violin

From a model of fine, straight grained spruce with a [illegible] back and sides of [illegible] maple, [illegible] ebonized. [illegible] genuine [illegible] fingerboard and pegs are genuine ebony. A beautiful model with full [illegible] and [illegible] tone and will please the professional player. Complete with imported gut strings.

851 C 734

Postage, 16c extra

$48.95

Stradivarius Model Concert Violins

$31.75

Artists and professional players demand the very best Violins that can be made, so this is designed to meet their needs. It is made to our own order in the shops of a famous maker in Germany, and one instrument in each lot is set aside for us by the skilled expert. It is just half what you would pay for such an instrument if you bought it elsewhere

Stradivarius Model—Concertone

It is an accurate copy of the famous Stradivarius, matchless workmanship and care in selecting the finest woods alike in the back, sides, neck and belly. The [illegible] back, sides, neck and belly are [illegible] of flamed maple, in deep brown, shading to rich amber. Fingerboard, flared tailpiece and pegs are genuine ebony. Perfect model outfit includes Brazil wood bow, imitation mirror, [illegible] case, finest German gut strings, tuner, chart, instruction book and book of selections.

851 C 716 Complete outfit $31.75

Postage, 26c extra

Celebrated Stradivarius Model

$9.35

An exact copy of a genuine Stradivarius, for years the violin favored by musicians, dealers and others who [illegible] from long experience and thoroughly [illegible] and finished does really [illegible] shading to [illegible] Tailpiece, finger board and pegs are ebonized. [illegible] polished Brazil wood, with leatherette grip and [illegible] trimmed. Musician's complete [illegible] of [illegible] leather [illegible] felt lined set of [illegible] strings [illegible] book [illegible] rosin, board chart, music stand and music stand

551 C 708—Complete outfit $9.35

Postage, 38c extra

Complete Watches for Men and Boys

PRICES QUOTED ARE FOR CASES AND MOVEMENTS COMPLETE

A suitable watch for boys.

J72329—Stop Watch: "Racer" Foot Ball Timer, nickel case, 2 jewel lever pin magnet movement, 30 minute recorder records ¼ second, starts, stops and starts without flying back or will fly back when desired. **Each 22 00**

J72330—Winton "Chronograph" 12 size, solid filled case, 7 jewel movement, nickel damascene finished plates, compensated balance, 30 hr. seconds recorded and has a 30 minute register. **Each 115 00**

Elgin 12 and 16 Sizes Makes Watches Complete

J72331—Light 12 size, 7 jewel movement fine nickel screw case and bezel case. **Each 18 80**
J72332 As above, 15 jewel. **Each 25 80**
J72333 As above, 17 jewels. **Each 30 10**

J72334—Elgin: 16 size, 7 jewel movement fine nickel screw case and bezel case. **Each 16 00**
J72335—As above, 15 jewel. **Each 24 80**
J72336—As above 17 jewel. **Each 30 10**

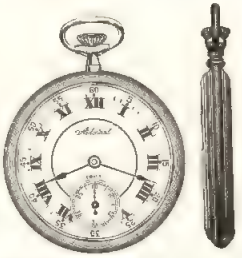
Make Case Only
For Movements see Page 71

J72337—Open Face: 16 size screw bezel and back. **Each 2 40**
J72338—Hunting: 16 size. **Each 4 00**
J72339—Open Face: 12 size, screw bezel and back. **Each 2 40**
J72340—Open Face, 16 size, snap ring. **Each 4 50**

J72341—Desk or Traveling Clock: covered with Gothic border, nickel trimmed, 7 jewel 8 day, grain seal covered. **Each 37 00**
J72342—7 jewel, 8 day, blue morocco covered. **Each 39 00**
J72343—15 jewel; 8 day, pin seal covered. **Each 50.00**
J72344—15 jewel; 8 day, grain morocco covered. **Each 50 00**

J72345—Open Face, 16 size, standard movement, 7 jewel, nickel. **Each 12 80**
J72346—Open Face: 16 jewel; nickel standard. **Each 15 00**
J72347—Open Face: 12 size, standard movement, 7 jewel, nickel. **Each 14 00**
J72348 As above, 15 jewel movement. **Each 16 00**

J72349—Open Face: 16 size, nickel case, imported movement, white dial. **Each 3 50**



J72350—The 12 Size Admiral; thin model, open face, nickel case, fine finished movement with white enamel dial, 8 first-class time keeper. **Each 15 00**

J72351—Nickel; 16 size, 7 jewel imported movement, radiolite dial. **Each 5 00**
J72352—As above, not radiolite. **Each 3 50**

Wm·Rogers & Son Silver Plate

You can sell these two patterns knowing that they will outlive their guarantee and give complete satisfaction. The designs are the last word in silver plate. They will appeal to customers who wish artistic designs.

25 YEAR GUARANTEE

LINCOLN

A dignified design depending on plain, simple lines for its beauty. "AA" silver plate on heavy solid nickle blanks. Bright finish, bevel edge design.

SPOONS—1 doz. in box

J6860	Tea Spoons	Doz $1.90
J6861	Dessert Spoons	3.60
J6862	Table Spoons	3.80

MEDIUM KNIVES—½ doz. in box

J6895	Solid handles	Doz $4.60

MEDIUM FORKS—½ doz in box

J6897	Silver handles	Doz $3.80
J6896	Solid handles	4.60

SPECIAL GIFT CHESTS, 26 PIECES

J6826	6 Tea Spoons, 6 Dessert Spoons, 1 Sugar Shell, 1 Butter Knife, 6 Medium Knives, 6 Medium Forks, 1 Pie Knife, 1 Cold Meat Fork, 1 Gravy Ladle, 1 Pair Individual Salts, 1 Pair Individual Pepperettes, 1 Individual Mustard, 1 Individual Salt, 1 Individual Spoon, 1 Individual Fork, 1 Individual Knife, 1 Napkin Ring, 1 Child's Knife, 1 Child's Fork, 1 Child's Spoon, 1 Child's Napkin Ring, in Lined Box	SET 26 pcs. $8.40
J6827	Same as above, in Leatherette Covered Hinged Case	SET 26 pcs. $8.90

25 YEAR GUARANTEE

MAYFAIR

A beautiful pattern in the desirable gray finish. "AA" silver plate on heavy solid nickle blanks.

SPOONS—1 doz. in box

J6828	Tea Spoons	Doz $1.90
J6831	Dessert Spoons	3.60
J6832	Table Spoons	3.80
J6833	Sugar Shell, Butter Knife, in Lined Box	Set $4.10

MEDIUM KNIVES and FORKS

J6836	Knives, Solid Nickel Blades	Doz $4.60
J6838	Forks, Solid Nickel Blades	Doz $3.80
J6835	Forks, Silver Plated Blades, in Lined Box	Set $4.80

KNIFE and FORK SET—

J6837	Solid handle Dinner Knives, Cold Meat Forks, in Lined Box	Set 12 pcs $4.55

FANCY PIECES—

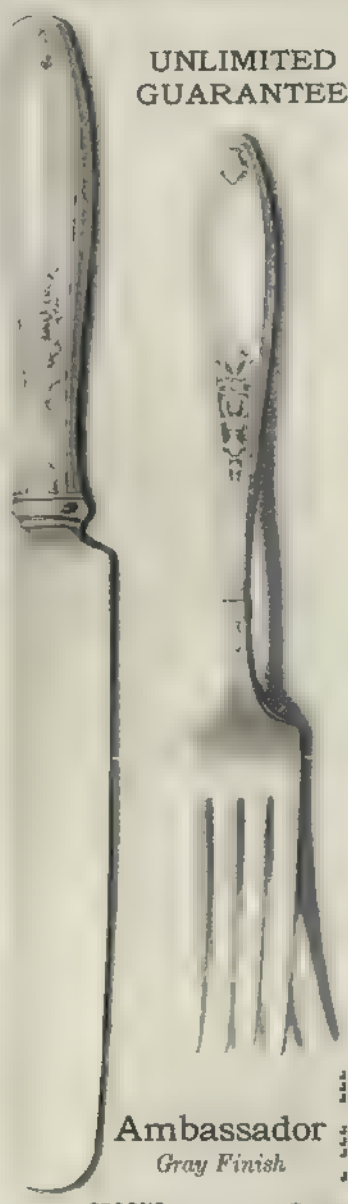
J6834	Sugar Shells, in Lined Box	$5.00
J6830	Butter Knives, in Lined Box	4.45
J6822	Sugar Shell	Each $0.37
J6829	Butter Knife	.39
J6823	Cold Meat Fork	.68
J6824	Gravy Ladle	.80
J6832	Pie Knife	1.06

SPECIAL GIFT CHESTS 26 PIECES

J6814	6 Tea Spoons, 6 Dessert Spoons, 1 Sugar Shell, 1 Butter Knife, 6 Medium Knives, 6 Medium Forks, 1 Pie Knife, 1 Cold Meat Fork, 1 Gravy Ladle, 1 Pair Individual Salts, 1 Pair Individual Pepperettes, 1 Individual Mustard, 1 Individual Salt, 1 Individual Spoon, 1 Individual Fork, 1 Individual Knife, 1 Napkin Ring, 1 Child's Knife, 1 Child's Fork, 1 Child's Spoon, 1 Child's Napkin Ring, in Lined Box	SET 26 pcs. $8.40
J6815	Same as above, in Leatherette Covered Hinged Case	SET 26 pcs. $8.90

1847 ROGERS BROS.

UNLIMITED GUARANTEE



Ambassador

Gray Finish

SPOONS

		Doz
J6840—Tea Spoons	½ doz. in box	$4.25
J6841—Dessert Spoons	" "	8.20
J6842—Table Spoons	" "	8.50

MEDIUM KNIVES and FORKS

		Doz
J6845—Knives, solid handles	½ doz. in box or roll	$5.80
J6846—Knives, hollow handles	" " "	13.80
J6847—Knives, hollow handles, stainless blade	" " "	15.00
J6848—Forks, flat handles	" " "	8.50

KNIFE and FORK SETS—Each set in box

J6844—6 Hollow handle Dinner Knives 6 Flat handle Forks	1 SET (12 pcs)	$11.15
J6845—6 Hollow handle Dinner Knives with stainless steel blades 6 Flat handle Forks	1 SET (12 pcs)	$10.85
J6846—6 Hollow handle Knives 6 Flat handle Forks	1 SET (12 pcs)	$7.15

CARVING SETS—in velvet lined boxes

J6887—Steel Carving Knife Carving Fork	1 SET	$4.40

FANCY PIECES Velvet lined boxes

		Doz
J6850—Cold Meat Forks	½ doz. in box	$7.00
J6851—Soup Spoons	" "	9.10
J6852—Salad Forks	" "	8.80
		Each
J6853—Gravy Spoon	1 in box	$1.80
J6861—Cold Meat Fork	" "	1.17
J6862—Sugar Shell	" "	.79
J6866—Butter Knife	" "	1.35
J6852—Olive Fork	" "	.89

SPECIAL GIFT CHESTS, 26 PIECES

Each in 12x10½ in. velvet lined display box

6 Dinner Knives, 1 Sugar Shell, 6 Tea Spoons
6 Flat handle Forks, 1 Pie Server, 6 Table Spoons

J6858—With solid handle Knives	SET (26 pcs)	$15.20
J6860—With hollow handle Knives	" "	19.20

SPECIAL SERVICE TRAY SET, 26 PIECES

Each with 16½x13 in. handled velvet lined service tray

6 Hollow handle Dinner Knives with stainless steel blades, 6 Table Spoons
6 Flat handle Forks, 1 Butter Knife, 6 Tea Spoons
6 Tea Spoons, 1 Sugar Shell

J6890—1 set in box ... SET (26 pcs) $20.80

UNLIMITED GUARANTEE

Anniversary

Gray Finish

SPOONS

		Doz
J6400—Tea Spoons	½ doz. in box	$4.25
J6401—Dessert Spoons	" "	8.20
J6402—Table Spoons	" "	8.50

MEDIUM KNIVES and FORKS

		Doz
J6405—Knives, solid handles	½ doz. in box or roll	$5.80
J6406—Knives, hollow handles	" " "	13.80
J6407—Knives, hollow handles, stainless blade	" " "	15.00
J6404—Forks flat handles	" " "	8.50

KNIFE and FORK SETS—Each in box

J6416—6 Hollow handle Dinner Knives 6 Flat handle Forks	1 SET (12 pcs)	$11.15

FANCY PIECES—Velvet lined boxes

		Doz
J6412—Tea Spoons	½ doz. in box	$7.00
J6403—Soup Spoons, oval bowl	" "	9.10
J6409—Salad Forks	" "	8.80
		Each
J6410—Bouillon Spoons	1 in box	$0.89
J6411—Gravy Ladle	" "	.79
J6413—Cold Meat Fork	" "	1.17
J6415—Gravy Ladle	" "	1.35
J6853—Olive Fork	" "	1.80

GIFT CHESTS, 26 PCS.—*in velvet lined box*

Dinner Knives, 1 Sugar Shell, 6 Tea Spoons, 6 Flat handle Forks, 1 Cold Meat Fork, 1 Gravy Ladle J6419—With solid handle Knives	SET (26 pcs)	$15.20
J6420—With hollow handle Knives	" "	19.20

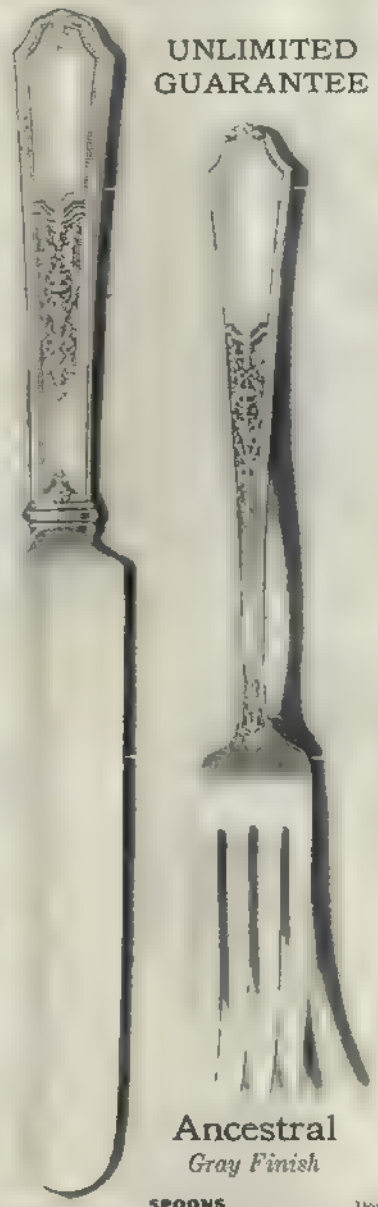
TRAY SET, 26 PCS—*in velvet lined tray*

6 Dinner Knives, 6 Flat handle Forks, 6 Table Spoons, 6 Tea Spoons, 1 Cold Meat Fork, 1 Gravy Ladle, 1 Sugar Shell J6432—With solid handle Knives	SET (26 pcs)	$20.80

The Service Tray Set comes in this velvet lined tray, with burnished, carved effect frame.

1847 ROGERS BROS.

UNLIMITED GUARANTEE



Ancestral

Gray Finish

SPOONS

		Doz
J6600—Tea Spoons	½ doz. in box	$4.25
J6601—Dessert Spoons	" "	8.20
J6602—Table Spoons	" "	8.50

MEDIUM KNIVES and FORKS

		Doz
J6605—Knives, solid handles	½ doz. in box or roll	$5.80
J6606—Knives, hollow handles	" " "	13.80
J6607—Knives, hollow handles, stainless blade	" " "	16.00
J6604—Forks flat handles	" " "	8.50

KNIFE and FORK SETS—Each in box

J6618—6 Hollow handle Dinner Knives 6 Flat handle Forks	1 SET (12 pcs)	$11.15

FANCY PIECES—Velvet lined boxes

		Doz
J6612—Tea Spoons	½ doz. in box	$7.00
J6604—Soup Spoons, oval bowl	" "	9.10
J6605—Ice Spoons	" "	7.20
J6609—Salad Forks	" "	8.80
		Each
J6610—Bouillon Spoons	1 in box	$0.89
J6611—Sugar Shell	" "	.79
J6613—Cold Meat Forks	" "	1.17
J6614—Gravy Ladle	" "	1.40
J6615—Olive Fork	" "	1.35
J6616—Tomato Server	" "	1.88
J6617—Pie Server, hollow handle	" "	2.87

SPECIAL GIFT CHESTS, 26 PIECES

Each in 12x10½ in. velvet lined display box.

6 Dinner Knives, 1 Sugar Shell, 6 Tea Spoons
6 Flat handle Forks, 6 Table Spoons, 1 Butter Knife

J6619—With solid handle Knives	SET (26 pcs)	$15.20
J6620—With hollow handle Knives	" "	19.20

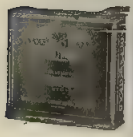
SPECIAL SERVICE TRAY SET, 26 PIECES

Each with 16½x13 in. handled velvet lined service tray

6 Hollow handle Dinner Knives with stainless steel blades
6 Flat handle Forks, 6 Table Spoons, 1 Butter Knife
6 Tea Spoons, 1 Sugar Shell

J6621—1 set in box ... SET (26 pcs) $20.80

MOTOR OIL



1-Gal. Can

5-Gal. Can

15, 30, 55-Gal Steel Drum with Faucet

Wolf's Head, Pennsylvania base motor oil, high flash and burning points, clear and brilliant in color; free from carbon, resists gasoline dilution. Noted for quality.

WOLF'S HEAD, LIGHT

In Cans

Size of can	1 Gal	5 Gal.
Contents of case	12	2
Weight per case, lbs.	125	90
Per gallon	$	

In Steel Drums

Approx. contents, gallons	15	30	55
Weight per drum, lbs.	130	240	410
Per gallon	$		

WOLF'S HEAD, MEDIUM

In Cans

Size of can	1 Gal.	5 Gal.
Contents of case	12	2
Weight per case, lbs.	125	90
Per gallon	$	

In Steel Drums

Approx. contents, gallons	15	30	55
Weight per drum, lbs.	130	240	410
Per gallon	$		

WOLF'S HEAD, HEAVY

In Cans

Size of can	1 Gal.	5 Gal.
Contents of case	12	2
Weight per case, lbs.	125	90
Per gallon	$	

In Steel Drums

Approx. contents, gallons	15	30	55
Weight per drum, lbs.	130	240	410
Per gallon	$		

WOLF'S HEAD, EXTRA HEAVY

Size of can	1 Gal.	5 Gal.
Per gallon	$	

Note: Extra Heavy not carried in stock in cans.

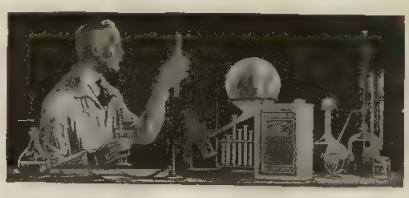
In Steel Drums

Approx. contents, gallons	15	30	55
Weight per drum, lbs.	130	240	410
Per gallon	$		

NOTE: Owing to market changes in prices of oils, we do not show lists, best prices will be quoted on application. An extra charge is made for steel drums, which may be returned for credit when empty.

Wolf's Head Pennsylvania Base Motor Oils are ready sellers with the best class of trade from Maine to California. Have better body, grade for grade, than any other oils on the market.

QUAKER STATE OILS



AN OIL WHICH MEETS ALL REQUIREMENTS

A scientific formula has been evolved for an oil which meets all the varied demands of motor lubrication. Quaker State Medium, the certified oil, is refined exactly on this formula. A chemist not in the employ of the refiners tests every "run" of the oil to make sure that no deviation from any detail of the formula has occurred in the refining process. He puts his seal on each can and barrel of Quaker State Medium sold, and this seal certifies to the following uniform lubricating qualities:

(1) The correct viscosity: maintained the most evenly throughout the wide range of working temperatures.
(2) Greatest resistance to evaporation and burning: "flash" and "fire" points 445 deg. and 500 deg. F.
(3) Easy starting in cool weather: cold test 25 deg. F.
(4) Least carbon deposited in the cylinders: has coke content of 80-100 of 1% (Conradson test) and almost no carbon residue.
(5) Slowest breaking down or sedimentation: absolute purity—no acids nor adulterations.

QUAKER STATE, MEDIUM

In Cans

Size of can	1 Gal.	5 Qt.	5 Gal.
Contents of case	12	6	2
Weight per case, lbs.	125	80	90
Per gallon	$		

In Steel Drums

Approx. Contents, gallons	15	30	50
Weight per drum, lbs	140	240	410
Per gallon	$		

QUAKER STATE TRACTOR OIL

In Cans

Size of can	1 Gal.	5 Gal.
Contents of case	12	2
Weight per case, lbs.	125	90
Per gallon	$	

In Steel Drums

Approx. Contents, gallons	15	30	50
Weight per drum, lbs	140	240	410
Per gallon	$		

QUAKER STATE, HEAVY

In Cans

Size of can	1 Gal.	5 Gal.
Contents of case	12	2
Weight per case, lbs.	125	90
Per gallon	$	

In Steel Drums

Approx. Contents, gallons	15	30	50
Weight per drum, lbs	140	240	410
Per gallon	$		

600 TRANSMISSION OIL

In Cans

Size of can	1 Gal.	5 Gal.
Contents of case	12	2
Weight per case, lbs.	125	90
Per gallon	$	

In Steel Drums

Approx. Contents, gallons	15	30	50
Weight per drum, lbs	140	240	410
Per gallon	$		

QUAKER STATE MOTORCYCLE OIL

In Cans

Size of can	1 Gal.	5 Gal.
Contents of case	12	2
Weight per case, lbs.	125	90
Per gallon	$	

In Steel Drums

Approx. Contents, gallons	15	30	50
Weight per drum, lbs	140	240	410
Per gallon	$		

NOTE: Owing to market changes in prices of oils, we do not print lists, best prices will be quoted on application. An extra charge will be made for steel drums which may be returned for credit when empty.

AUTOMATIC SAND AND MARBLE TOYS

These are the well known Wolverine toys, perfect in operation and handsomely finished; popular sellers everywhere.

"SANDY ANDY"

Car automatically fills from hopper, takes incline, dumps and returns to top.

T3950—Heavy wire frame and uprights; 3 in. hopper, 3¼x1½ in. dump car; base 11 ins. length 10 ins., width 5 ins.; complete with can white sand; handsomely enameled in bright colors, red, yellow and green; size sand tray 10x14x1¾ ins.; each in carton. Dozen ..... .625

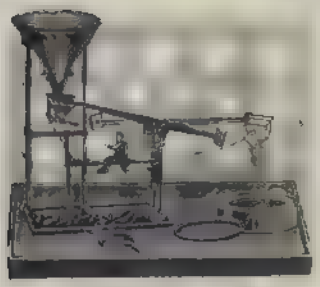
T3951—Same, larger; width 6 ins., length 14 ins.; height 13½ ins.; with can white sand; size tray 14⅞x18x2¼ ins.; each in carton.
Dozen 8.50

T3952—Same, larger; width 8 ins., length 26½ ins., height 17½ ins. with can sand; size tray 20¾x32½x2¾ ins.; each in carton. Dozen.... 11.25

DUMPING SANDY

T3949—Pouring sand into the hopper starts the basket scraping sand automatically as long as any sand remains in the hopper; it can also be dumped in any direction by means of the rack and pinion device at the base; finished in bright colors; complete with sand scoop; large can white sand; containing carton, can readily be converted into tray; height 12 inches; 3½ inch hopper; 3¼x1½ in. car. Size tray 13½x15½x2 ins
Dozen 6.75

SAND CRANE



T3953—Wire and flat steel frame; metal hopper with bucket; engineer operator; when the hopper is filled with sand, the shovel arm swings around in a semi-circle, the little engineer swings in his seat, and pulls the cord in real life-like motion, and the sand is dumped into the can or tray; the action continues automatically as long as sand remains in hopper and repeats when hopper is again filled; size 6x12½ in., 13½ ins. high; size carton tray 15¾x22¾x3 ins.; complete with can sand and scoop.
Dozen . . . 11.25

"BIZZY ANDY" JUNIOR

T3957 Automatic marble toy; a popular priced item with fast, snappy action, bright and to please the youngsters, attractively decorated in colors, and furnished with carton of marbles for operating; size base 2½x6 in., 7 in. high; complete in carton. Dozen.....1.95

"BIZZY ANDY" TRIP HAMMER

T3954—Automatic trip hammer; simulating the action of a real trip hammer when in operation; merely put the marbles in the chute, give the hammer a start and it keeps pounding away at the anvil; sheet steel, strong wire frame, enameled in bright colors; size base 3½x8½ ins.; 10⅛ inches high; each in carton complete with marbles. Dozen 4.20

BOWLER ANDY MILL

T3956—4x5½ in. base, wire frame, supporting bright color fan work of chute, platform, fan wheel and mechanism for running car; marbles are put into chute, the car given a start and the fan wheel continues to revolve rapidly while the car keeps running up and down as long as the marbles are kept in the chute; equipped with patent escapement and rolling shaft — friction ratchet system; height 22 ins.; complete with 6 marbles, in carton, 19x[illegible] ins. Dozen 13.00

SAND PAILS

Made of heavy tin, rolled edges, and finished in bright, durable colors; all numbers with shovels.

T3931—Assorted solid colors, red, green and blue; wire bale; size top 3¾ in.; bottom 2¼ in., 3¼ in. high.
Dozen 45

T3932—Assorted solid colors, green, blue and red, wire bale; size top 5 in., bottom 3½ in., 5 in. high. Dozen.... .85

SPRINKLING CANS

Artistic pattern; baked enamel finished

T3929—Extra well made, heavy tin; green baked enamel finish, gilt stripe; flaring bottom; diam. 4½ ins., 8 ins. high; ½ dozen in carton. Dozen 4.50

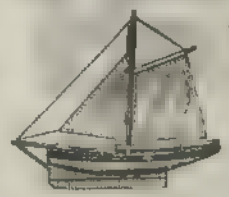
SAIL BOATS

INDIAN CANOES

T4253—9½ inch natural finished striped dished hull; varnished; 2 Indians; 2 seats; 2 paddles; 1 dozen in box. Dozen 2.00

SAIL BOATS

T4239—8¾ inch solid block; steel keel; main mast, gib and main sail; wire guard rail; nicely enameled and striped; 10 ins. high; 1 dozen in box. Dozen 2.15



T4240—8 in. solid block; steel keel; main mast with main and gib sails; wood rail; painted red, blue and black, red striped; ½ dozen in box. Dozen.....4.25

T4261—8¼ in. solid block hull; white enameled; steel keel and rudder, red enameled; guard rail; metal cabin and funnels; 1 dozen in box. Dozen 9.00

T4249—11 in. solid block hull; steel keel and rudder; guard rails; one main mast, with 2 sails and jib sail; nicely finished in bright enamels and striped; height 14 ins.; ½ dozen in box. Dozen 6.00

T4243—14 in. solid block; steel hull and rudder; 2 main masts, 3 main sails and jib sail, 2 life boats; enameled and striped in bright colors; ½ doz. in box. Dozen...6.50

T4245—Same as T4243, larger; 16 in. block; 1/2 dozen in box.
Dozen ....

YACHTS OR SLOOPS

T4258—Solid wood block, 10 in. hull; steel keel; main mast, main sail and jib sail; wire guard rail; nicely enameled in white and colors; ½ dozen in box. Dozen 4.25

Each key of our toy pianos is an accurate tone, the sounds being produced by steel plates.

"SANDY ANDY" SEE SAW

T3948—A new toy with fast action; when the hopper is filled with sand the "see saw" moves up and down, taking sand from the hopper and depositing it in the can below, action being automatic as long as there is sand in the hopper; complete in carton, which can be opened flat to form tray, can of clean, white sand and sand scoop; lithographed in bright colors; height 9 ins.; ½ dozen in package.
Dozen 4.25

CHINA TEA SETS

An extraordinary showing of splendid sellers; dainty, strikingly decorated ware which should be prominent in every Holiday stock; absolutely the best value line of toy china tea sets in the market.

O 6 9 3 0 — Seven piece set, teapot, with cover, creamer, two cups and two saucers, floral decorated, gold striped; in box 4½x7 ins. Dozen ... 2.00

O6951 — Ten piece set; white glazed china, floral decorated, gilt striped; three cups, three saucers, creamer, sugar and tea pot with cover; in box 6½x7½ ins. Dozen 2.15

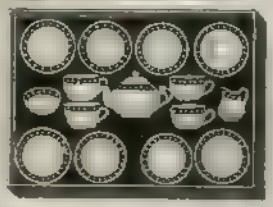
O6959 — Seven piece set; squat shape teapot, sugar, creamer, two cups and two saucers; fine white glazed china, gold banded; in box 6½x9½ ins. Dozen 4.00

O6960—Same as O6959, but floral decorated and blue dolft banded, in box 6½x9½ ins. Dozen OUT

O6953—Ten piece set; three decorations; white glazed china, floral, gold band, and blue band decorated; gold striped; three cups, three saucers, sugar, creamer, squat shape teapot and cover; in box 8½x9½ ins. Dozen 4.25

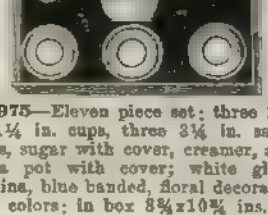
O6954 — Eleven piece set; three cups, three saucers, sugar with cover, creamer, and teapot with cover white china; scroll and floral decorated in colors, gold striped; in box 8½x11 ins. Dozen 4.50

O6970 — Thirteen piece set; white glazed china, floral and gold stripe decorated; 4 2¾ in. saucers, 4 1⅝ x1⅝ in. cups, squat tea pot with cover, creamer and sugar with cover, in box 9¾x11¾ ins. Dozen 8.50

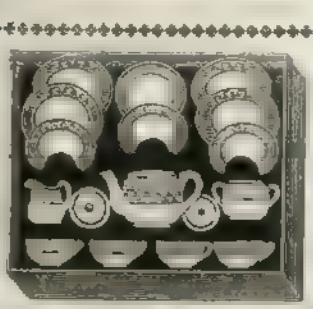


O6967—Sixteen piece set; squat shape tea pot and cover, sugar creamer, four 3 in. plates, four 2⅝ in. saucers and four 1⅞x1¼ in cups; fine white glazed china, gold banded; in box 9½x12¼ ins. Dozen 9.00

O6969—Eleven piece set; three 2¼x1¼ in. cups, three 3 in. saucers, creamer, sugar with cover, 3½ in. coffee pot with cover; fine white glazed china; floral and gold band decorated; in box 9x11¼ ins. Dozen 9.00



O6975—Eleven piece set; three 2¼ x1¼ in. cups, three 3¼ in. saucers, sugar with cover, creamer, and tea pot with cover; white glaze china, blue banded, floral decorated in colors; in box 8¾x10¾ ins. Dozen 9.50

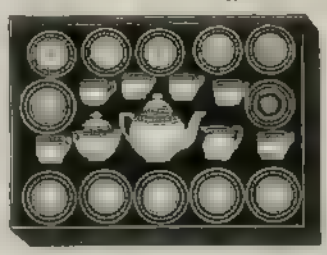


A BEAUTIFUL SET TO RETAIL FOR $1.25

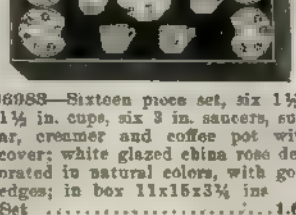
T6973 Seventeen piece set, four 2¼x1¼ in cups, four 3½ in saucers, four 3¾ in plates, sugar with cover, creamer and teapot with cover; white china orange mat banded striped and flora. decorated; in box 10x12 ins. Dozen 10.20

O6976—Sixteen piece set; tea pot and cover, creamer and sugar, six 2¾ in. saucers, six 1⅝x1⅝ in. cups; white glazed china, floral decorated in colors gold traced in box 11x15½ ins. Set 1.15

O6981—Twenty-three piece set; tall shape tea pot and cover, sugar and cover, creamer, six 2½ in. plates, six 2¾ in. saucers, and six 1⅝x 1⅝ in, cups; white glazed china, floral decorated, gold banded; in box 12x16½ ins. Set 1.25

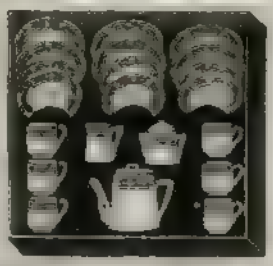


O6971—Twenty-one piece set; tea pot and cover, squat shape; six 2¾ in. plates, six 2¼ in. saucers, six 1⅝x1⅝ in. cups, sugar and creamer; white glazed china, blue banded, gold spot decorated; in box 12¼x16½ ins. Set 1.50



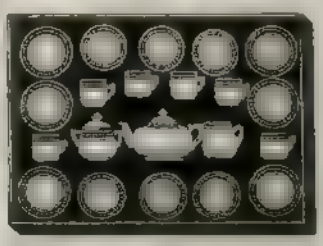
O6983—Sixteen piece set, six 1⅝x 1½ in. cups, six 3 in. saucers, sugar, creamer and coffee pot with cover; white glazed china rose decorated in natural colors, with gold edges; in box 11x15x3¼ ins Set 1.65

O6989½—Thirteen piece set; squat shape tea pot and cover, sugar and cover, creamer, four 3⅜ in. saucers, and four 1¾x1¾ in. cups; fine glazed white china, blue delft banded, gold spot and line decorated; in box 9¼x15 ins. Set 2.00



O6990—Twenty three piece set; 6, 1¾x1¾ in. cups, 6, 3⅜ in. saucers, 6, 4¼ in. plates, creamer, sugar with cover and large tea pot with cover; white glazed china, floral decorated in colors, gold band; in box 13½x14¼ ins. Set 3.25

O6993—Seventeen piece set; large squat shape tea pot and cover, sugar and cover, creamer, six 3 in saucers and six 1⅝x1⅝ in. cups, white glazed china, blue spot with gold line decorations; burnished gold handles; in box 11x15½ ins Set 3.00



O6985 — Twenty-three piece set, squat shape tea pot and cover, creamer, sugar and cover, six 3 in. plates, six 2¾ in. saucers, six 1⅝x 1⅝ in. cups; fine white glazed china, blue delft banded, gold spot chain decorated; in box 13½x18½ ins Set 3.25

SPECIAL DISPLAY BOXES

O6980 — Twenty-three piece set; white glazed china, floral decorated in natural colors; six 2x1¼ in. cups, six 3½ in. saucers, six 4⅛ in. plates, creamer, sugar with cover and 3½x4⅛ in. teapot with cover; in built up display box 10x13 ins. Set 1.50

MAIL US YOUR ORDERS

Items that will put NEW LIFE into your May displays

WOMEN'S SURF SATIN BATHING SUITS

Attached Bloomers

Two new styles in this popular material. Priced so you can make a bigger-than-usual profit on them.

A $4.00 Retail Value

1K1283—Black surf satin, sailors collar, green gabby effect satin belt, pearl buttons. Attached bloomers, elastic ruffled knee. Sizes 36 to 46. SPECIFY SIZES. 1 in box.
Each **$2.35**

A $6.00 Retail Value

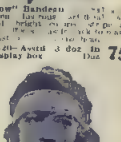
1K1294—Genuine surf satin, black lustrous finish, jersey lined neck and skirt, 3/4 sleeves, bounce on skirt, attached bloomers, elastic ruffled knee. Sizes 36 to 46. SPECIFY SIZES.
Each **$3.95**

BANDEAUS FOR SPORT, SCHOOL AND DRESS WEAR

These are the newest offerings of the market in bandeaux—priced one an exceptional value in its type. The big season is at hand, be sure your stock is up to par with the latest and best.

"Arrow" Bandeau — [illegible] woven satin [illegible] bright [illegible] at both [illegible]

N3420—Assrtd 3 doz in display box
Doz **75c**



Lace Bandeau — [illegible] lustrous satin finish [illegible] with wash [illegible] tight fit perfect [illegible]

N3421 Assrtd colors [illegible] doz. in box
Doz **87c**

"Sport" Bandeau — 20 x 3½ in., woven artificial silk, in a perfect [illegible] across front effect in a large [illegible] net crown full [illegible] size.

N3422 Assrtd. colors. 3 doz. in box.
Doz **$1.10**

WASHABLE ELASTIC SHOULDER STRAPPING

Will not slip from shoulders or bind.

"Hampshire" width ¾ in., artificial silk ribbed center with 3 strands rubber woven into each edge. 3 doz. yds. in pc. in glassine ear.

	Doz
N3810-4—Pink	75c
N3810-5—White	
N3810-6—Peach	
N3810-7—Orchid	85c

CROWN EDGE RIBBON

New attractive rainbow color effects

N3883—Width 5 7/8 in., heavy wt. artificial silk ground, satin weave with satin stripe crown edge, variegated rainbow color effects. 10 yds in pc. SPECIFY COLORS

COLOR LINE—

Maize ground, Orange " Sand "		Cerise ground, Jade " Brown "	Black ground Red " Pc **65c**

IMPORTED ORGANDIE MEDALLIONS

The newest trimming for dresses, hats, bedspreads, lamp shades, etc. The small size is especially adapted for children's wear

N8256—[illegible] rosette pattern, floral [illegible] effect [illegible] Assrtd 12 doz in display cabinet
Doz **38c**

N8254—[illegible] butterfly pattern [illegible] Assrtd 6 doz in display cabinet
Doz **72c**

NOVELTY ROSEBUD TRIMMING

Used for trimming Lingerie, boudoir caps, infants' wear, millinery, etc.

N3250—3 styles novelty ribbon [illegible] Assrtd 1 doz in display box
Doz **75c**

LINGERIE BUD TRIMS

The newest sets for trimming dresses and lingerie big sellers during the spring and summer.

N3250 3 styles 4 colors of each [illegible] Assrtd 1 doz sets in display box
Doz sets **$4.75**

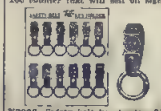
LEG VANITY COMB

A European novelty comb that is very much in demand. Equal in finish and appearance to combs retailing at 25c and more.

N2697—Leg vanity comb, 5x1 1/4 in., celluloid, strongly made, moulded, dual coarse teeth, embossed shoe and garter, assrtd color markings with contrasting shoe and garter. Assrtd. 1 doz. in box.....Doz **64c**

SAFETY BELT KEY HOLDERS

Two new novelties for your 5 and 10c counter that will sell on sight.



N2608—Safety belt key holder [illegible] Assrtd 1 doz in display box
Doz **36c**

N200—Novelty belt key holder, [illegible] Assrtd 1 doz in card
Doz **75c**

"LION" MOTH PROOF GARMENT BAGS

Heads the list of fast selling garments bags. A good item for a feature now

Cedar Odor—Made of heavy blue kraft, 20 in. wide, has special catch making bag absolutely moth-proof

Length Wrapped	36 in	45 in
W2245—45 in.	50c	45c
W2249—57 "	55c	60c
W2250—65 "	60c	55c

METAL TRIMMING BUTTONS

Very popular trim for women's tailored suits, dresses, etc. Highly polished will not tarnish

Ball Shape Sew through self shank effect. Highly polished nickel finish. Assrtd sizes. 24 buttons on card 1 gro (6 cards) in box.

GILT—

N8626-10—Size 10	Gro	63c
N8626-12—" 12	"	72c
N8626-14—" 14	"	82c

SILVER—

N8629-10—Size 10	Gro	63c
N8629-12—" 12	"	72c
N8629-14—" 14	"	82c

Semi-Ball Shape Flat top, new thumb self shank effect, highly polished. Solid sizes. 24 buttons on card 1 gro (6 cards) in box.

GILT—

N8626-10—Size 10 ....Gro		50c
N8626-12—" 12	"	60c
N8626-14—" 14	"	70c

SILVER—

N8629-10—Size 10	Gro	50c
N8627-12—" 12	"	60c
N8627-14—" 14	"	70c

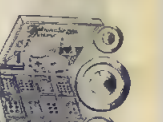
IMPORTED METAL TRIMMING BUTTONS

Two very good values

N8881 4 hole, 3 sizes, highly polished nickel finish, cross-eye center, 12 buttons on card, assrtd as follows

Sizes	3	4	5
Buttons on Card	12	6	4
Cards	24	24	24

Assrtd 4 doz cards in display box
Doz cards **75c**



N8805—Self shank, 3 sizes, gold and silver finishes, novelty cone shape with polished rim and center, assrtd as follows

Sizes	3	4	6
Buttons on Card	12	6	4
Cards	24	24	24

Assrtd 6 doz. cards in display carton.
Doz cards **$1.20**

Fast Selling Wood Toys

BEAD DOLL

Bead Doll. Made of assorted colored varnished hardwood beads, strung on wax thread to which is attached bead. Height 6¼ in. from head to feet. One dozen in package

No. 39N111. Per gross 9.60
Per dozen .85

BEAD DOLL

Bead Doll. Made of hardwood beads varnished in assorted colors with bells on feet and rubber teething ring on end of waxed string. A beautiful item which is sure to make a hit with the kiddies. Height from head to feet 6 inches. Each in box, one dozen in package

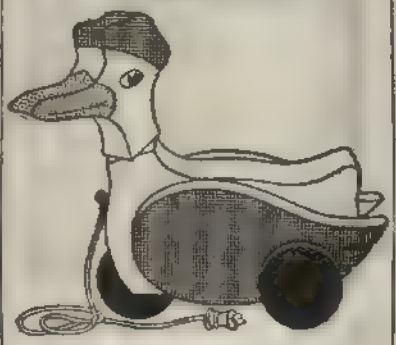
No. 39N112. Per dozen .

TOM TINKER

Tom Tinker. No baby's happiness is quite complete without Tom Tinker the ideal companion. To the eye Tom presents a front most amazing. Seemingly all the bright colors in the world are gathered into this little man's body. Perhaps that's why the babies insist on his company. And then he is so comfortable. Made entirely of round balls. No sharp corners or edges to hurt soft hands. The colors do not lick off or suck off, or bite off. They are absolutely fast, and are, furthermore, covered with a coating of elastic celluloid shellac. Each in box, size 8½x2½x2⅛ inches.

No. 39N104. Per dozen..... 4.68

DADDY DUCK



Daddy Duck. One of the nicest pull toys ever turned out. A cute little Donald, size 10x8 inches, made of 1⅛ inch wood, covered with high gloss enamel, yellow body and red wings and cap. Black hardwood wheels. String attached for pulling. Each in box

No. 39N100. Per dozen 4.25

BUNNY

Bunny. A most attractive wood pull toy. Beautiful high gloss enamel finish, in the daintiest, most appealing white and pink. Size 10x7 inches. Made of 1⅛ inch thickness wood. Hardwood black wheels. Pull string included. Each in box

No. 39N101. Per dozen..... 4.25

TINKER TOY—THE WONDER BUILDER

Made entirely of smooth white birch rods and connecting hubs that can be assembled in a thousand and one different ways. Direction book packed with each set showing many models such as merry-go-rounds, swings, windmills, airships, towers, bridges, furniture, toy men, animals, etc. A second or third set can be added to build models of larger size. Each complete set in metal end screw top container that can be mailed

No. 39N105. Per dozen 5.88

Felix—The Movie Cat. This is the original Felix. As to popularity Felix needs no introduction, as many newspapers throughout the country run daily columns on Felix's antics. Felix is made of many joints and can be twisted into many funny positions. Made of wood with leather ears. Finished in black with white features. Made in two sizes

No. 1N279. Height, 4 in. 1 dozen in box. Per dozen 2.25

No. 41N22. Height, 8 in. Each in box. Per dozen 10.00

Toy Cutlery and Cooking Sets

ALUMINUM KNIFE, FORK, SPOON

Pure Cast Aluminum Toy Knife, Fork and Spoon Set. Three dainty pieces almost large enough for baby. Knife about 4 inches long. Other pieces in proportion. Shaped handles in assorted designs. Three pieces on card. One dozen cards in box.

No. 4N3.

Per gro. cards 4.75 | Doz. cards .50

ALUMINUM 4-PIECE SET

Aluminum Toy Cutlery Set of Knife, Fork, Teaspoon and Soup Spoon, large enough for baby, particularly attractive for playing house, or for prizes or favors for grown ups. The knife is 1⅝ inches long. Other pieces in proportion. Assorted design handles. Four pieces sewed on card. One dozen cards in box.

No. 4N1.

Gro. cards 3.00 | Doz. cards .30

This 11-Piece Cooking Set is a big seller. Made of cast aluminum and highly polished. Each piece is perfect in every detail. Pan cake turner 5 inches long. Other pieces in proportion. 11 pieces on card, as illustrated above.

No. 4N21. Per doz. cards .. 1.85

MINIATURE STOVE

Here is a real attractive item that will prove to be a very popular seller. A Miniature Toy Stove, the exact reproduction of the big stove seen in the kitchen. Made of aluminum bronze and has "one burner" 3⅝ inches high, 2⅝ in. wide. Packed one dozen in box.

No. 38N44. Per dozen. 2.00

COMPLETE ALUMINUM SET

Complete Aluminum Set. Consists of tea cup diameter 1⅞ inch, 2¾ inch plate, 2½ in. saucer, knife, fork and spoon. All made of aluminum. Each set sewed on card. One dozen cards in box.

No. 4N77.

Per doz. cards 1.25

ALUMINUM TOY COOKING SET

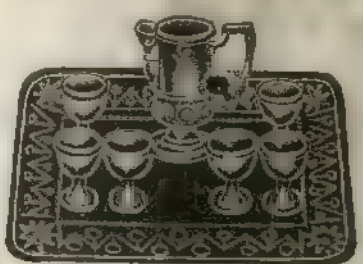
Very small dainty pieces. Not as large as set 14C254. Fine for playing house. Two each, roasting pan, skillet, dipper, cake pan, kettle and saucepan. Skillet two inches in diameter. Other pieces in proportion. One dozen assorted pieces in box.

No. 7N81. Per dozen..... .35

Miniature sets for the doll house. Made of white metal silver finish accurately modeled like real set. No 4N30 packed each in box, the others are packed each set in strong envelope with picture on outside.

8-Piece Tea Set. 2 each cups and saucers, also creamer, sugar, teapot and tray.

No. 4N79. Per dozen..... .60



8-Piece Lemonade Set. 6 goblets, pitcher and tray.

No. 4N76. Per dozen..... .60

22-Piece Tea Set. 6 each cups, saucers and spoons, also sugar, creamer, teapot and tray.

No. 4N30. Per doz. sets..... 1.25

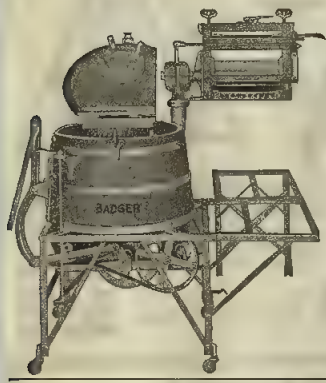
WASHING MACHINES

"BADGER" WASHING MACHINE

Hand Power

W3725—Large cypress tub, hoop dried, with lid of same; is in choice of ends and fastenings, corrugated combination pump handle lever, position can be changed almost instantly large fly wheel which gives high speed and makes machine easy running. 1 in crate, 91 lbs.
Each **$13.25**

"BADGER" ELECTRIC WASHER



Tub—Cypress, natural finish varnished with water resisting colorless varnish, sides and bottom of handle corrugated. No corrugated sharp corners or splinters, drain in bottom.

Dolly Type—Peg dasher, operated from the head of washer.

Wringer—25 in rolls adjustable for any position. Safety release, instantly releases rolls should occasion arise, locks in any of 3 positions. Special foot cable eliminates danger of getting fingers in rolls.

Motor—¼ H. P. for alternating current, 110 volts 60 cycles. Be sure to specify current, voltage and cycle wanted.

Driving Mechanism—Mounted on solid metal base which insures perfect alignment. Belt drive.

Control Levers—One lever controls the operation of washer another the wringer.

Frame—Angle iron, solidly braced. Bench part of frame can be folded when not in use. Holds 4 inches of water. 3 extra large heavy casters.

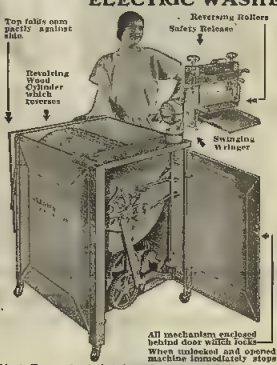
W3728—1 in crate, 297 lbs
Each **$68.50**

BADGER "QUEEN" ELECTRIC WASHING MACHINE

Dolly Type

W3740—Dolly type, ¼ H. P. motor, 110 volts, alternating current 60 cycles. Can furnish also for direct current at slight delay. Genuine Louisiana cypress tub, fully corrugated, casters on legs for easy moving. Mechanism substantially built, frame of cast iron. All parts subject to strain are made of malleable iron. Be sure to specify current, voltage and cycle wanted. 1 in crate, 130 lbs
Each **$36.75**

ELECTRIC WASHER


Top folds over pads against skin
Reversing Rollers
Safety Release
Revolving Wood Cylinder which reverses
Swinging Wringer
All mechanism enclosed behind door which locks—
When unlocked and opened machine immediately stops

Cabinet—Heavy galvanized steel, pearl gray enameled door on one side permits access to working parts, safety device automatically stops machine when door is opened.

Cylinder—Inlaid maple, rimless so not come in contact with any metal parts. Cylinder reverses at each complete revolution. 8 sheet capacity.

Wringer—Adjustable to any position, 23 in rolls. Safety release at top instantly releases rolls should occasion arise.

Motor—¼ H. P. for alternating current, 110 volts, 60 cycles. Can furnish motor for direct current at slight delay. Be sure to specify current, voltage and cycle wanted.

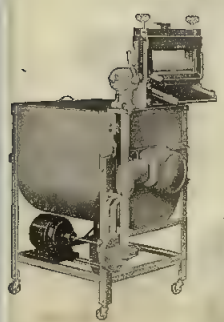
Driving Mechanism—Noiseless, mounted on solid metal base, cannot get out of alignment.

Frame—Built of angle iron, perfectly braced to eliminate vibration. Heavy casters.

Control Levers—One lever controls the operation of washer, another controls the wringer.

W3729—Heavy galvanized iron tub. 1 in crate, 340 lbs
Each **$89.00**

W3730—Copper tub. 1 in crate 360 lbs.
Each **$105.00**



Aladdin Model "D" ELECTRIC WASHER

Cylinder Type

Durable and lasting up-to-date washer at Record **Breaking Prices.**

Size 23 in. wide 24 in. long, 36 in high

Body—Heavy galvanized steel double seamed, smooth finish cover with handle, gray enameled finish.

Cylinder—Blue body, perforated, rustproof, light in weight, easily removed. Revolves 8 times and reverses. 8 sheet capacity.

Wringer—Adjustable, to any position, 23 in. rubber rolls, safety release at top.

Motor—Full ¼ H. P. for alternating current, 110 volt, 60 cycles. Can furnish motor for direct current same price. Be sure to specify current voltage and cycle wanted.

Mechanism—Vertical driving shaft, all moving parts except motor shaft inclosed, special patented reversing mechanism. Special pulley on motor shaft can be used to run other household appliances.

Control Levers—One lever controls the operation of washer, another controls the wringer.

W3719—Galvanized steel body, crated, 200 lbs.
Each **$78.00**

W3720—Copper body, crated, 200 lbs.
Each **89.00**

With metal wringer $3.75 extra.

Shipped F. O. B. Factory near Chicago

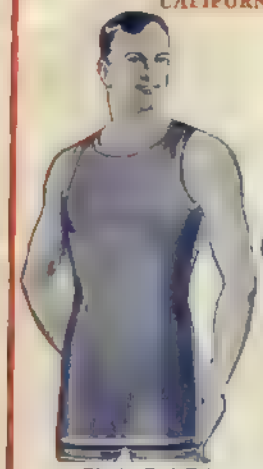
"SIPH-O" EJECTOR

Made to facilitate filling and emptying washing machines or emptying flooded cellars.

W3359—All metal parts nickel plated, standard construction, attachment for hot water faucet, equipped with 5 ft heavy rubber hose, an absolute necessity for filling or emptying any kind of washing machine. 4 lbs
Each **$2.00**

BATHING GOODS

CALIFORNIA STYLE



Black, Red Trim

COTTON Rib Knit. Medium weight and gauge, ribbed arm-holes, back and trunks specially cut and trunks and crotch are proportioned for fine shape. Sizes 36 to 48

1K1200 — ½ doz. in box. Doz. $9.00

Navy or Cardinal

ALL WOOL Jersey Knit. 100% pure worsted, fine gauge, medium weight. Reinforced crotch. SPECIFY SIZES. 1 in box

1K1208 Navy, sizes 36 to 46
1K1209 Cardinal, sizes 36 to 44

Each $2.10

Navy, 2 Color Stripe

ALL WOOL, Jersey Knit — 100% pure worsted, fine gauge, medium weight, worsted yarn, full double crotch, reinforced seams. Sizes 34 to 46

1K1233 — 1 in box. Each $2.35

Navy, Contrasting Stripe

PURE WORSTED Rib Knit — Heavy weight, navy color, reinforced seams, double fabric crotch. Sizes 36 to 50. 1 in box

Each

1K1167—Navy
1K1168—Cardinal } $3.85

2 PC. LIFE GUARD

White Shirt, Blue Trunks

COTTON, Jersey Knit. 2 pc. life guard shirt and trunks of soft cotton jersey. Sizes 36 to 44. SPECIFY SIZES

1K1204 — ½ doz. in box. Doz. $8.00

1 PC. LIFE GUARD

ALL WOOL Fine ribbed Jersey knit, reinforced seams, double fabric crotch, 4 belt loops. Sizes 36 to 46. 1 in box

1K1228 White shirt, navy stripe, navy skirt & trunks
1K1227 Cardinal shirt, black stripe, black skirt and trunks. Each $2.65

Men's 2 Pc. Life Guard Suit

Reinforced Worsted—All worsted fabric backed with single layer of cotton thread, gives added durability and weight, medium gauge jersey knit. 4 button crotch strap. 2 in stripes 5 inch loop sewn trunks reinforced seams. Sizes 36 to 44. SPECIFY SIZES. 1 in box

1K1238—BLACK & WHITE striped shirt, NAVY BLUE trunks.

1K1239—BLACK & ORANGE striped shirt, BLACK trunks

EACH **$3.25**

BOYS' CALIFORNIA STYLES

Black, Red Trim

Cotton, Jersey knit BLACK [illegible] Sizes [illegible] to 34. SPECIFY SIZES

1K1186 — 1 doz. in box. Doz. $5.95

Solid Green or Cardinal

ALL WOOL Jersey knit. Fine gauge, 100% pure worsted yarn. Sizes 26 to 34. SPECIFY SIZES. 1 in box. Each

1K1191 Jade green
1K1187 Cardinal } $1.85

White Shirt, Navy Trunks

ALL WOOL Jersey Knit 100% pure worsted fine gauge NAVY blue woven chest stripe. Sizes 28 to 34. Each

1K1198 — 1 in box. $2.15

CHIN STRAP SWIMMING CAP

Pure Gum Molded

Men's chin strap. Will cut snug [illegible] fit down well over ears

1K1388 — [illegible] doz. in box

Doz. $4.25

"HOOD'S" RUBBER BATHING SHOE

MEN'S Sizes 7 to 11. SPECIFY SIZES

1K1386 — Solid black

Doz. pairs $8.40

BATHING GOODS

CALIFORNIA STYLES FOR WOMEN

Black—White Trim

COTTON, Rib Knit—Medium weight and good appearance; elastic stretch; pure dye; shrink proof; long arm and neck and crotch; reinforced for rowing purposes at both places. Sizes 30 to 40. SPECIFY SIZES.

1K1285—½ doz. in box. Doz. $8.00

Red or Blue

ALL WOOL, Jersey Knit—Fine gauge 100% pure worsted yarn; elastic web at waist; double fabric crotch; white web trimmed belt; novelty plaid effect at knee; contrast color. Sizes 34 to 44. 1 in box.

1K1286—Jockey Red

1K1287—Peacock Blue. Each $2.35

Navy with Blue Stripe or Blue with Gold Stripe

ALL WOOL, Rib Stitch—Extra fine 100% pure worsted yarn; elastic web at waist; full double fabric crotch. Sizes 34 to 44. 1 in box.

1K1290—Navy, Blue Stripe

1K1291—Blue, Gold Stripe. Each $3.85

CALIFORNIA STYLES FOR MISSES'

Black, Red Trim

COTTON, Jersey Knit—Medium weight jockey red trim. Sizes 26 to 34. SPECIFY SIZES.

1K1186—½ doz. in box. Doz. $6.75

Blue or Red

ALL WOOL, Jersey Knit—Fine gauge 100% worsted yarn; fast color. Sizes 26 to 34. SPECIFY SIZES. 1 in box.

1K1276—Powder Blue

1K1277—Jockey Red. Each $1.95

Blue or Tangerine

REINFORCED WORSTED Jersey Knit—Pure dye; ribbed welt; single cotton thread; fine gauge selected yarn; worsted shrunk stripe. Sizes 26 to 34. 1 in box.

1K1274—Peacock Blue

1K1275—Tangerine. Each $2.25

Women's All Wool California Style Suit

The greatest suit in the country at this price. All wool, solid bright colors, elastic knit—perfect fitting.

All Wool, Close Knit—Elastic web, full double fabric crotch, selected yarn snug fitting. Sizes 36 to 46. 1 in envelope

1K1162—Navy
1K1163—Cardinal
1K1164—Emerald
1K1170—Black

EACH **$2.75**

A SUIT FOR THE YOUNGSTER

ALL WOOL, Jersey Knit—1 piece 100% pure worsted; opens at shoulder; 2 belt loops; white canvas belt; patent snap fastener buckle. Sizes 24 to 28. SPECIFY SIZES.

1K1160—1 in envelope. Each $1.05

BATHING CAPS and SHOES

6 styles, full size, trimmed with new up-to-the-minute trims, 6 colors

1K1370—Asstd. 1 doz. in box. Doz. $2.00

Divers' style, 4 asstd. colors, welded seams contrasting bands, extra roomy and protected

1K1151—Asstd. 2 doz. in envelope. Doz. 75c

Aviator model, fits down well over ears, adjustable rubber chin strap, made of asstd. rubber. Asstd. red, blue, green and black. Doz.

1K1175—1 doz. in box. $3.25

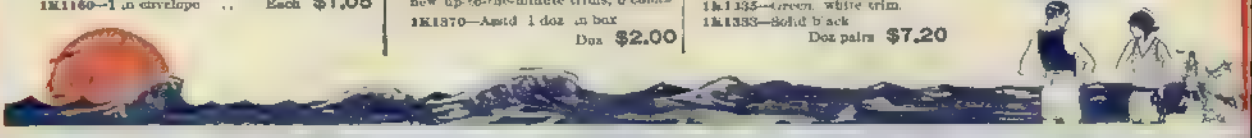
"HOOD'S" RUBBER SHOES

Tough flexible rubber tire tread; stock hold shape; brown rubber sole, toe and upper made liquid-like by steam-cure process, bright snow finish

WOMEN'S—Sizes 3 to 7

1K1132—Red, white trim.
1K1134—Blue, white trim.
1K1135—Green, white trim.
1K1333—Solid black

Doz. pairs $7.20



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Books more Racing Cars—Underwrites more Race Meets—Conducts Races at more Fairs—Books Cars and Drivers that hold more World's Records than all the other Automobile Racing Interests in the World Combined.

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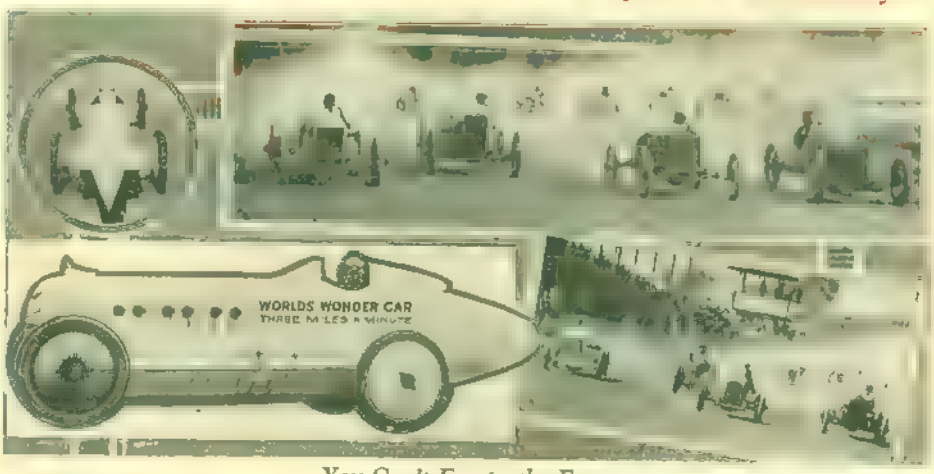

You Can't Escape the Facts

The Evolution of the Fair Business Demands the Use of Auto Races

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And Hundreds of Other State and District Fairs

Do you want the fastest thing on Earth—The World's Wonder Car—Or the Speedway Winners or the World's Fastest Dirt Track Cars? WE HAVE THEM.

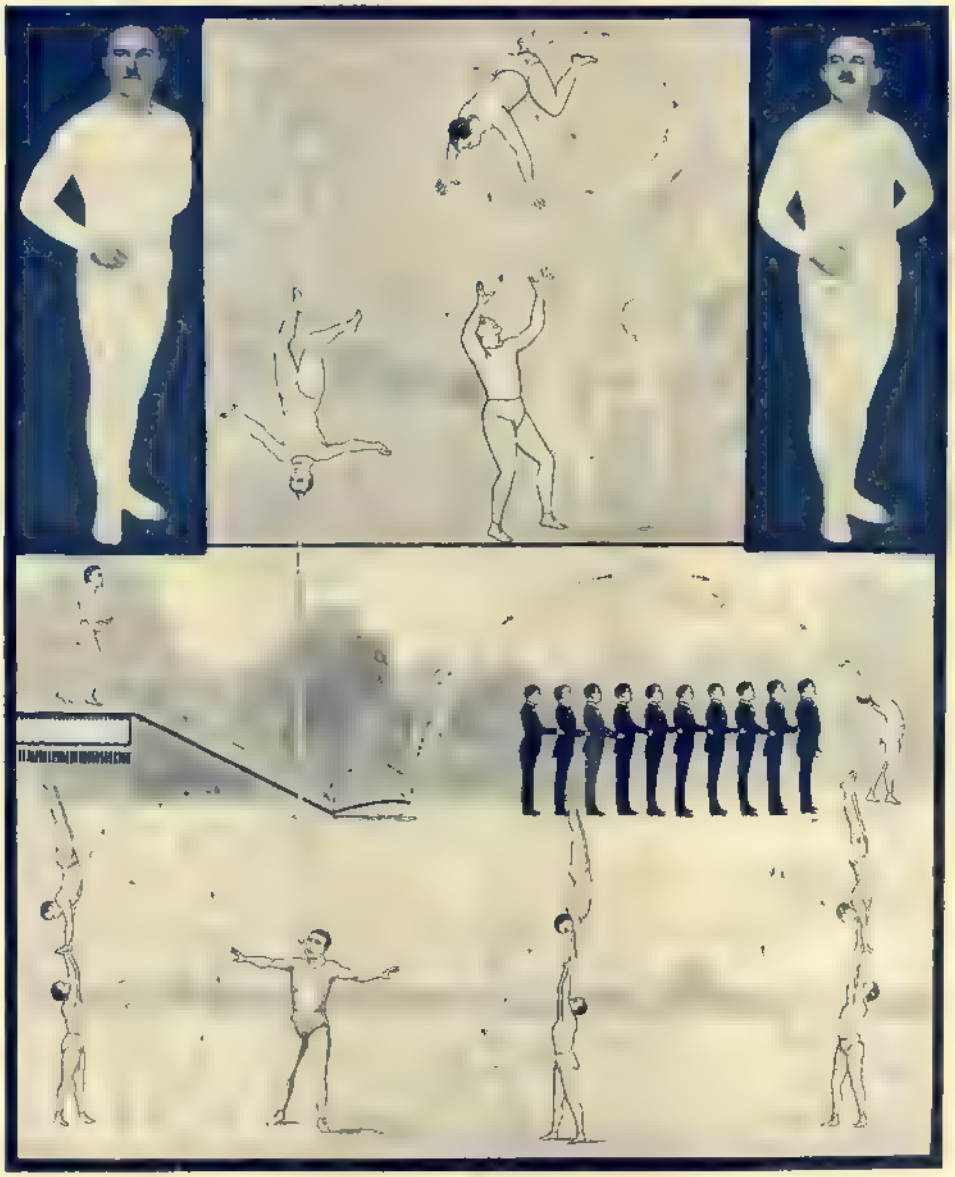
EVERY ACT IN THIS CATALOG CONTROLLED EXCLUSIVELY BY WORLD AMUSEMENT SERVICE ASSOCIATION, Inc.

"SERVICE and SATISFACTION"

WE THAT LIVE TO PLEASE

THE BROTHERS BOSTON

MUST PLEASE TO LIVE



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AN UNBROKEN RECORD OF SATISFACTION

AERIAL HAND VAULTING

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YACOPI TROUPE

Pretentious and Original Entertainment

Triumphant Sequence of Feature Stunts
Seemingly Impossible, Yet Surely Accomplished.

NEW SENSATIONS FROM THE OLD WORLD

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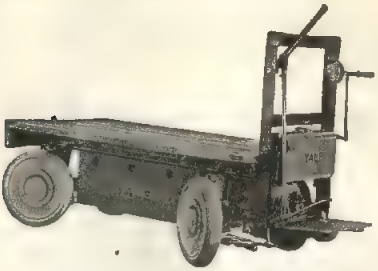


Yale Narrow High Platform Truck

No. 1491-K20

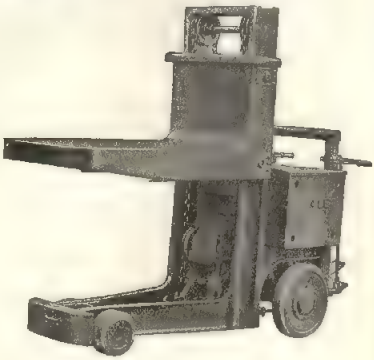
This model meets the general requirements of economical inter-plant movement of material. It has a capacity of 4,000 lbs. and a platform of 38 by 84 inches.

Auxiliary equipment for this truck includes a gravity dump body for handling loose material and an electrically operated swinging boom crane. Model **K21** is the same as Mode. **K20**, but with platform 46 inches wide.

Yale Elevating Platform Truck

No. 1492 K22

This model is a self-loading transportation unit, combining the advantages of high and low lifting. It is used to lift loaded skids from the floor, transport them to a given place and raise them to such a height that the cost of stacking or tiering in storeroom, freight car, etc., is reduced to a minimum. The capacity is 4,000 lbs.



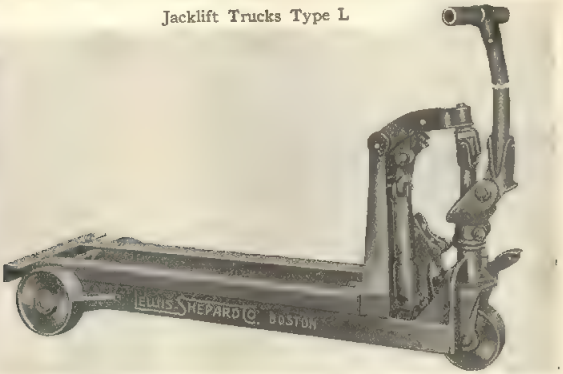
Yale Three-wheel Tractor Truck

No. 1493

This model is a three-wheel tractor and its clear deck space makes it available also as a small load carrying truck for service in the most congested spaces. The low centre of gravity of this machine is a notable achievement for safety of operation. The common occurrences of overturning against stalling loads or tipping over sideways while rounding a corner are eliminated.

The normal drawbar pull is 400 lbs., and the maximum 1,800 lbs. The platform load capacity is 3,000 lbs. and the platform space 11 sq. ft.

Jacklift Trucks Type L



No. 1489—Capacity, 2500 pounds; Vertical lift, 2½ inches; Leverage, 25 to 1.

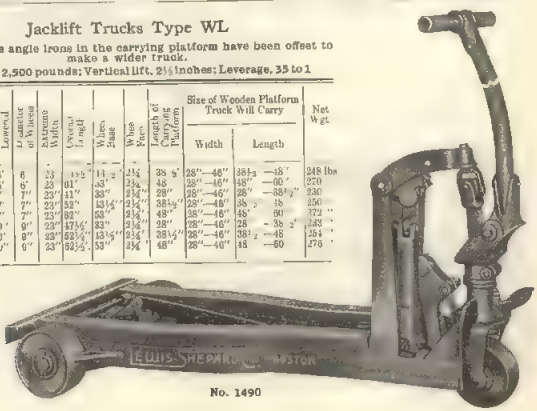
Model	Height Lowered	Span of Wheels	Minimum Width	Overall Length	Wheel Base	Wheel Face	Length Carrying Platform	Size of Wooden Platform Truck Will Carry				Net Weight
								Width		Length		
1489-6L	6″	6″	17″	41″	33″	24¼″	28″	22″	—38″	28″	—38½″	2,7 lbs
1489-6LB	6	6 ′	17 ′	51 3″	43½″	24¼″	38½″	22″	38″	38½″	—48″	290 ′
1489-6LC	6″	6″	17″	61″	53″	24¼″	48″	22″	—36″	48	—60″	265 ′
1489-7L	7″	7 ′	17	41″	33″	24¼″	28″	22″	36″	28	—38½ ′	240 ′
1489-7LB	7″	7″	17	51½ ′	43½	24¼	38½ ′	22	36	38 ½	—48 ′	240 ′
1489-7LC	7″	7′	17	61 ′	53 ′	24¼	48′	22	—36′	48	—60 ′	228 ′
1489 9L	9″	9	17 ′	171 ′	33 ′	24¼ ′	28	22	—35 ′	28	38½ ′	225 ″
1489-9LB	9″	9′	17	51½ ′	43 ″	24¼ ′	38½	22′	34′	38 ½	48 ′	242 ′
1489-9LC	9″	9 ′	17	6 ′	53 ′	24¼ ′	48′	22′	-36	48 ′	60 ′	261 ′

Jacklift Trucks Type WL

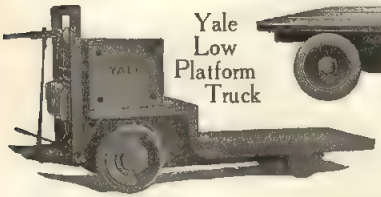
Note that the angle irons in the carrying platform have been offset to make a wider truck.

Capacity, 2,500 pounds; Vertical lift, 2½ inches; Leverage, 35 to 1

Model	Height Lowered	Diameter of Wheels	Minimum Width	Overall Length	Wheel Base	Wheel Face	Length of Carrying Platform	Size of Wooden Platform Truck Will Carry				Net Wgt.
								Width		Length		
1490-6WLB	6′	6	23	13½	14 ,,	23¼	38 ′	28″	—48″	38½	—48 ′	248 lbs
1490-6WLC	6′	6′	23	01″	53′	23¼	48	28″	—48″	48″	—60 ′	270
1490-7 WL	7	7″	23″	41″	33″	23¼″	28″	28″	—46″	28″	—38½″	230
1490-7WLB	7′	7″	23″	52″	43½″	23¼″	38½″	28″	—48″	38 ′	48	250
1490-7WLC	7′	7′	23″	62″	53″	23¼ ′	48″	28″	—48″	48′	60′	272 ″
1490-9WL	9′	9″	23″	17½″	33″	23¼″	28″	28″	—46″	28	- 38 ′	242 ″
1490-9WLB	9′	9″	23″	52½″	43½″	23¼″	38½″	28″	—48	38½	48	264 ′
1490-9WLC	9″	9″	23″	62½″	53″	23¼ ′	48″	28″	—60″	48	—60	276 ′



No. 1490



Yale Low Platform Truck

No. 1494-K23

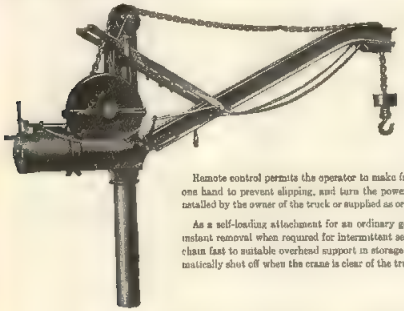
This is a general utility truck which finds its application in plants and shops where loads of a miscellaneous character must be economically moved. The low platform reduces lifting to a minimum, making it easier to pile heavy loads on the truck either by hand or auxiliary crane equipment. The capacity is 4,000 lbs., and platform size 33" by 60".

Yale Trailer

No. 1495-C-6-36

This model is built for the severest service, and the heaviest duty with the maximum of efficiency. Perfect trailing through a properly arranged system of accurately steering all four wheels, keeps the trailer in line whether straight or curved, behind the trailer.

The Yale Trailer has a platform 36 inches wide by 72 inches long 18 inches from the ground, with a carrying capacity of 4,000 lbs.



Yale Electric Crane

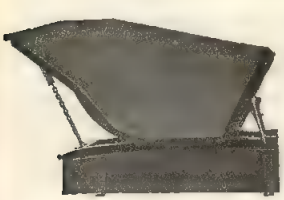
No. 1496

The Yale Electric Crane may be mounted on Yale Industrial Trucks, Models **K20, K21** and **K23,** for service where material too heavy to be loaded by hand must be transported horizontally, the work being accomplished by a single mechanical and electrical unit, and one man.

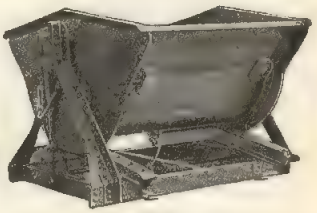
Remote control permits the operator to make fast to his load, hold the sling on the load with one hand to prevent slipping, and turn the power on or off with the other. The crane may be installed by the owner of the truck or supplied as original factory equipment.

As a self-loading attachment for an ordinary general utility truck, the crane is arranged for instant removal when required for intermittent service. To remove crane, simply make hoisting chain fast to suitable overhead support in storage space and turn on power, which will be automatically shut off when the crane is clear of the truck.

Yale Detachable End-Dump and Side-Dump Bodies



No. 1497 End Dump



No. 1498 Side Dump

Yale Electric Industrial Trucks can be equipped with detachable side and end-dump bodies. There are various models designed especially for use on the **K20, K21, K22 and K23** trucks, and the trailers.

These dump bodies are made in five different sizes having various over-all widths, lengths and clearances with capacities for both end and side-dump bodies as follows:

14 cu. ft., 21 cu. ft., 27 cu. ft., 34 cu. ft., 40 cu. ft.

An automatic lever holds the body in a rigid position when being loaded. The weight of the material and the sloping design of the framework make the body roll into a dumping position when the lever is released. The dumping angle of these various bodies is steep enough to completely expel any kind of loose material.

WHEELER AND WHEELER

Exponents of Whirlwind Roller Skating

The Perfect Artistry of Graceful Motion—Specializing in Spectacular Gyrations Such as Pivots, Spins and Intricate Whirls, for which a Special Skating Floor is Carried

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"SERVICE and SATISFACTION"

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Zelias Sisters

Duplicate Human Butterflies

Class From Every Standpoint

EVERY STUNT A DOUBLE ONE

AN ACROBATIC NOVELTY

COASTER SLEDS

ZEV FLYER

Tops are made of best rock elm, beautifully painted and decorated, highest quality flexible crucible spring steel I shaped runners, so curved in front to give a maximum length of steering surface, braced with strong stamped steel knees, gear and runners finished in red enamel.

Steering bar works perfectly, the sled responding instantly to the slightest bend in steel runners without retarding speed of sled a particle.

Nos	130	131	132
Length, in	33	36	40
Width, in	11	12	13
Height, in.	6	6	6¼
Shipping weight dozen, lbs	76	88	100
Each	$2.10	2.60	3.10

Nos. 130 and 131 carries one grown-up, No. 132 carries one grown-up or two kids.

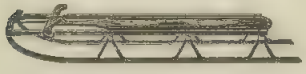
ZEV FLYER

Rock elm top, beautifully painted and decorated, highest quality flexible crucible spring steel I shaped runner, braced with strong stamped steel knives, gear and runners finished in red enamel.

Each

No. 133—Carries 2 grown-ups or 3 kids, length 45 in., width 14 in., height 6¼ in., weight each 10 lbs. $3 85

No. 134—Carries 2 grown-ups or 3 or 4 kids, length 50 in., width 14 in., height 6½ in., weight each 11 lbs. 4.50



Each

No. 135—Carries 3 grown-ups or 4 or 5 kids, length 62 in., width 16 in., height 6½ in., weight each 15 lbs. $5.85

ZEV FLYER RACER

Each

No. 136—Carries 3 good sized boys, length 56 in., width 13 in., height 6¼ in., weight each 12 lbs. $5 20

All Above 2 in a Bundle.

ROLLER SKATES

UNION, EXTENSION

Children's

Self contained ball bearing steel rolls, nickel plated, best cold rolled Swedish steel top, truck, clamps and stampings, oscillating trucks with best rubber cushions, key toe clamp, half strap heel with formed loops protecting straps, best grain leather straps.

Per Pair

No. 4—Extends from 6½ to 8½ in., weight per pair 2¾ pounds $2.50

One Pair in a Package.

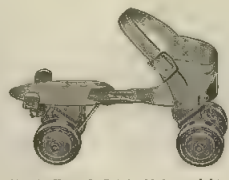
Men's

Self contained ball bearing steel rolls, nickel plated, best cold rolled Swedish steel top, truck, clamps and stampings, oscillating trucks with best rubber cushions, key toe clamp, half strap heel with formed loops protecting straps, best grain leather straps.

Per Pair

No. 5—Extends 8½ to 10¾ in., weight per pair 4¼ lbs. $2.50

One Pair in a Package



Women's

Self contained ball bearing steel rolls, nickel plated, best cold rolled Swedish steel top, truck, clamps and stampings, oscillating trucks with best rubber cushions, key toe clamps, full strap heel, best grain leather

Per Pair

No. 6—Extends 7½ to 10 in., weight per pair 4¼ lbs. $2.75

One Pair in a Package.

SKATE ROLLS

Per 100

No. S.C.B.—Steel, self-contained ball bearing, for Nos. 4, 5, 6 $20.00

Weight per 100 About 12½ Pounds.

Open Stock

HOCKEY SKATING OUTFITS

TUBE HOCKEY

These skates are made of the best material procurable and constructed in accordance with latest designs. Tubes of special construction, giving great strength

Shoes are high grade, Goodyear Welt and will give satisfaction

Men's

	Per Pair
No. 90—Gray enamel	$10 00
No. 190—Nickel plated	12.00

Women's

	Per Pair
No. 90L—Gray enamel	$10.00
No. 190L—Nickel plated	12.00

Order By Shoe Size

Men's shoe sizes, 4, 5, 6, 7, 8, 9, 10, 11.
Women's shoe sizes, 3, 4, 5, 6, 7, 8, 9.

One Pair in a Box.

RACING SKATING OUTFITS

TUBE RACER

Fine quality steel runners, hardened and tempered, strong tube runners.

Men's

	Per Pair
No. 95—Gray enamel	$10 00
No. 195—Nickel plated	12 00

Women's

	Per Pair
No. 95L—Gray enamel	$10 00
No. 195L—Nickel plated	12 00

Order by Shoe Size and Specify Length of Runner

Sizes 9 to 10½ inc.	14 inch runners
Sizes 10 to 11½ inc.	16 inch runners
Sizes 11 to 12 inc.	16 inch runners

Suitable for boys and ladies.

Sizes 9 to 10½ inc.	14 inch runners
Sizes 10 to 10½ inc.	15 inch runners

Suitable for men and women

Sizes 11 to 12 inc.	16 inch runners

Suitable for men only.

One Pair in Box.

WEB SKATE STRAPS

Russet color

	16	18	20	24
Length, in.				
Width, in.	⅝	⅝	⅝	⅝
Weight dozen, pairs	⅓	⅝	⅔	⅞
Per dozen pairs	$1.90	2.00	2.20	2.50

One Dozen Pairs in a Bundle.

SKATE SHARPENERS

Steel frame, with handle.

	Per Dozen
No. 1—Four-sided file, weight dozen 1½ lbs.	$2.65

Packed One in Box.

SKATE KEYS

Steel

	Per Dozen
No. 0—Bright finish, for ice and roller skates	$0.60

Open Stock

	Per Dozen
No. 1—Malleable iron for ice and roller skates	$1.00

Open Stock.

TOBOGGANS

Birch and hard maple, finished in natural wood with one coat of shellac and one coat of varnish on top, middle and two outside cross slats are thicker than the other four, long graceful bend enables it to take a bump without a jar and also makes it run easy in deep snow. Supplied with ½ inch rope, fastened with leather loops.

Nos.	8	10	12
Length, feet	8	10	12
Weight each, lbs.	20	25	30
Each	$12.00	15.00	18.00

Open Stock.

Many Rickenbacker Eight Units Interchangeable With Six

ECONOMIES effected through the redesigning of various important units so that they are interchangeable with those of the six cylinder chassis making for simpler manufacturing and service operations, have brought about reductions in price ranging from $200 to $600 on the Rickenbacker vertical "8" chassis.

New bodies of more advanced design are mounted on the refined eight cylinder chassis. A coach brougham is now offered for the same price as the sport phaeton. In addition a new line of de luxe models having the highest grade of upholstery and selling at $125 more than the regular models are available on both the eight and six cylinder chassis.

A new line of bodies identical in design, coloring, and upholstery to those on the "eight" chassis are now mounted on the "six" which continues without any mechanical change other than a few minor refinements. The price of the "six" phaeton has been advanced $100 to $1,495 and the sedan cut from $1,995 to $1,795. In addition to the roadster and coach-brougham which remain unchanged in price, a new coupe-roadster at $1,695 is announced, while shortly a seven passenger sedan will be included.

Through the standardization of the majority of parts used on the "six" and "eight" chassis, the dealer will be able to carry a smaller inventory in the form of replacement parts for both Rickenbacker models and the customer will benefit correspondingly in having greater facility of servicing, and the lower cost of parts.

The most important change on the new "eight" model lies in the larger bore of the engine which is increased from 3 inches to 3¼ inches, thus bringing the power output up from 72 to 84 horsepower. With the bore of the "eight" the same as the "six," all parts of the smaller engine are interchangeable with the "eight," with the exception, of course, of such units as cylinder block, crankshaft, etc. A larger and more effective water pump is now mounted on the bigger engine, most of the parts of the former being interchangeable with those on the "six," while the oil pump and relief body interchange with the "six."

Brake Simplifications

Simplification of the four-wheel braking system has been made on the larger car so that the hook-up corresponds to that on the "six" and all the operating parts can be used on both models. With the exception of the side rails, all frame parts are interchangeable on the two cars, as are the gasoline tanks, and the fenders, the style of the larger car fenders being adopted for both models. A new heavier construction of the rear axle is employed, while the tire size has been increased from 33 in. by 5.77 in. to 33 in. by 6.00 in. on all body models on the eight cylinder cars.

All body models on both chassis have a moulding strip starting at the radiator and extending the entire way round the body giving a pronounced double belt effect and enabling the two-tone exterior finish which is used on all models to be displayed to advantage. With the exception of the open models which are upholstered in long grain

Rickenbacker sedan on eight cylinder chassis

leather, the interior covering of all regular closed cars is in velvet velour, while the "de luxe" models are upholstered in silk-faced mohair. The following color schemes are employed in two-tone Duco effect: Phaeton Dublin gray; coach-brougham, Bambalina blue with black moulding; Sedan, green with gold stripes and the roadster, brown.

Besides the new line of bodies, several minor refinements have been made on the "six" models. One inch has been added to the height of the radiator, while the thickness of the core has been increased from 1 11/16 in. to 2¼ in. The "coincidental lock" which has been standard equipment on the "eight" since its conception, is now applied to the "six" also. In connection with the new fenders on the "six," metal running boards have replaced the former wooden type while their height from the road has been decreased by 1½ in. Tires, 33 in. by 6.00 in. similar to those on the "eight" are now fitted on both "standard" and "de luxe" special sedans. Wood wheels of natural finish are now standard equipment on all models on both chassis.

Photograph of the new Rickenbacker coach brougham was shown in the July issue of this publication, page 64.

The following are the prices now in effect:

Eight Cylinder Chassis

2-4 Pass. Roadster, $1,995; Sport phaeton, $1,995; Coach-brougham, $1,995; Coupe-roadster, $2,095; Sedan, $2,195; 7-passenger sedan, $2,470.

Six Cylinder Chassis

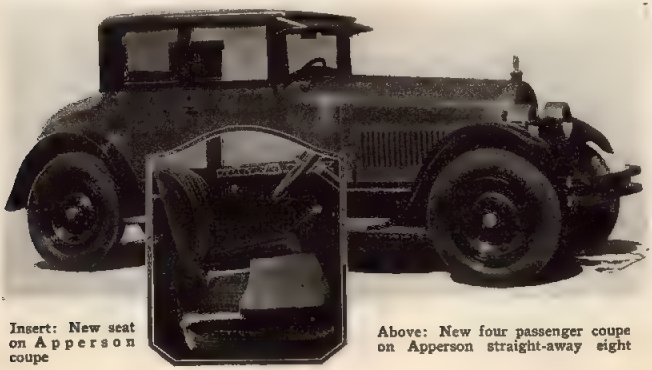
Roadster, $1,595; Phaeton, $1,495; Coupe-roadster, $1,695; Special sedan, $1,795; "De Luxe" 7-passenger sedan, $2,070.

Apperson Brings Out Four-Passenger Coupe

A NEW four-passenger coupe on both Straight-Away Eight and Super-Value Six chassis is announced by the Apperson Automobile Co. The new models are now in production and are being offered the trade for immediate delivery. Both chassis models are available in blue, maroon, gray and two-tone green in either varnish or lacquer finish at no additional cost. List prices are: Super-Value Six, $2,050, Straight-Away Eight, $2,450, f. o. b., Kokomo, Ind. An extra heavy set of cushioned springs is used in the "extra" seat which is claimed to be unusually comfortable and the back is adjustable up or down for a distance of four inches to meet the varying height of the occupants, the back cushion on the folding seat sliding up and down on the supporting rods.

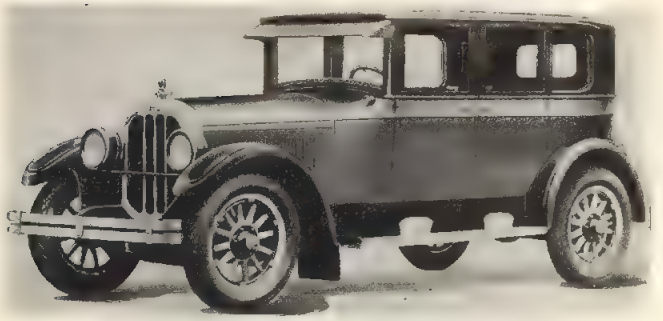
All four-passenger coupes are equipped with ventilating eaves over both door and rear quarter windows.

These two models are being produced as standard items in the Apperson line and will be continued in conjunction with the new all-leather glove finish fabric sport coupes just announced by the Apperson Company for delivery late in July.



Insert: New seat on Apperson coupe

Above: New four passenger coupe on Apperson straight-away eight



New 7-passenger Chandler sedan

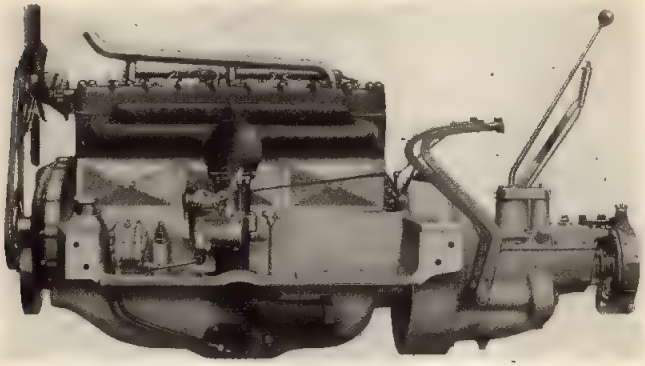
Novel Radiator Shell Features New Series Chandler

A NEW vogue in radiator shell design has been set by the Chandler Motor Car Company in presenting their 1926 line of cars. But for the addition of a new body model, slight changes in the "Metropolitan" sedan, several engine modifications and the new radiator style, the latest Chandler cars are substantially the same as the 1925 models, there being no change in prices or in company policy.

While the general contour of the new radiator is identical with the previous models, an individual and exclusive style is achieved by three vertical strips spaced about four inches apart and extending down the front of the radiator. These triple bars which are of channel section are pressed out of the same stock and in the same operation forming the steel radiator shell which including the vertical bars is heavily nickel plated. A new name plate of gun-metal having the letters in white enamel and mounted on a background with a gold border extending around the design is now employed.

New radiator design of the 1926 Chandler with vertical bars and gun-metal name plate.

Of seven passenger capacity, the new sedan lists at $2,175. The most noticeable change in appearance of the new sedan over the old model is the rounding of the corners on the rear quarter upper section, the employing of heavy beading accentuating the double belt effect, the use of a one-piece vision-ventilating windshield and a new color scheme. The last mentioned is a Duco two-tone brown finish, while a sage brush green is offered at no additional cost. To allow greater vision and visibility for the passengers in the tonneau, changes have been made on the "Metropolitan" sedan. The landau bows formerly mounted on either side of the body at the rear have been eliminated and their place taken by windows of larger dimensions than previously used Leather was formerly used to cover the rear quarter upper section which is now encased by a



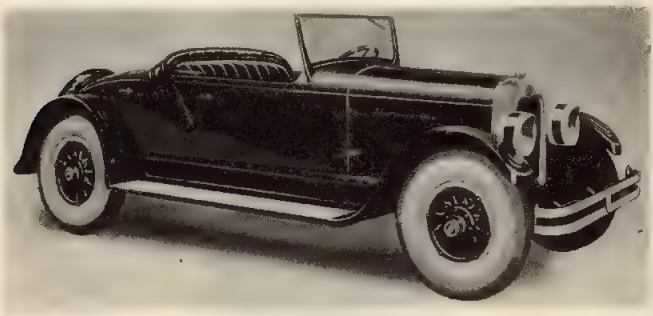
Carburetor side of power plant of 1926 Chandler

pressed steel stamping. The seven-passenger sedan comes equipped with an automatic windshield wiper.

The ignition system which formerly was mounted on a separate platform and driven through a coupling from the rear of the generator is now a part of the latter forming a single unit. The position of the generator remains unchanged while the make of the unit is American Bosch as formerly.

Reduced engine vibration, smoother running and fuel economy have been attained by the addition of a small flywheel which is carried at the forward end of the crankshaft and a newly developed manifold.

Unusual design of the manifold now permits the exhaust gases to flow through a separate passage cast in the intake manifold and from there the gases are carried behind the centrally located carburetor to the muffler pipe. The exhaust manifold which is a separate casting is now ribbed on the top with five fins to assist cooling the gases and is secured to the intake manifold by two cap screws. Slight modifications in the clutch have reduced the overall length of the transmission housing by two inches while minor changes have been made in the transmission brake hook-up.



Auburn 6-passenger Roadster

This six passenger roadster is available on both the six and the eight cylinder Auburn chassis. The rear seat is provided with a door for easy admittance and egress and the body is finished in hand rubbed pyroxylin lacquer. The interior is upholstered in hand buffed brown Spanish leather. Gasoline gage, heat indicator, rear vision mirror and automatic windshield wiper are regular equipment.

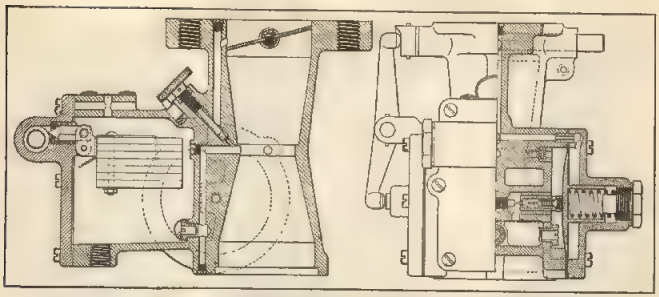


Fig. 1. Sectional views of Stewart-Warner carburetor, showing diaphragm and angularly mounted needle adjustment

Accelerator Diaphragm Features New Stewart-Warner Carburetor

SEVERAL innovations in mixture proportion and in the method of providing extra fuel for accelerating are embodied in a new carburetor which has been brought out by the Stewart-Warner Speedometer Corp., of Chicago.

As will be seen by the sectional views in Fig. 1 the carburetor has a single air passage which is constructed to form a throat into which the fuel is discharged after passing through metering orifices. There are three of these jets all located below the fuel level in the float chamber. They discharge at the periphery of the unobstructed throat thereby contributing to high pressure recovery across the carburetor.

Proportion of fuel to air in the mixture supplied is substantially constant except at light and heavy loads when richer mixtures are supplied. From 4-10 down to zero load this enrichment is provided by an idling by-pass which in conjunction with a spring latched needle-valve provides the necessary adjustment for the idling mixture. This latter is the only adjustable orifice and the metering for the other portions of the range is determined by the internal specifications of the carburetor.

Accelerating Supply

The extra quantity of fuel required for full acceleration is provided by means of the idling by-pass just mentioned and two diaphragm mechanisms. One of these is mechanically operated and the other one is actuated by the change in pressure in the inlet manifold. On one side of the latter diaphragm is a chamber connected to the inlet manifold above the throttle. When the throttle is open, the pressure in the chamber increases and the diaphragm moves inward. Gasoline is fed to the chamber on the other side of the diaphragm by two metering jets, one of which is normally closed by a valve. The opening of the other jet is much smaller than the outlet from the diaphragm chamber, the orifice of which discharges at the rim of the throat into the air passages, so that when diaphragm moves inward due to an opening of the throttle, an extra amount of fuel is injected into the air stream. The third jet which, as stated before, is normally closed comes into action automatically near the end of the diaphragm motion and supplies extra fuel to enrich the mixture at full load. The diaphragm mechanism and the two jets just mentioned are utilized to supply about one-half of the total quantity of extra fuel required for full acceleration. The remainder of the total accelerating fuel is supplied by means of a second or additional diaphragm mechanism positively actuated and arranged on the side of the carburetor opposite the pressure actuated diaphragm. A rocker lever transmits motion from a cam to the diaphragm through a plunger. The diaphragm is returned by an opposing spring-backed plunger when the cam releases it. The rocker arm and exterior parts of the second diaphragm mechanism are visible at Fig. 2. The cam is mounted on the throttle shaft and engages the lever to move the diaphragm after the throttle has been moved through an angle of about 15 deg. of its total movement.

Fig. 2. The mechanically operated diaphragm is actuated by the cam controlled rocker arm shown.

This movement of the diaphragm causes an extra quantity of fuel to be discharged to the air stream. The diaphragms are of hard rolled alloy said to have physical qualities that make it capable of long life in this service. None of the springs are delicate or sensitive as to strength and none of the passages are so small or so located that they are liable to obstruction.

The float mechanism in its entirety is mounted by six machine screws and fuel can reach the float valve only after passing through a screen of 100 mesh having a useful area of 2 sq. in. The strainer screen element can be removed for cleaning without disconnecting the fuel line.

Ochrome Alloy Valves

Poppet valves for internal combustion engines made from a non-ferrous alloy are manufactured by the Ochrome Valve Co., Shelton, Conn. The material used for these valves is a cupro-nickel-chromium alloy which not only has very good physical properties at normal temperatures but is highly resistant to the effects of high temperatures.

The forgings for these valves are made by the Curtiss Bay Copper & Iron Works, a subsidiary of the U. S. Industrial Alcohol Co., and the Ochrome Valve Co. finishes the forgings and markets the product. These valves, of course, are particularly suited for use in engines of the high duty type in which the conditions of valve operation are particularly severe. The valves are intermediary in price between alloy steel valves and nickel chromium valves. We are informed that tests extending over a period of approximately two years have developed no case of breakage, burning or warping.

At the present time the Ochrome Valve Co. is furnishing these valves to three manufactures of marine engines, who use them as standard equipment. The valves are being made both for original equipment and for replacement purposes. One of the advantages of the valves is that, since they have no iron in them, they will not rust and are therefore not subject to deterioration in case the engine is laid up for a long period, as commonly happens with marine engines, tractor engines, etc. The alloy from which these valves are made, known under the trade name of Everbrite, consists of substantially 65 per cent copper, 30 per cent nickel and 5 per cent chromium.

New Anti-Knock Fuel Announced in Detroit

Cyclo gas, a pure petroleum product that will give more power and mileage, it is claimed by its manufacturers, and also will eliminate any fuel "knock," has been perfected for large commercial distribution, according to an announcement made by the Great Lakes Refining Company, of Detroit. It is obtained through a new process of refining crude oil.

The chief quality of Cyclo gas is that it is a slow burning fuel and according to its makers will fire as quickly as the best grade gasoline. Being a pure petroleum product it is absolutely harmless, according to the manufacturers, and contains no poisonous compounds that are dangerous either in a liquid state or in the exhaust fumes.

The process of distilling the new fuel was discovered three years ago by Dr. Alex S. Ramage, of the Chemical Research Syndicate of Detroit. For some time it has been on sale in Detroit, Cleveland and Toledo. The public announcement has been delayed until the production facilities at the refinery at Dayton, Ohio, could be enlarged sufficiently to meet the demand.

E. M. List, General Manager of the Watson Stabilator Co. of Wilkes-Barre, Pa., has recently taken a contract for distribution of Watson Stabilators for ten counties of Northern New Jersey, the company formed for this purpose to be known as **Watson Stabilator Co. of New Jersey,** and also a similar franchise for New York City and surrounding territory, the new company to be known as the **Watson Stabilator Co. of New York.**

Wide World photograph

THE *MAIDEN DEARBORN*, FIRST OF THE FORD AIR TRANSPORTS

Which flew from Detroit to Chicago, 285 miles, with 1,000 pounds of freight on April 13, in 2 hours, 50 minutes, and returned to Detroit the same day. The train time between Chicago and Detroit is 6 hours 20 minutes.

NOW FOR THE FLYING FLIVVER

THE NAME OF HENRY FORD, which adorns so many hundreds of thousands of inexpensive automobiles that it is almost synonymous with economical transportation, was carried through the air between Detroit and Chicago on April 13 on the fuselage of the *Maiden Dearborn*—not "Made in Dearborn"—the first of a fleet of all-metal airplanes of the first purely commercial air-line to be established in the United States by the first large corporation to employ intercity air service within its own organization. For "the Ford air line is to be operated exclusively for company business, and has no connection with any other commercial air-lines that are proposed or suggested," says a statement by the company in the Detroit *Free Press*. Thus the Ford company, which hitherto has been content to operate its own railroads, Great Lakes and ocean steamship lines, and motor-truck fleets, with the addition of an air-line now utilizes under its own control every type of modern transportation. "Certainly," remarks the New York *Times*, "the science of aeronautics is looking up."

While the establishment of the mail, freight, and express-carrying line between Detroit and Chicago, to quote a Detroit dispatch to *The Times*, "marks the beginning of the most elaborate venture ever made in commercial flying," it is not the first indication that Henry Ford and his son Edsel are interested in the development of aviation and the future of Detroit as the center not only of the automobile industry, but of the aircraft industry. According to *The Wall Street Journal*,

"This is what the Fords already have accomplished and are now doing to further the cause of aeronautical development:

"1. They have built and equipped a 260-acre flying field for public use.

"2. They are now erecting the largest dirigible mooring mast in the world.

"3. Financially supporting the Stout Metal Airplane Company and the Aircraft Development Corporation, the former manufacturing all-metal airplanes and the latter metal-clad dirigibles for commercial purposes.

"4. Offering use of organization of Ford representatives in sale of product of above companies.

"5. Making preparation for production of airplane motors in own plants.

"6. Devoting part of engineering force and facilities at the new Dearborn laboratory to experimental work in aviation problems.

"7. Cooperating with leading authorities in the industry.

"The air-port is the gift to the industry of Henry and Edsel Ford, and adjoins the Ford property at Dearborn, eleven miles from Detroit's City Hall. It is intended to serve as a terminal for airplane companies and a public landing field. Thus the embryo aircraft industry in Detroit, backed by the moral and financial support of the Fords and the active efforts and cooperation of such authorities as Ralph Upson, William B. Stout, E. V. Rickenbacker, Alfred V. Verville, Herbert V. Thaden and others, has an auspicious beginning which is laying the foundation for an industry which may rival that of the automobile."

The first flight of the *Maiden Dearborn* to Chicago, by way of Bryan, Ohio, thence over the Air Mail route, a distance of 285 miles, says a Detroit dispatch to the New York *Herald Tribune*,

"Marked the beginning of an extensive air service which will link the chief Ford centers in the Middle West. As soon as the Dearborn-Chicago system is perfected, lines will be established between Dearborn and St. Louis; Dearborn and Minneapolis, and a third to Iron Mountain, Michigan, where the Ford sawmills, body plant and wood distillation plant are located. Daily plane service is contemplated."

"Up to the present, I've left this flying business to Edsel," said Henry Ford as the *Maiden Dearborn* was taking off, "because it's a young man's job." In an interview given the Detroit *Free Press*, the youthful President of the Company said:

"While we are not actually engaged in the manufacture of airplanes, we are financially interested in the Stout Metal Airplane Company, manufacturing the Stout metal 'air transport,' and the Aircraft Development Corporation, which soon will place the first metal-clad lighter-than-air ship in the air, with Detroit as its home.

"We are willing that the Ford name be used in these companies because we believe that William B. Stout, designer and builder of the air transport, has an exceptionally good plane, and that Ralph Upson's idea of a metal-clad airship is the best yet produced.

"The five or six planes that will be finished this year will be sold easily, we believe, and we probably will use our organization of Ford representatives in the large cities in the sale of them.

"While it is not our purpose to enter the manufacturing field in aviation, we probably will find our place in the manufacture of airplane motors. Several types are now in our experimental laboratories in the course of development.

"There is no question but that the Ford organization needs such a transport service of its own. We now have sufficient mail and express matter, requiring swift delivery, to keep three such planes as this busy every day.

"We do not have in mind the establishment of a public air transport line. This line is being put into operation entirely for our own use. No passengers will be carried, provision being made only for a mechanic to accompany the pilot.

"The plane is entirely constructed of duralumin. It has a wing spread of 60 feet and its length is 46 feet, 2 inches. The ship, which is equipped with a Ford-built Liberty engine, has a maximum speed of 115 miles an hour and the cruising speed is 100 miles an hour."

From other Detroit dispatches we learn that—

"The freight carried by the plane on its first trip consisted of thirty bags of machined automobile parts, weighing in all

782 pounds; 107 pounds of moving-picture film, and ten cartons of various articles, which weighed 116 pounds. The mechanic and his outfit weighed 208 pounds, which made a total useful load, exclusive of the pilot and extra gasoline, of 1,213 pounds.

"Eddie Hamilton, who is Henry Ford's first sky pilot, is a former Royal Air Service flyer who has had considerable success in aerial photography enterprises here since the World War. For the last two years he has been a test pilot for the Stout Company. Both the trip to Chicago and the return voyage were made in 2 hours, 50 minutes. Hamilton was instructed to fly to Bryan, Ohio, and there to take the Air Mail route. The trip could be made direct in about 2 hours. The train time between Detroit and Chicago is 8 hours, 20 minutes.

"The Ford organization will operate its air-line along conservative lines, sacrificing speed to obtain the utmost dependability and safety. Round-trip flights on single days are planned. The schedule calls for a flight from Detroit to Chicago in the morning, and return to Detroit in the afternoon.

"Substantial interest of the Ford organization in aviation dates back to two years ago, when Edsel B. Ford, president, joined groups of other Detroit manufacturers and business men in financing the experiments of the Stout Metal Airplane Company.

"The second phase of the Ford interest in aeronautics took form a year ago, when Henry and Edsel Ford built the Ford Air-port near Dearborn and invited the Stout and Upson organizations to utilize its airdrome and manufacturing facilities.

"The company air-line established to-day marks the beginning of a third phase. It is regarded as the most significant commercial air transport enterprise of the year."

In the opinion of the New York *Evening Post*—

"If Henry Ford means business in the new airplane venture of his, industrial history will be made by the flights he keeps his pilots in Detroit and his plant in Chicago. When he began in the motor-car industry he was trying to build a cheap carrier for land use. He is now searching for a cheap, swift carrier for the air.

"Private initiative is the driving force in America. It was so with the railways, and in all probability it will be so with aviation."

"If Henry Ford and his son wish to develop commercial aviation, they are in a better position to do so than any one else in the United States," declares the Jersey City *Journal*. "The flight of the *Maiden Dearborn* is merely the beginning,' points out the Brooklyn *Eagle*, which also reminds us that—

"Meanwhile the Government is planning experiments expected to stimulate the development of commercial aviation. Under the Kelly Law, passed by the last Congress, the Post-office Department is empowered to contract with private individuals for the carrying of mail through the air. Already the Department is advertising for bids.

"Thus, of course, is merely a beginning, but with the Government offering special inducements to private enterprise, and with the vast resources of the Ford Company back of a single project having the same objective, it is merely a matter of time before flying will be an important part of American business life. It has taken a long time for this country to overtake Europe in the utilizing of airplanes, but, like everything else, we seem to be preparing to go into the business of flying on a large scale now that a beginning has been made."

A NEW POWER IN PETROLEUM

Col. Robert W. Stewart, Chairman of the Board of the Standard Oil Company of Indiana, whose company becomes a world factor in the oil business by acquiring control of the Pan-American Company from E. L. Doheny.

ANOTHER BIG OIL COMBINE

SOME RATHER LEFT-HANDED COMPLIMENTS are being handed out by the press as the oil map of the world is changed by the creation of a new combination in the international field, and our newspaper editors pay their respects to the personalities involved in the deal. All the oil men figuring prominently in the merger of the Standard Oil of Indiana, Pan-American Petroleum, and British-Mexican Petroleum into a combination, with assets of about $548,000,000 also figured, except for Lord Inverforth of the British company, "in the oil reserve scandal uncovered in the Washington investigation of Doheny's alleged bribing of former Secretary of the Interior Fall," we read in the Philadelphia *Public Ledger*. The chief engineer of the deal and the dominant figure in the new corporation, according to the news dispatches, is Col. Robert W. Stewart, chairman of the board of directors of the Standard Oil Company of Indiana. And the New York *World* calls to mind that "it was Stewart who cleared out when the Government wanted him as a witness in the Teapot Dome suit and returned to the United States the day after the court proceedings ended." This paper declares that "with men like Mr. Stewart and his fellow directors in charge, there can be no peace between the people and the oil industry," and that "an industry managed by men who will allow a Cabinet officer to be corrupted, the courts disregarded, and their stockholders ignored, has earned suspicion." Yes, remarks the St. Louis *Post-Dispatch*, "big business is getting bigger, but if bigger business is to grow and prosper into a ripe old age it will need a quality of leadership that will not stoop to bribery or flee from subpenas." To which the New York *Commercial* indignantly replies that there has as yet been no proved evidence of fraud in the oil leases, and that there is nothing in the new merger to call for any talk about high crimes and misdemeanors, and it laments that "while encouragement is the portion of the nationals of other lands buying crude oil and marketing its refined products, here discouragement is the portion allotted by the world to such men and the companies they have built up and controlled."

The combining of one of the greatest of the American independent oil companies with a powerful member of the Standard group and a British concern opens up a new phase in the history of the American petroleum industry, so it seems to several papers. The precise arrangement of the holding companies by which the merger is accomplished is too complicated for description here. The main fact is that the Standard of Indiana, which has been a leading factor in oil distribution in the Middle West and has been closely allied with the Sinclair interests, now takes over by stock purchase from the Doheny family the control of the Pan-American Petroleum Transport Company, with its enormous oil reserves in Mexico, its refineries, its tankers, and its extensive shipping facilities. The British company gives the new combination an entrance into the oceanic tanker oil trade and

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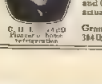

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SPORTS AND ATHLETICS

COUNTRY BOYS IN THE BIG LEAGUES

OVER a third of the four hundred players in our two greatest leagues, the American and the National, grew up on farms, thinks a veteran sport writer, and, if you include those who grew up in small country towns, fully half the four hundred are country boys, he believes. According to Robert H. Reed, who discusses the phenomenon in *The Country Gentleman*, the estimate is a fair one. "Cleveland lists seventeen, we are told, and "their manager, Tris Speaker, hails from Hill County, Texas." As Mr. Reed goes on to say,

> A handy place to break into the subject is with the [world's champions of Washington. It was perhaps the most popular team ever to go into a World's Series. Popular, it might be remarked, to some great extent because it included a tall, broad-shouldered farm boy who has set down a pattern for good sportsmanship and honest effort that every American boy might well follow.
>
> Of course that man is Walter Johnson
>
> There were other farm boys who played a mighty important part in winning a pennant and the World's Series for Washington. Leon Allen Goslin, the product of a Salem County, New Jersey, farm, did a giant's share.
>
> Then almost all the pitching staff came from the farm—Zachary, Ogden, Marberry and Speece, besides Johnson.
>
> You have only to dig back in your memory to know what these men did in that thrilling series.
>
> First, Walter Johnson. No less an authority than his mother says that Walter as a youngster expected and wanted to be a farmer when he grew up—a wish that has in some degree been gratified.
>
> He now owns a fine farm near Coffeyville, Kansas, where his mother and a married sister live. One of Johnson's greatest interests is in pure-bred cattle, and up until the death of his father about three years ago his farm had the finest herd of Holsteins in the county.
>
> Johnson has always been an outdoor man. He has loved to hunt since the time, when he was six years old, that he came into the house with a whole litter of young coyotes he had discovered and announced that he had been hunting. To-day the year isn't complete unless he has some kind of hunting trip.
>
> "Walter is happiest when he can be on a farm," declared his mother. "He has always been that way and he always will be. He likes nothing better than to spend a few hours looking after the stock or doing the chores."

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HE WANTED TO BE A FARMER

This is Walter Johnson himself. He was born on a farm and wanted to be a farmer. Now he owns a big farm in Kansas purchased with some of the fortune that has accompanied his baseball fame.

> One of baseball's most interesting characters is John Thomas Zachary, the left-handed pitcher who won two of the series games. During the baseball season he roams with Johnson, and Mr. Reed tells us:
>
> He is a graduate of North Carolina State College, a student, an ex-soldier, a tobacco planter and a good baseball pitcher. When he isn't pitching he raises tobacco at Graham, North Carolina, and when he isn't doing either he reads all the books he can find.
>
> Warren Ogden, better known as Curly, comes from a family of athletes. His brother John is a star pitcher with the Baltimore Orioles; another brother, Carrol, is a college star in both football and baseball.
>
> They come from a farm near Ogden, Delaware County, Pennsylvania, where the family has lived for a long time; in fact, the town takes its name from the family.
>
> Curly Ogden jumped straight from college into the big leagues and this past year he pitched and won some of his team's most crucial games.
>
> Fred Marberry's parents own a cotton plantation at Streetman, Texas, and his fellow moundsman, Speece, hails from a farm near West Baden, Indiana.

Thus far Mr. Reed has been considering only the members of a single team, the "World's Champions," and he now goes on to speak of others, naming first a celebrity known the country over:

> Babe Ruth, the home-run king and most talked about man in the game, did not come from the farm, but he does go back to the farm at every opportunity he gets. Two or three years ago he bought a farm near Sudbury, Massachusetts.
>
> Ruth's farm is not a plaything, but a real farm. His stock is not fancy stock, but good practical dollar-earning stuff.
>
> The Bambino himself built ten 100-hen-

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SPORTS AND ATHLETICS

Continued

houses and filled them with carefully selected chickens. He is raising pedigreed dogs on a small scale

Turning now to the case of another hero of the metropolis, Mr. Reed observes

> You would go a long way to find a more popular player than Zack Wheat, captain of the Brooklyn team, and you would look just as far to find a man who takes his farming more seriously. His farm is in Caldwell County, Missouri
>
> Wheat's great love is pure-bred cattle, but being away from home all summer he hasn't much of an opportunity to build up the herd he wants. That will come later
>
> "Yes, when my active baseball days are over I intend to devote all my time to farming, chiefly to developing a good pure-bred herd of Herefords," he said.
>
> "I'm just completing a good modern house on my farm that's what I think of the farm and farming."

Eddie Roush, the great center-fielder of the Cincinnati Reds, was born on an Indiana farm which his family homesteaded, and he lives there now. His first baseball training came when he and his twin brother took turns at standing in the barn lot batting flies into adjoining fields for the other to chase

Quiet and retiring in nature, this strapping big Indiana farmer is thought by some to be taciturn and unfriendly, but his neighbors at home assure you that a better fellow never lived

Some years ago Eddie jumped from a boat into a swollen river and saved a boy from drowning. It was two years before his family heard of it. That's Roush.

You can't mention farm boys in big-league baseball without some one naming Fred Williams. He got the nickname Cy because of his origin. Cy is a country banker and a farmer in Northern Wisconsin, in a place called Three Lakes.

Cy is just about the best home-run hitter in the National League, and one of the most popular men. Wilhams has played a good many years and he credits his long stay in the big leagues to the out-door work he does in winter

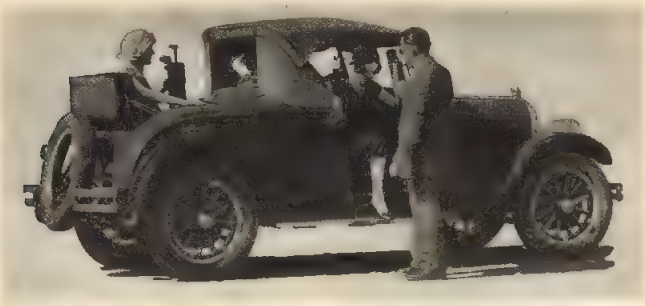
> Feeding stock, milking and farming are just the thing to keep a fellow fit," he says. "Cutting down trees trains the eyes, strengthens the arms and I feel that it has aided me in my hitting."

Hubert Leonard, better known as Dutch, has a record as a big-league pitcher that will be remembered as long as baseball history lasts

Out in California in the past few years, Leonard has made some grape-growing history

He developed a system of irrigation himself that was a great departure from the accepted standards, but he startled the old-timers with his yields. Moreover, he got such a quality into his grapes that the Dutch Leonard Brand is pretty well known, and that quality brought him a good fat bonus from the raisin association.

There is no space or occasion to list all the farmer boys who have reached the highest peak in baseball. The farm boy has made a place for himself in baseball; he has played hard and clean; and that is the best thing that can be said for anybody in the sport world



New Chrysler Six roadster

Refinements and Price Reductions Feature New Series Chrysler

PRICE reductions on all models ranging from $30 to $130, finer bodies in new color designs, a vibration dampener added to a more powerful and refined engine, new single-plate type clutch and several improvements on the chassis, characterize the Chrysler Six cars for 1926.

Except for changes in the roadster design, a droop in the top line of the closed bodies towards the rear, rounding off the back corners and the new color schemes, the distinctive body lines which identify the Chrysler Six cars for 1926.

In order that the performance of the new series cars would remain unaffected by the increased weight of the new bodies and other refinements, ⅛ in. has been added to the bore of the engine which now stands at 3⅛ in. in diameter. This change increases the rated h. p. from 21.06 to 23.44, the piston displacement from 201.4 cu. in. to 218.5 cu. in. and allows 8½ per cent greater engine torque.

Crankshaft Improvements

To balance the increased power, the crankshaft has been made larger and heavier. All seven main bearings are enlarged in diameter from 1⅞ in. to 2¼ in., while ⅜ in. has been added to the connecting rod bearings which are now 2 in. in diameter instead of 1⅞ in. Corresponding increases in sizes have been made on all main and connecting rod bearing caps, studs and bolts.

To secure smoother operation a torsional vibration dampener is now mounted on the front end of the crankshaft. The dampener is a simple automatic device acting as a secondary fly-wheel, the latter providing the drive for the fan.

Of the same design but slightly modified, the pistons are now fitted with a pin of 13/16 in. diameter instead of ¾ in. and of greater length. Similar to the ends of the crankshaft, Welch plugs instead of screw-in plugs are used to seal the ends of the hollow camshaft.

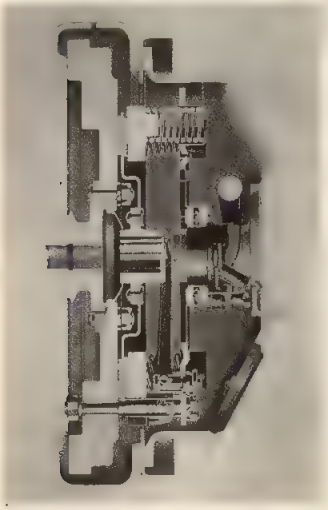
Wider by ⅛ in. The faces of the oil pump gears are ⅛ in. wider, which represents an increase of the pump capacity by 12½ per cent. At the same time, an improvement in the oil suction feed has been made. If the oil screen should become clogged, the suction of the pump will open a valve held in place over relief holes by spring tension. This opening of the relief holes will allow the oil to come through the pump without passing through the screen.

Although no changes have been made in the radiator or water pump, the water capacity of the cylinder jackets has been increased to provide greater cooling for the engine. No changes have been made in the fuel system or manifolding except that the intake of the Ball and Ball carburetor has been enlarged by 1/5 in. Extra rigid front support of the engine has been accomplished by casting the legs integral with the timing chain case cover.

Into a slightly larger flywheel has been fitted a new and simpler type of clutch which is claimed to make gear shifting much easier.

The new clutch is a single dry plate unit similar in respect to that used on the

Chrysler Four. Comprised of a pressure plate assembly, having six springs, pressure is applied to a hardened steel splined hub to which is riveted the metal disk carrying the special woven asbestos cord facings. Three release levers provided with spring locked knurled nut adjustments are connected with the stationary sleeve which carries the clutch release bearing.



Single dry-plate clutch used on the Chrysler Six

To compensate for the added torque, the face of the transmission gears has been increased in size ranging from 1/16 in. to 3/16 in. larger. Instead of the stub type teeth which are customarily used, teeth of full depth are employed. By grinding all constant mesh and intermediate gears, smoother and quieter transmission operation has been obtained. The speedometer gears are now located under the rear main bearing, where they operate constantly in a bath of oil. Because of the larger transmission case necessary to accommodate the new gears and shafts, the propeller shaft has been shortened, while at both ends the flanges have been changed. The gear shift lever has been made longer to give greater comfort in changing speed while the pedals have been changed in shape and material. To make for smoother application, the emergency brake has been redesigned and in its new form incorporates several parts common to the four cylinder model. The diameter of the transmission brake drum has been increased by one inch.

In line with the other chassis changes, the rear axle housing has been strengthened and the differential carrier made more sturdy and rigid, making at the same time for quieter operation. Both ring gear and pinion are now larger by ¼ in. and have the spiral teeth cut at a steeper angle forming a more substantial engagement. A change has also been made in the angles and capacities of the pinion shaft bearings as well as on the pinion shaft sleeve.

Except for changes in the master cylinder body, tube leads and T-fittings, there has been no alteration in the four-wheel braking system.

Turning to the bodies, most changes have been made on the roadster model which is now finished in two-tone drab, copra drab above the streamline bead and chicle drab below, set off with black moulding and a fine flamingo carmine stripe. New bullet type nickel-plated headlights and nickel-plated windshield frames and stanchions give an added touch of dash. Both doors have been widened by 1 7/16 in. to afford easier access, while the door of the golf club compartment now opens sideways instead of downwards as formerly. The top bows, which are now of wood, finished in walnut to match the steering wheel and new type of instrument panel, fit into nickel-plated thimbles, giving a neat finish. The latter can be folded down neatly and is so designed that it is readily detachable by those who desire to have no top at all.

Plymouth and Pilgrim grays are used on the phaeton, which is set off by a striking stripe of flamingo carmine. Long grain, bright finish, water-proof material is used for the top which has a white whip-cord lining to harmonize with the Colonial gray ivory tinge soft leather of the upholstery.

The sedan, is also finished in chicle drab, black upper structure and carmine striping. Its interior trim is of blue gray worsted pile fabric with a velour headlining.

The color of the coach has been changed to thebea gray with fawn gray striping, which with the exception of the changes already mentioned as applying to all closed cars, remains the same as the previous model.

Equipment included with the bodies is practically the same as on the previous models except that a Sparten "S. O. S." electric horn is standard equipment on all models.

The new prices on the eight body models which have comprised the line for some time past are announced to list as: Phaeton, $1395; Coach, $1445; Roadster (no change), $1625; Crown Imperial, $2095; Imperial, $1995; Brougham, $1865; Royal Coupe, $1795; Sedan, $1695.

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SCIENCE AND INVENTION
Continued

outlets overground. Several may have underground outlets.

"Stiess correctly traced the Jordan-Red Sea rift along the eastern face of Abyssinia, down between the highlands of Somaliland and Abyssinia, inclosing the lake chain of southeast Abyssinia, across British East Africa to Lake Manyara. Here he found a gap, so far as his evidence went. This has now been supplied and the Rift has been traced on through the Shire lowland across the Zambezi with laterals in several places, including Tanganyika, Kivu, and Albert Nyanza, and with lesser rifts to the Sabi Valley. Nyassa is in the main course; so are Naivasha and Nakuru, and many more lakes."

The Rift crosses mountains and rivers, Mr Osborn tells us. In certain parts it is as clearly formed as if done with a channeling machine, and at other places is eroded so that it is not easy to follow. Between the Dead Sea and the Araba Valley there is a ridge 660 feet high marking the uplifts of Edom and Sinai. Blanckenhorn gives the depth of the fault of the Jordan as 4,500 feet, all in limestone. In the Red Sea, Crossland gives the down-throw as 11,000 feet. Hume, director of the geological survey of Egypt, reports at least five subsidiary rifts in the Sinai peninsula. The Afar desert plains between Abyssinia and the sea contain many lakes below the sea-level, and these plains are the northern entrance to the Great Rift Valley in Africa. The British War Office has attempted a map of the Great Rift which is quite perfect in such regions as Abyssinia and British East Africa, but which is more vague farther south. He goes on:

"The Great Rift is volcanic, with secondary sedimentary rocks. For the entire length of the fissure there are volcanoes of all ages, from active, steaming ones to dead craters of great antiquity.

"The Master of Nazareth was born in the Rift region and knew its demon weirdness. It was in the Great Rift that the devil tempted Him. Moses won the Decalog from the top of a neighboring mountain. Israel's hosts were helped across the Red Sea by some magic of the Great Rift. Mohammed took his midnight walks along its escarpments and there heard the voice of Allah. There are mineral riches, too: gold and precious stones and iron and copper. In ten thousand ways the Rift has been the stage of the world as well as its deepest wound and least-healed scar.

"The origin of the Rift is usually placed at the end of the Eocene period, but it was by no means finished then and, in fact, is still subject to minor convulsions. The Ophir gold trails, over which came the gold for Solomon's temple gathered by Hiram of Tyre, were obliterated no doubt in the inconstant Rift.

"In large part, the phenomenon still encompasses the wildest portions of Africa. Thousands of square miles of its area are infested with the tsetse fly, and the graves of sleeping-sickness victims within its walls are millions. I have heard the lion roar there as the honey-bird chirped, and the

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SCIENCE AND INVENTION
Continued

THE AGE OF SPECTACLES

NOT of theatrical pageants, altho these doubtless play their part. Rather of the lenses that now bestride the nose of humanity. They are obtrusive where they used to be modest, complains a French critic—solidly coarse framework where they were formerly almost invisible. Writing in *Le Temps* (Paris), he gropes about for an explanation of the prevailing fashion, and after trying to account for it on hygienic grounds, takes refuge in symbolism. We read in the paper just named

An attentive observer of our fashions, Mr. de Trevières, has characterized the present generation as the "tortoise-shell-spectacle generation." Spectacles, indeed, are a very significant peculiarity of our time. One might believe that post-war humanity were composed wholly of the near-sighted, the far-sighted and the astigmatic. A fashionable youth must now shave his face carefully, plaster his hair back, leave off his hat and protect his eyes with two aggressive lenses like automobile lamps—such is a synthetic portrait of the Americanized European.

There was a time when the masterpieces of medical optics were more discreet. The weaknesses of the eye were hidden as much as possible. Light glasses were worn, spectacles with almost imperceptible bows. The lenses were as small as possible. Care was taken not to change the appearance of the face, and the nose was pinched as delicately as it could be.

To-day such scruples are not the mode. Tortoise-shell spectacles with enormous lenses and solid frames are affected even by youths and maidens. Formerly a young person wearing spectacles would have been regarded as ridiculous. To-day a Harold Lloyd and a Buster Keaton sport their heavy eyepieces as buoyantly as a cavalry officer maneuvering his troop.

It is perhaps not very easy to explain this evolution in our manners. Doubtless American influence has played a great part in it but this is not enough to justify such universal adoption. In reality, we have become accustomed to study the infirmities of vision without reserve. For many years we have now been examining very attentively the eyes of children. Methodical tests are required in the schools. It is sought at the earliest moment to ameliorate and cure certain cases that formerly aroused no interest. The important part now played in our lives by reading, and the intensive study required of modern pupils, tend assuredly to fatigue the optic nerve. Oculist and dentist are no longer specialists called in accidentally and exceptionally. Modern hygiene has made them attentive and regular watchers over our organic equilibrium. We are no longer ashamed to call at an optician's to procure supplementary eyes.

Finally, it has been quickly seen that on the fresh face of a girl the heavy spectacles of our grandparents create a piquant and amusing contrast, which simply goes to emphasize the triumph of youth. This argument was certainly not the least compelling among those that decided the arbiters of our fashions to replace the invisible pince-nez with this robust optical apparatus.

(Remember, these are merely printed reproductions of the real photographs)

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Ready-Set cameras have revolutionized picture-taking

Perhaps you're one of many who used to say, "I'd love to shoot some pictures if I ever *got* any—but I don't."

Well, that is as dead now as the mule-pulled street-car! Ready-Set cameras always get good pictures. For they are all "set" for you so that you can't do any worrying or guessing. The lens is fixed at a universal focus so that you don't have to judge the distance. The shutter speed is regulated, too. All you do is set for snap shots or time exposures and *shoot*.

The No. 1A Ready-Set has an automatic finder which makes you get in your picture every single thing you see in the finder.

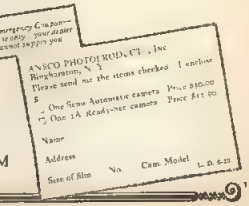
Vest-Pocket Ready-Sets are $8.50. Ready-Set Junior ettes are $10.50, and 1A Ready-Sets are $13.50.

The $13.50 Ready-Set camera takes pictures 2¼ × 4¼

Illustrated catalog sent free on request. *It's an Ansco!*

So—now—it's easy to get good pictures

ANSCO
CAMERAS & SPEEDEX FILM



A GOOD MECHANIC IS KNOWN BY THE WRENCHES IN HIS KIT —

Master Mechanics everywhere are using Bonney *C. V. Chrome Vanadium Wrenches

*C. V. is a Bonney trademark registered in the U. S. Patent Office

Set No. 25

Contains six *"CV" Engineer's type 15 degree angle wrenches with 12 different openings from 3/8" to 1". Price, case of Minneapol 56.85 without Leatherette Roll; $7.85 with Roll Canadian and Western prices slightly higher.

Bonney *C.V. Chrome Vanadium Wrenches are twice as strong as ordinary carbon steel wrenches and are easily identified by the dull nickel finish of the handle and the highly polished heads. Look for orange Bonney decalcomania on handle and the words Chrome Vanadium.

You can secure from your jobber. Write for detailed information.

Bonney Forge & Tool Works
Allentown, Pa.

Makers of Special Service Wrenches of Chrome Vanadium, Carbon Steel Drop Forged Wrenches, Stillson Wrenches, Vises and Drop Forgings and the Bonney Rim Tool.

BONNEY Chrome-CV-Vanadium WRENCHES

(Patents Pending)

John Bagley created a marvelous *Aroma*

YEARS ago . . . oh, many years ago . . . . John Bagley of Ole Virginny perfected a wonderful blend of pipe tobacco. Buckingham he called it, Sir . . and never did tobacco have so sweet and pleasant an aroma. Even the ladies liked its irresistible fragrance . . . no reproving household voice was raised when the master filled his pipebowl with golden Buckingham!

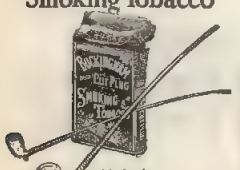
We've brought this marvelous Buckingham back from its rich and romantic tobacco past . . . *your dealer now has it.* Sun-cured . . . as John Bagley cured it. Blended . . . as John Bagley blended it. Aged . . . as John Bagley aged it. Fragrant and sweet as of yore!

Tonight, a pipeful of Buckingham!

If you are unable to obtain Buckingham from your tobacco dealer, just send us his name and 15c—back will come a full-sized package.

Guaranteed by
The American Tobacco Co.
INCORPORATED
New York City

Buckingham
Smoking Tobacco



10c in the foil packet
15c in the tin

CURRENT EVENTS

FOREIGN

April 22.—Edouard Herriot, former Premier, is elected President of the French Chamber of Deputies.

The Council of Ambassadors authorizes Bulgaria to increase her armed forces by 7,000 until the end of May to settle the present disturbances. More bloody outbreaks in Bulgaria are reported.

Three German Communists are sentenced to death in Leipsic, and thirteen others are sentenced to imprisonment on charges of murder and plots to overthrow the German Republic, a striking feature of the verdict being the statement that the plots were financed directly from Moscow and connected by the Soviet Embassy in Berlin.

April 23.—King Boris of Bulgaria is reported being held a prisoner in the royal palace by the military junta headed by General Lazaroff. The imprisonment is said to be due to the King's invitation to Premier Zankoff to resign so that he could form a coalition government including the Agrarian opposition.

Joseph Caillaux, French Finance Minister, serves notice in Parliament that he proposes to increase the income tax, bringing France up to the level of the American and British ratio

April 24.—Four men are killed and eight wounded in an outbreak between Communists and French Fascisti in Paris.

April 25.—Fresh acts of terrorism occur in Bulgaria, a theatre and library in Plevna being destroyed by a bomb and unsuccessful attempts being made to destroy three bridges in the region of Varna, while in Vralsa a member of a military patrol is killed.

April 26. Field Marshal Paul Von Hindenburg is elected President of Germany by a plurality of 888,684 votes. The returns show that about 3,000,000 voters who had failed to cast their ballots in the first presidential contest on March 29 voted in the present election for Hindenburg

An official communication issued in Sofia states that the recent Bulgarian Communist outbreaks were financed from Moscow and Vienna. A semi-official communication states that the number of persons arrested is not 6,000 but 2,000, and that the number of killed does not amount to hundreds but only to a few.

April 27 The Earl of Balfour is appointed Lord President of the British Council, succeeding Marquis Curzon, who died recently.

April 24. Great Britain will return to the gold standard immediately, Winston Churchill, Chancellor of the Exchequer, announces in Parliament. Australia reestablishes the gold basis at the same time, and the other self-governing Dominions are to follow suit. Mr. Churchill also announces a cut in the income tax of six pence to the pound, making the tax four shillings.

Premier Mussolini of Italy has informed Jugo-Slavia that Italy will not tolerate any action by Jugo-Slavia against Bulgaria, according to a dispatch from Milan

DOMESTIC

April 22.—The landing detachment of 165 officers and men from the light cruiser *Denver* has been withdrawn from Ceiba, Honduras, as a result of the arrival of

KERMATH
BOAT ENGINES

Spring is here
Time for a Kermath!

To really get the most out of motor boating we believe you will find Kermath the ideal marine motor from any point of view.

Most experienced boat builders do. 80% of the leading boat makers now standardize on the Kermath exclusively.

Kermath is the world's standard motor for any size boat because of its rugged construction—simple design—all around up-to-dateness.

Kermath is an advanced motor—reliable—economical—perfectly balanced—accessible—easy to handle and needs no attention.

Let us tell you more about this powerful power plant Built for small, medium, and larger boats. Write today.

3 H. P. to 100 H. P.
$135 to $1450

KERMATH MANUFACTURING CO.
5894 Commonwealth Ave.
Detroit, Michigan
11 E. Wellington St., Toronto, Ont.

A Kermath Always Runs

HAY FEVER: Its Prevention and Cure
By Wm. C. Hollopeter, M.D
A timely method and authoritative book for both laymen and physicians, giving the history of hay fever, its causes, if how it may be prevented, and its treatment, with special emphasis on the new immunizing Method.
12mo. Cloth. 271 pages. Illus. size 5¼ x 7½ inches. Price $2.00 net, by mail, $2.15.
Funk & Wagnalls Company, 354 360 Fourth Ave., New York

MILL AND
MARKET SQUARE
CZECHO-SLOVAKIA.

Mephisto

The Perfect Copying Pencil
A KOH-I-NOOR Factory Product

The famous copying lead retains its smooth, lasting, writing quality in all climates. Not affected by heat or cold

Indispensable for railroad, express and business offices

Ask for "MEPHISTO" No. 77 with protecting mouth-tip. Price 15c—2 for 25c.

KOH-I-NOOR PENCIL CO., Inc.
34 East 23rd St., New York
Factory Established 1790

And try a "KOH-I-NOOR" for pencil economy

Vary the hearty soups you serve!

Hosts of people find a hearty soup one of the most tempting and satisfying of all dishes. It is so substantial and so delicious.

Campbell's Vegetable is the most popular hearty soup in the world.

But do you realize that with Campbell's you can vary these soups and always give your appetite the change it so welcomes?

12 cents a can

Vegetable Soup: Here the fifteen different vegetables are either diced, sliced or whole, blended with rich beef broth, tomato puree, cereals and many other ingredients.

Vegetable-Beef: In this soup most of the vegetables are in a puree in which beef broth is blended. In addition there are toothsome pieces of beef and diced vegetables.

Beef Soup: And when your appetite inclines to a similar soup, but with more of the beef—hearty, pieces in every spoonful—this will be your choice.

Campbell's Soups

LUNCHEON DINNER SUPPER

In this month of gift choosing and giving— See Eversharp and Wahl Pen

THE flowering of the early June brides brings notice that we are already knee deep in the year's first great season of events and anniversaries.

This is a gift buying month!

Not only are the ministers active but even now the institutions of learning are loosing upon the world, the bold, masterful graduates and the sweet girl graduates.

When the invitation or announcement appears in your morning's mail, what do you expect to do?

Seriously, the best possible thing is to choose the nearest of the thirty thousand Eversharp dealers.

Go to his store.

Select an Eversharp, Wahl Pen, or an Eversharp, Wahl Pen Combination. Have the salesman put your purchase in one of those handsome silk-lined gift boxes —and everything is over but the pleasure.

You are justified in feeling perfectly satisfied with yourself. No one could have done better.

Eversharp and Wahl Pen are the products of the foremost manufacturer of fine writing equipment.

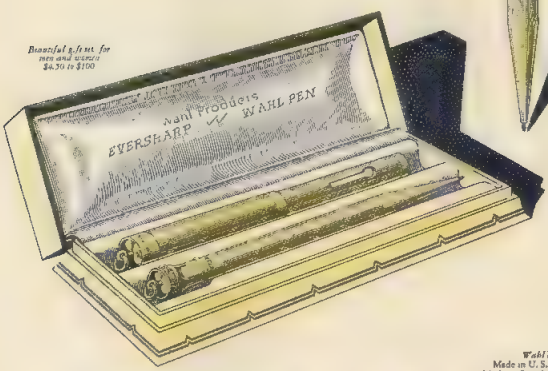
They have beauty to carry a heart full of sentiment.

They are useful, which signifies your thoughtfulness.

Their precious metal construction insures that they will wear well—for remembrance.

The qualities which have made Eversharp and Wahl Pen the world's standard writing instruments are the qualities that make them the first and best thought for all gift occasions.

Prices to suit your purse and the situation.



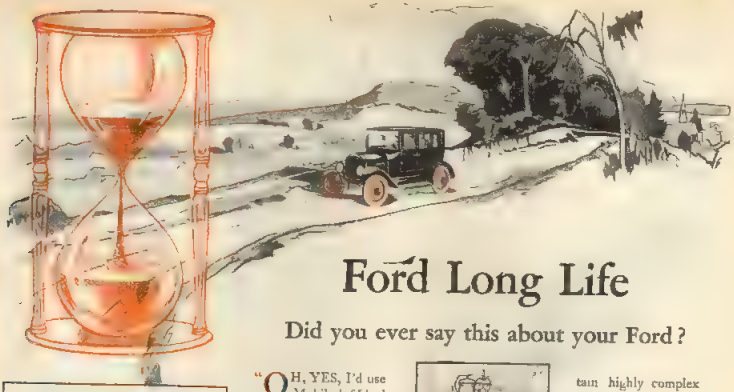
Beautiful gift set for men and women $4.50 to $100

EVERSHARP
Models for every need
50¢ to $6
Also made in solid gold
This model $5

WAHL PEN
Gold or silver filled or sterling
$3 to $10
Also made in solid gold
This model $8

Wahl Eversharp and Wahl Pen
Made in U. S. A. by The Wahl Co., Chicago
Made in Canada by The Wahl Co., Ltd., Toronto
Price same in Canada as U. S.

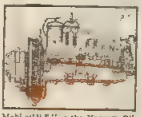
The New WAHL EVERSHARP
PERFECTED
and WAHL PEN



Ford Long Life

Did you ever say this about your Ford?

"OH, YES, I'd use Mobiloil if I had a more expensive car! But I don't see why a cheaper oil won't do just as well for my Ford."



Mobiloil "E" is the Vacuum Oil Company's specialized oil for your Ford Engine

If you have ever said that or thought that about *your* Ford, won't you look these facts squarely in the face?

It makes no difference whether your car costs $5,000, $2,000, $1,000, or is the efficient, but modestly-priced Ford—in time friction wears out all motors. *The time depends upon the lubrication.*

Specialization pays

Specialization has won for the Ford car its unique position in motordom. *Specialization* has resulted in "The Economy Car."

Specialization has given Mobiloil "E" its unique success in protecting Fords. *Specialization* has made Mobiloil "E" the economy oil.

In quality Mobiloil sets a world standard.

The real quality or "character" of a lubricant accrues from the presence of certain highly complex compounds within the crude stocks used.

These petroleum compounds possess the property of entering into enduring association with the molecules of the metal surfaces to be lubricated. This process is termed "AD-sorption."

Adsorption develops a tough, semi-permanent lubrication surface, distinct from, and independent of, the liquid oil film—almost an amalgam of oil and metal. This definite characteristic of Mobiloil "E" is your real protection against friction and wear during periods of operation when the liquid film is missing, as in starting; or when the liquid film is unduly stressed by excessive heat, pressure, speed or otherwise.

The Ford Motor Company has produced for you an unusually sturdy car. But the life and economy of your engine are largely in your own hands. If you really want lowest cost per mile you cannot afford to accept less than Mobiloil protection.

MAKE THIS CHART YOUR GUIDE

THE correct grades of Gargoyle Mobiloil for engine lubrication of prominent passenger cars are specified below. If your car is not listed here, see the complete Chart at your dealer's.

The grades of Gargoyle Mobiloil are indicated by the letters shown below. "Arc" means Gargoyle Mobiloil Arctic.

Follow winter recommendations when temperatures from 32°F (freezing to 0° F. zero) prevail. Below zero use Gargoyle Mobiloil Arctic except Ford Cars, use Gargoyle Mobiloil E.

NAMES OF PASSENGER CARS	1925		1924		1923		1922	
	Summer	Winter	Summer	Winter	Summer	Winter	Summer	Winter
Buick	A	Arc	A	Arc	A	Arc	Arc	Arc
Cadillac	A	Arc	A	Arc	A	A	A	A
Chandler	A	Arc	A	Arc	A	Arc	Arc	Arc
Chevrolet F-H							A	Arc
Chrysler	Arc	Arc	Arc	Arc	Arc	Arc	Arc	Arc
Dodge Brothers	A	A	A	A				
Durant 4	A	Arc	A	Arc	A	Arc	Arc	Arc
Essex	A	Arc	A	Arc	Arc	Arc	Arc	Arc
Ford	A	Arc	A	Arc	A	Arc	A	Arc
Franklin	E	F	E	F	E	F	E	F
Hudson Super 6	BB	BB	BB	BB	BB	BB	BB	BB
Hupmobile	A	Arc	A	Arc	A	Arc	Arc	Arc
Jewett	A	Arc	A	Arc	A	Arc	A	Arc
Maxwell	A	Arc	A	Arc	A	Arc	A	Arc
Nash	A	Arc	Arc	Arc	Arc	Arc	Arc	Arc
Oldsmobile	A	Arc	A	Arc	A	A	A	A
Oldsmobile 6					A	Arc	A	Arc
Overland	A	Arc	A	Arc	A	Arc	A	Arc
Reo	A	Arc	A	Arc	A	Arc	A	Arc
Rickenbacker 6	A	Arc	Arc	Arc	Arc	Arc	Arc	Arc
Rickenbacker 8	A	Arc	A	Arc				
Star	A	Arc	Arc	Arc	A	Arc		
Studebaker	A	Arc	A	Arc	A	Arc	A	Arc
Willys-Knight 4	B	Arc	B	Arc	A	Arc	B	Arc
Willys-Knight 6	A	Arc	A	Arc				

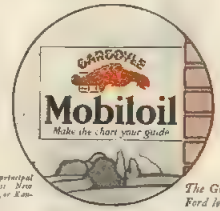
How to buy

From bulk you—50c is the fair retail price for single quarts of genuine Mobiloil from the barrel or pump.

For Touring Convenience—the sealed 1-quart can is ideal for touring or emergencies. Carry 2 or 3 under the seat of your car.

For Your Home Garage—the 5-gallon or the 1-gallon sealed cans or 15-, 30-, or 55-gallon steel drums with convenient faucets.

Add 2c per qt. slightly higher in Southwestern, Mountain and Pacific Coast States.



The Guide Sign to Ford long life

Branches in principal cities. Address New York, Chicago, or Kansas City.

VACUUM OIL COMPANY

The Eversharp point cannot wobble or turn

IT seems simple enough now. Everyone knows that a good pencil must hold the lead securely at the tip.

Yet for generations the makers of mechanical pencils overlooked this fact.

And nearly everybody went right on using wood pencils.

Then Eversharp appeared!

Eversharp was different in principle. It had the *rifled tip.*

This tip *gripped* the lead at the point. The lead could not wobble or turn. So Eversharp wrote as smoothly as a wood pencil.

Also it was *ever sharp.* Practically indestructible. Handsome and handy.

The world changed its mind about the mechanical pencil. A wood pencil in a man's pocket begins to appear odd.

Today, the new, *perfected* Eversharp is rapidly adding to the twenty million present Eversharp users.

It does not clog or jam. Reloads in a second. Is made with the precision of a watch.

There is an Eversharp fitted to be your companion in success.

Perhaps an Eversharp in working togs at $1 or less. Or probably a gold-filled or sterling model—harmonizing with your watch and other personal articles—$3 to $6.

Out of all the Eversharps priced up to $45, one is certain to be *your* pencil.

Thirty thousand Eversharp dealers are ready to help you select. Several are conveniently near.

The New WAHL EVERSHARP

PERFECTED

Wahl Eversharp and Wahl Pen
Made in U. S. A. by The Wahl Co., Chicago
Made in Canada by The Wahl Co., Ltd., Toronto
Prices same in Canada as U. S.

Wear-proof—unbreakable and an Ivory-smooth Point

The barrel of a self filling pen is not an ink fount, but a case to hold the nib and protect the soft rubber ink sac which actually contains the ink supply.

The barrel should be stout and long wearing like a watch case.

Taking another suggestion from the watchmaker, the pen barrel and cap should be gold or silver. For beauty aside, what other materials are so enduring and satisfactory?

The thin, strong walls of the beautiful metal barrel of the Wahl Pen allow space for a much larger ink sac. Ink capacity is far greater than in the ordinary fountain pen.

The nibs of Wahl Pens are the finest product of the jeweler's art. Their iridium tipped points are ivory-smooth. And no nib in the world will outwear them.

Your dealer can show you a Wahl Pen to match your Eversharp. Carry both and be sure you are right in your writing equipment.

Red Tip Leads are the smoothest quality perfect in size, and economical. Made in black (F grade) red, blue, green, yellow, purple copying. At all dealers.

WAHL PEN

Orange Jell-O

© Genl. Foods Corporation, 1925

WE Americans have a way with desserts that is all our own. It is an Anglo-Saxon trait to eat a heavy pie or pudding that is a meal in itself after a hearty dinner, and we alone of all people discourage the flow of gastric juices by generous servings of frozen ices and creams as a last course. The ideal dessert is one that is light, not too sweet, delicate and not an added burden to digestion; a dainty, for a gracious "farewell," not a substantial course.

Dishes that have gelatine as a basis have just these characteristics. They melt in the mouth, they are chilled without being frozen, solid without being hard, and they furnish nutrition in the way of protein and sugars, supplemented by the whipped cream or fruit that is added to them. Plain or with cream, they make an ideal dessert for children, giving a sweet taste without an undue amount of sugar.

Reprinted by permission from the New York Tribune Institute.

JELL-O

America's Most Famous Dessert

A beautiful Jell-O Book which describes the many uses of Jell-O in desserts and salads will be mailed free on request.

The American offices of The Jell-O Company, Inc., are at LeRoy, N. Y. The Canadian are at Bridgeburg, Ont.

Silvertown Balloons

Performance, unerring critic of tire quality, has convinced thousands of motorists — that the longest run of comfort is embodied in *Silvertown Balloon Cords*

THE B. F. GOODRICH RUBBER COMPANY, AKRON, OHIO
In Canada: THE B. F. GOODRICH RUBBER COMPANY, Limited, Kitchener

Goodrich

"Best in the Long Run"

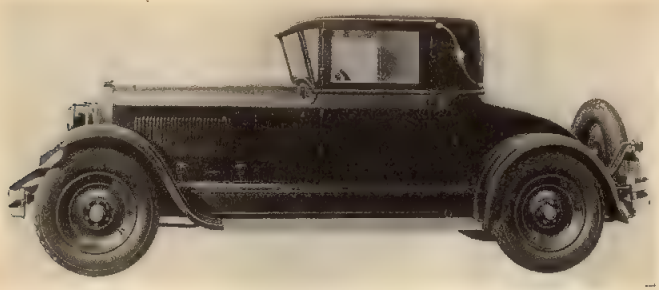
STUTZ
THE Car Manufacturer should be vitally interested in the profits the car dealer makes.
In my plans for the expansion of the Stutz business, I have not overlooked this great essential.
To those who are seeking a connection which will guarantee them the maximum of protection and co-operation, I have a message of real interest to deliver.
FREDRICK E. MOSKOVICS
President
STUTZ MOTOR CAR COMPANY-
OF AMERICA, Inc.
INDIANAPOLIS, INDIANA.

FACTORY quotas are dealers' nightmares, and the larger the production the more horrible the dream.

This is the stuff that overhead is made of and overhead is the demon that devours the dealer's profits.

I want to see Stutz dealers sell a fair amount of cars in their territory, but I am vitally interested in seeing them earn a reasonable profit.

FREDRICK E. MOSKOVICS
President
STUTZ MOTOR CAR COMPANY OF AMERICA, Inc.
INDIANAPOLIS, INDIANA.



Gardner 8-in-line foursome cabriolet

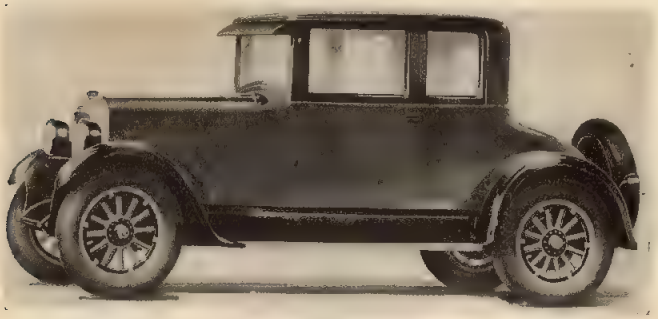
Gardner Adds Foursome Cabriolet

THE Gardner Motor Co., Inc., St. Louis, is now in production on a new model of the eight-in-line series. The new job called the Foursome Cabriolet accommodates two passengers in the rumble seat and two in the forward compartment.

Upholstery is first quality mohair harmonizing with the outside body finish of two-tone Musketeer and Matchlock gray Duco. The rumble seat in the rear deck which provides seating capacity for two passengers is upholstered in machine-buffed Spanish leather. The windshield frame is a solid aluminum casting designed so as to eliminate the usual blind corner and give clear driving vision.

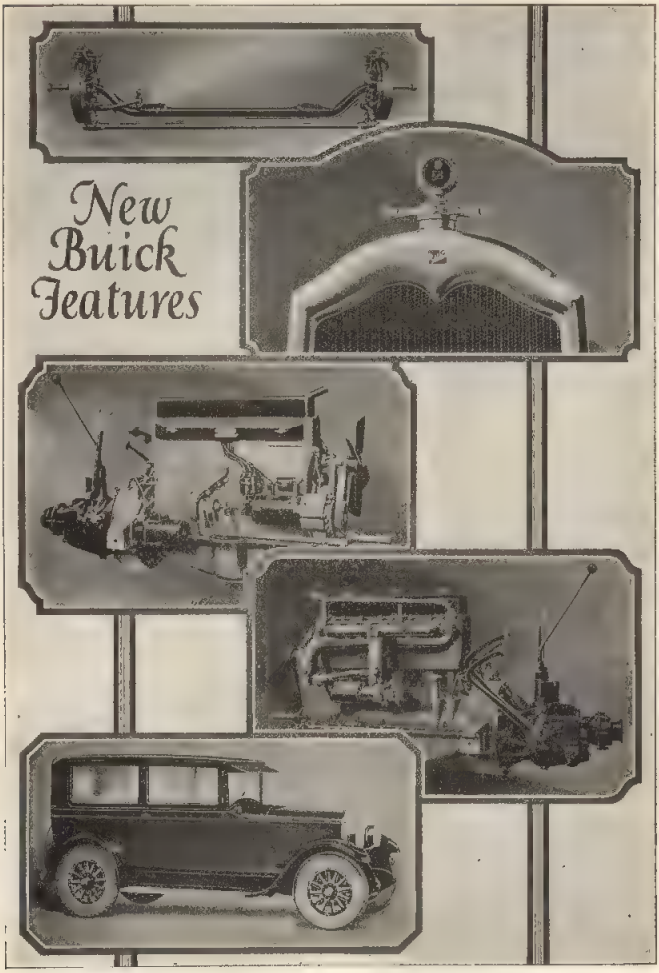
Corner post lights are used for interior illumination and there is a compartment just back of the main seat for packages and tools. A sliding plate glass window in the rear gives added ventilation when desired and permits friendly communication with passengers in the rear seat.

Regular equipment includes five Disteel wheels, five 5.77 balloon tires, double-barred bumpers front and rear, cover for spare tire, snubbers all round. The car lists at $2,245 f. o. b. St. Louis.



New radiator shell on Studebaker Standard Six Country Club Coupe

All Studebaker models on the "Standard Six" chassis are now being equipped with a radiator shell of improved appearance. Earlier "Standard" editions carried a shell whose upper part while of convex shape has a somewhat flat appearance. The new shell which of course is interchangeable with those of the former style, has a perfectly rounded contour and is very similar to the "Big Six" design except that it is smaller and the fluting or scroll work eliminated. A slight change has also been made in the shape of the side rear quarter windows on the duplex-phaetons.



Price reductions and chassis revisions in Buick line for 1926

Chief among the mechanical changes is an increase in cylinder bore diameter of ⅛ inch on all engines. Front wheel brakes have been fitted with boots on linkage, radiator has been rounded out in front slightly, a two unit electrical system is now installed in place of the former motor generator, and both an air cleaner and oil filter are now fitted as regular equipment. Several other revisions have been made which will be covered in a later description.

Prices on new models are listed on page 101.

The Human Desire to Own the Best Suggests *the* Cadillac

Own the Car You Long Have Wanted

Value more remarkable than that of this fine Cadillac Coach is simply not to be had in the motor car market. For Cadillac has built—not merely a closed car at open car price—but a closed car in which outstanding value, quality and beauty go hand in hand.

Those who have viewed the Coach, who have observed the elegance and comfort of its large five-passenger body and experienced the powerful, vibrationless performance of the V-63 eight-cylinder chassis, tell us that the car confers new meaning upon Coach design.

And so, in steadily increasing numbers, discriminating purchasers are acquiring this fine Cadillac Coach, fulfilling their desire to own the best.

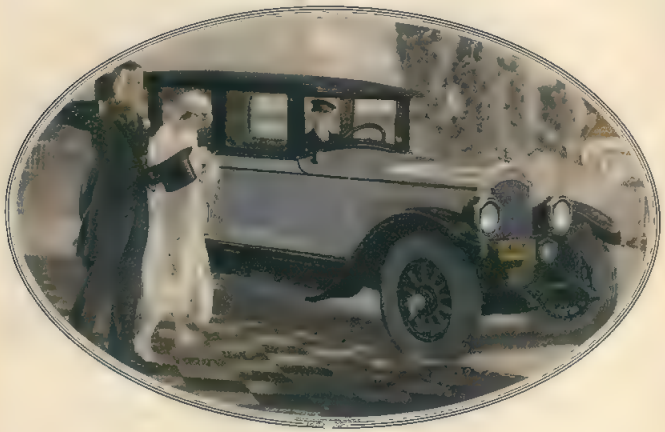
$3185
f. o. b. Detroit

CADILLAC MOTOR CAR COMPANY, DETROIT, MICHIGAN
Division of General Motors Corporation

CADILLAC COACH

STANDARD OF THE WORLD

A Very Different Six *for Those Who Want the Finest*



To discerning motorists, all that need be said of the luxurious new Willys-Knight Six is the fact that it has the only type of *six-cylinder* automobile engine ever invented that actually and literally grows *quieter, smoother and more powerful* with use . . . That said, *nothing need be added!*

WILLYS-OVERLAND, *Inc., Toledo Ohio* - WILLYS-OVERLAND *SalesCo. Ltd., Toronto, Canada*

The New
WILLYS-KNIGHT
SIX

Touring, $1895; Roadster, $1895; Coupe-Sedan, $2145; Brougham, $2295; 4-Pass. Coupe, $2385; Sedan, $2495.
Prices f. o. b. Toledo

WILLYS · OVERLAND · FINE · MOTOR · CARS

World's Lowest Priced Line of Cars

with Sliding Gear Transmission

Now
equipped with

All Steel Bodies

Greater Vision - Greater Safety
Greater Power - Greater Economy

A chassis that has proved its quality to over 250,000 owners

WILLYS OVERLAND INC, TOLEDO OHIO - WILLYS-OVERLAND SALES CO. LTD. TORONTO, CAN.

New All-Steel OVERLAND SEDAN

By public acclamation the unrivaled leader in the low-priced closed car field. $110 lower than the nearest competitive car. *All-Steel* body, greater safety, greater vision, greater strength, longer life. Duco finish. Four doors.

$715 FOB TOLEDO

New All-Steel OVERLAND COUPE

A better-than-ever closed car for professional men, salesmen and small families at a lower-than-ever price. All-steel body, Duco finish. Extra wide doors. Extra large luggage compartment in dust-tight rear deck.

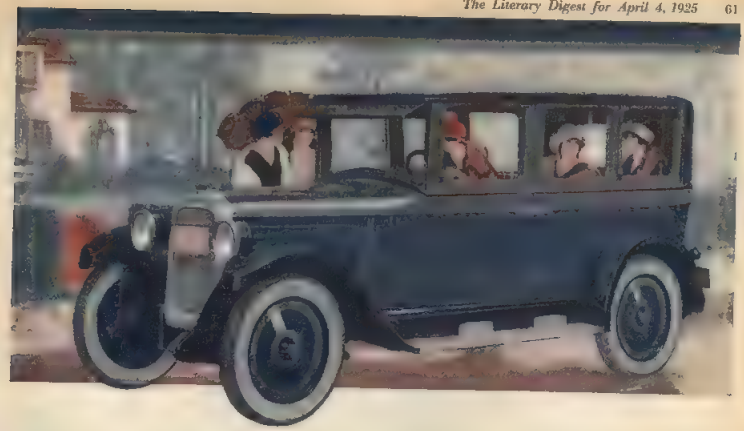
$635 FOB TOLEDO

New All-Steel TOURING CAR

Lustrous baked-enamel finish, *permanently* beautiful . . . big power . . . *patented* Triplex Springs . . . rugged axles . . . disc-type clutch . . . reliable . . . extreme economy . . . lowest insurance *rates*.

$495 FOB TOLEDO

OVERLAND



More people are talking about this Fine Car than any other Car in America

From the very first, thousands of far-seeing motorists predicted that the new Overland Six would be the outstanding automobile of the year. It was the unrivaled hit of all the Automobile Shows—the great favorite of the crowds—and its success has grown to proportions never before attained by any other automobile in comparable time. ¶ People who *know* automobiles unhesitatingly call the new Overland Six an engineering masterpiece. It is beautifully designed . . . wonderfully balanced . . . beautifully built . . . beautifully finished and a brilliant performer on the open road, in traffic, on hills. ¶ It gives you hair-trigger action when you touch the throttle. It gives you speed . . . and smoothness . . . and economy you'd never expect with six-cylinder performance. Reclined seats and long flexible springs give delightful riding comfort. A demonstration *is a revelation!* Don't fail to see the new Overland Six! Willys-Overland, Inc., Toledo, Ohio—Willys-Overland, Sales Co. Ltd., Toronto, Canada.

The Fine
New OVERLAND
With SIX *Cylinders*

WILLYS OVERLAND FINE MOTOR CARS

WILLYS · OVERLAND · FINE · MOTOR · CARS

An Announcement For those who want the Finest

A regally luxurious motor car with the *only* type of six-cylinder engine in the world that actually grows *quieter, smoother, more powerful*··*No* valves to grind··*No* carbon annoyance··60 horsepower performance··A motor car beautifully *engineered*, beautifully *built*–and stylish as *the Rue de la Paix*.

The New
WILLYS-KNIGHT
SIX
For those who want the Finest

WILLYS-OVERLAND *Inc., Toledo, Ohio* ··WILLYS-OVERLAND *Sales Co. Ltd., Toronto, Canada*

CADILLAC-COACH

A New V-63 Closed Model at the Same Price as the Touring Car—$3385 f. o. b. Detroit

Many Are Deciding That Their Day of *Cadillac Ownership* is Here

A logical thing is happening in the motor car market · · · It is the "stepping up" of a large number of motorists from ordinary automobiles to the outstanding *fine* automobile.

For years, these men and women have desired Cadillac closed cars. For years they have been thinking, "Some day Cadillac will build a closed model priced but little higher than closed cars of average quality—then nothing will stop me from owning one."

Now, in the Cadillac Coach, mounted on the V-63 chassis with its harmonized 90° V-Type eight-cylinder engine and built-in Cadillac Four-Wheel Brakes, these motorists recognize the car they have been awaiting and anticipating.

Eagerly, they are fulfilling their desire for Cadillac ownership.

CADILLAC MOTOR CAR COMPANY, DETROIT, MICHIGAN
Division of General Motors Corporation

The human desire to own the best suggests the CADILLAC

THE MAN who buys a V-63 Cadillac is influenced above all else by consideration of its known quality.

He buys the V-63 because he wants the most thoroughly reliable and the smoothest performing eight-cylinder automobile; because he wants the absolute security and marvelous control provided by built-in Cadillac Four-Wheel Brakes; because he wants Cadillac beauty, comfort and distinction.

He buys the V-63 to have and enjoy all of the advantages of Cadillac ownership - greatest of which is the assurance that he can continue to drive the car year after year and receive the same flawless, dependable, economical service. He knows of no other automobile that is so thoroughly proved, that offers the same certainty of satisfaction and that can be so completely relied upon as the Cadillac.

In buying it, he buys assured quality—he fulfills his desire to own the best

CADILLAC MOTOR CAR COMPANY
DETROIT, MICHIGAN
Division of General Motors Corporation

The human desire to own the best suggests the CADILLAC

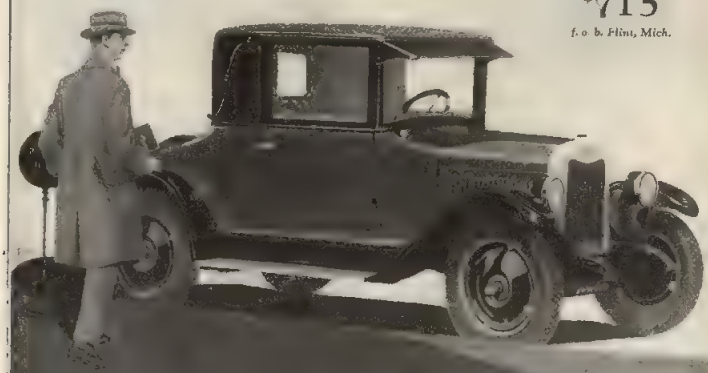
V63

STANDARD OF THE WORLD

CHEVROLET

for Economical Transportation

The Coupe
$715
f. o. b. Flint, Mich.



UTILITY

Fine quality—beautiful appearance—a smart Fisher body—Duco finish—a low cost car of great utility for business and professional men or as a second car for the family.

Roadster	$525
Tour	525
Coupe	715
	715
	625
	645
	695

ALL PRICES F. O. B. FLINT, MICH.

MOTOR [illegible] FLINT, MICH.
[illegible] CORPORATION

QUALITY AT LOW COST

How Chrysler's New Results Are Revising an Industry

If a year ago the Chrysler Six had been merely another new car, its influence in the industry would not have been felt; nor would its first-year production of more than 32,000 cars—the largest ever recorded—have been required.

But it was in reality the first step in the general revision of motor car design which the past year so plainly indicates.

For Chrysler Six is an entirely new *type* of car, built on a new *kind* of engineering which produces results radically *different* from any others yet registered in the industry.

In the motor car industry, Chrysler quickly became the turning point which inevitably arrives in every industry—when revolutionary improvements render the original invention almost obsolete.

No other interpretation can be placed upon a car which with a 3-inch motor delivers 68 horsepower and a speed of more than 70 miles per hour.

The difference of Chrysler Six engineering is emphasized a hundred fold by the further fact that this motor yields better than 20 miles to the gallon of gasoline.

Nothing but engineering of the highest scientific character, with quality of the highest degree, could produce such a vibrationless engine as the Chrysler Six.

There is no other explanation for the fact you can comfortably drive the Chrysler Six at 60 miles an hour or more over a cobbled street; or safely take it around turns at 50 miles an hour.

That is balance in the *nth* degree—scientific balance, if you please.

Chrysler Six disposes for all time of the idea that weight and length are necessary to easy riding—that a great cumbersome engine is necessary for power.

For the first time, a car of Chrysler Six size has been engineered to afford not only comfortable seating space but comfortable riding. Even the side-sway is gone, because the rear springs are placed close to the wheel-hubs and parallel to the wheels.

Details quoted by the score would show that the Chrysler Six was and still is as far in advance of ordinary practice as the harvester of today is ahead of the first clumsy reaping machine.

You will find any Chrysler Six dealer eager to give you a demonstration, and supply you with all the structural details which prove every Chrysler claim.

The Touring Car, $1395; The Phaeton, $1495; The Roadster, $1625; The Sedan, $1825; The Royal Coupe, $1895; The Brougham, $1965; The Imperial, $2065; The Crown-Imperial, $2195. All prices f.o.b. Detroit subject to current government tax. Bodies by Fisher on all Chrysler Six enclosed models. All models equipped with special design six-ply, high-speed balloon tires. There are Chrysler dealers and superior Chrysler service everywhere. All dealers are in position to extend the convenience of time-payments. Ask about Chrysler's attractive plan.

CHRYSLER MOTOR CORPORATION, DETROIT, MICHIGAN
Division of Maxwell Motor Corporation
MAXWELL-CHRYSLER MOTOR COMPANY OF CANADA, LIMITED, WINDSOR, ONT.

CHRYSLER SIX

Low-cost Transportation

Star Cars

2-DOOR SEDAN
$750 f. o. b. Lansing, Mich.

Why the 2-Door Sedan Leads in Value

THIS recent addition to the Star line offers amazing evidence of the values made possible by modern production facilities.

Here is a five passenger car, having not only the highest quality chassis and motor in the low-priced field, but also a body that in style, comfort and roominess is unsurpassed even on cars selling at much higher prices.

Externally, the body is finished in a rich blue lacquer with white stripe. The top is of grained artificial leather embellished with carriage guards in black enamel and nickel. Fenders and running gears are black. The radiator shell is nickeled with the same quality of plating as used on high priced cars.

The interior of the 2-door Sedan is upholstered in a durable, figured, basket weave worsted in serviceable French blue.

The windshield is in one piece and fixed in position. Ventilation without exposure to the weather is available through a cowl ventilator plus two ceiling ventilators directly over the windshield.

The seat next to the driver's folds towards the latter, affording, with the extra wide doors, ample room for entering or leaving.

The cubical capacity of this body exceeds that of any other low-priced car.

The most surprising feature of this car is the price: $750, f. o. b. Lansing, Mich. We urge comparison with any other car listing for less than $1000.

Finally, the million dollar motor and high grade Star chassis yield the utmost in operating economy, reliability and ease of handling.

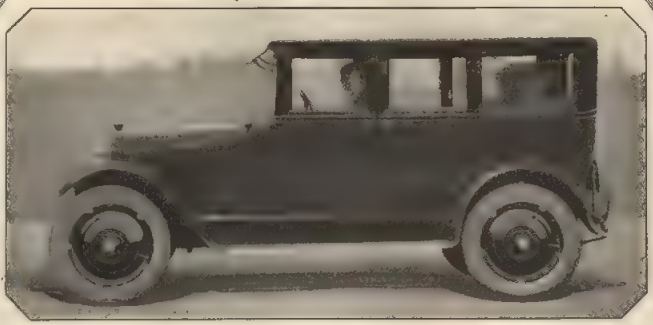
STAR CAR PRICES
f. o. b. Lansing, Mich.

Touring $540 Roadster $540 Coupe $715 2-Door Sedan $750 4-Door Sedan $820 Commercial Chassis $445

DURANT MOTORS, INC., BROADWAY AT 57th STREET, NEW YORK CITY
Dealers and Service Stations Throughout the United States and Canada

PLANTS: - ELIZABETH, N. J. - LANSING, MICH. - OAKLAND, CAL. - TORONTO, ONT.

DURANT FOUR
for VALUE



The Joy of Climbing Hills on High

THIS comes to the owners of Durant Cars. Hills that demand shifts to second gear in most cars yield easily to the flexible power of the Durant Motor.

Without strain or knock and with only a slight extra pressure on the accelerator the Durant mounts long, steep grades and passes higher-priced cars whose owners are busy shifting gears.

In addition to this exceptionally powerful, quiet motor, the Durant has a chassis that throughout is of most substantial and satisfactory construction.

It is as reliable and as nearly trouble-free as that of any car on the market.

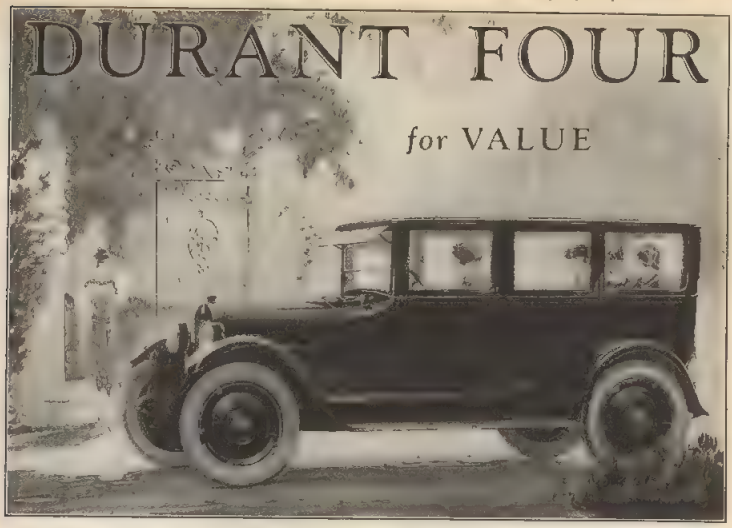
The design, finish and interior appointments are in keeping with the high quality of the engineering. At the new low prices, the Durant offers great value per dollar of cost

PRICES
f. o. b. Lansing, Mich.

Touring	$830
Coach	$1050
4 Passenger Coupe .	$1160
Sedan	$1190

DURANT MOTORS, Inc., NEW YORK, N. Y.
Broadway at 57th Street
Dealers and Service Stations throughout the United States and Canada
PLANTS: ELIZABETH, N. J. -- LANSING, MICH. -- OAKLAND, CAL. -- TORONTO, ONT.

It's a delight to drive a Durant



THE MOST FOR THE MONEY

This ideal type of American family car, at its new low price, represents the outstanding buy in its class.

Flexible Power from the new Durant Motor makes hill-climbing easy, touring delightful, and handling in traffic easy.

Economy is assured by the high quality of construction and the operating efficiency of the motor.

Enduring Satisfaction results from the substantially built body, with its genuine mohair upholstery.

Permit any Durant Dealer to demonstrate this very satisfactory car.

Prices f. o. b. Lansing Mich.: TOURING $830, COACH $1050, 4-PASSENGER COUPE $1160, SEDAN $1190

DURANT MOTORS, INC., Broadway at 57th Street, NEW YORK, N. Y.

Dealers and Service Stations Throughout the United States and Canada

PLANTS: - ELIZABETH, N. J. - LANSING, MICH. - OAKLAND, CAL. - TORONTO, ONT.

Star 2-Door Sedan

$750.00 f. o. b. Lansing, Mich.

Style, Comfort and Low Cost

THE new Star 2-Door Sedan is a real 5-Passenger car that offers the average family an ideal year 'round transportation facility.

It is finished in rich blue lacquer with grained artificial leather top and has an unusually roomy interior arrangement. The right-hand front seat folds towards the driver's seat when not in use, and the extra wide doors afford easy passage to and from the rear seat. Upholstery is both artistic and durable. This car must be seen and tried to appreciate its exceptional merit and value.

Low-cost Transportation

Star Cars

DURANT MOTORS, Inc., NEW YORK CITY

PRICES: f.o.b. Lansing, Mich.

Touring	$540	2 Door Sedan	$750
Coupster	$625	4 Door Sedan	$820
Coupe	$715	Com Chassis	$445

29x4.40 in. Balloon Tires, $25 extra

BROADWAY at 57th STREET

Dealers and Service Stations throughout the United States and Canada

PLANTS

ELIZABETH, N. J.; LANSING, MICH.
OAKLAND, CAL.; TORONTO, ONT.

See This Roomy Sedan

If there is no Durant Star dealer near you write Durant Motors, Inc., General Sales Offices, 1819 Broadway, N.Y., for Free Booklet and Full Information.

Essex Alone Gives This Quality and This Price

The Reason for its Amazing Sale

Buyers know what Essex gives can be had elsewhere only at far higher cost. The great Essex sales record is due to no other thing. It is recognition of a value leadership so overwhelming that it is not even challenged.

Today's Essex is the greatest of all Essex values. It is the finest Essex ever built. It is the smoothest, most reliable Essex ever built. It is the best looking, most comfortably riding Essex ever built. We believe its maintenance and operation the most economical of any car in the world. And the price because of famous patents, with volume manufacturing advantages that are absolutely exclusive, is the lowest at which Essex ever sold.

THINK *Where Else So Much for*
$895
Freight and Tax Extra

On every side its hosts of owners praise it with such pride and conviction as we have never heard for any other car. What they say has revealed this great value to thousands of buyers. It is reflected in the greatest sales in our history. And the rapidity of this sales increase shows how thoroughly the facts about Essex have penetrated the entire market. Wherever you go, note how Hudson Essex outnumber all new cars—the surpassing proof of value—greatest sales.

THE FINEST ESSEX EVER BUILT

A RELIEF FROM THE COMMONPLACE

Realizing that many people would prefer the distinction and exhilaration of an open car if they could find the right kind, Franklin presents the new de Causse design. This Touring Car has a made-to-order air that sets it apart from ordinary open models. It satisfies fully the desire for fineness and style among those who delight in action and the open.

In service, it becomes more than ever the sort of car in which you take especial pride and pleasure. For beneath its design appeal are not only high power and exceptional comfort, but also the Franklin reputation for long life and owner satisfaction. Over 75% of all Franklins ever built are still in active service, while 62% of last year's entire output went to those who already owned Franklins.

* * * * *

Like the six other Series 11 types, this Touring comes ready for the road—fully equipped with appropriate accessories, spare tire and cover—at the catalog price. Only freight and tax are extra.

FRANKLIN

Announcing

SMART NEW MOTOR CARS

Beautiful new bodies by Fisher, handsome new radiator, striking color combinations in permanent Duco Finish and long, low lines, combine style, beauty and distinction absolutely unequaled in Oakland's type or price class.

THE HARMONIC BALANCER

An exclusive engineering development which renders the Oakland Six engine positively unmatched in the absence of vibration at all speeds. *This is but one of many important engine and chassis improvements.*

PRICES $70 TO $350 LOWER

Motorists everywhere will be talking about this latest Oakland—its irresistible beauty—its incomparable smoothness—its surprisingly lower prices.

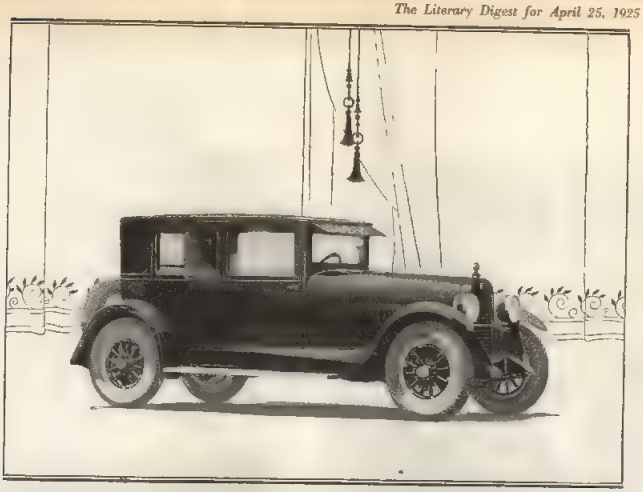
Without exception Oakland Dealers tell us that Oakland has more than made good its pledge to keep the Oakland Six far in advance of its field.

OAKLAND MOTOR CAR COMPANY, PONTIAC, MICH.

WINNING AND HOLDING GOOD WILL

OAKLAND SIX

PRODUCT OF GENERAL MOTORS



Everyone Calls It

"The World's Greatest Buy"

And Hudson Sales are the Greatest in History

HUDSON COACH $1345

SEDAN
5-PASSENGER
$1795

7-PASSENGER
$1895

Freight and Tax Extra

Because all know higher price can buy no smoother performance than Hudson's. It cannot buy more brilliant results in acceleration, power or speed. It cannot buy greater reliability or endurance. At the cost of a moderate priced open car, Hudson gives closed car comforts, with chassis quality that is only comparable to the greatest and costliest cars. The largest Hudson sales on record show how well buyers know the facts.

Only Hudson Can Build This Value

Hudson's supreme advantage is the famous Super-Six motor. It is patented. No other maker can use it. For ten years it has made Hudson the largest selling fine car in the world. Now it gives like dominance among all 6-cylinder closed cars. When it came, it almost doubled the efficiency of "Sixes." No type, however costly, has ever been developed to excel it in performance, smoothness or reliability.

Its simplicity has always meant a lower selling price than is permitted in complicated types. And today, economies possible only to the largest production of 6-cylinder closed cars give it value advantages never held by any rival. Hudson's invention and three years' development of the Coach, also give it exclusive manufacturing advantages in this most famous of all closed car values.

The high resale value of Hudsons is due not only to their wanted closed car comforts, but even more to a mechanism that stays new for years in smooth performance and reliability.

The World's Largest Builders of Six-Cylinder Closed Cars

$1250

Freight and Tax Extra

New Price for HUDSON COACH *(Was $1345)*

Today's Hudson Super-Six Coach costs less than half the price at which the open models have sold. We are the world's largest builders of 6-cylinder cars. Quality is constantly improved and therefore Hudson is more than ever

"The World's Greatest Buy"

Hudson's leadership is based upon ten years' concentration in refining a great car around the famous Super-Six motor. This exclusive invention added 80% to motor efficiency, yielding 76 horsepower without added weight, size or cost. It almost doubled car endurance. No motor, however costly, in design or construction excels Super-Six smoothness, reliability and performance.

There has been constant improvement in every detail. Easier steering, greater roadability, more comfort, better materials, finer workmanship, handsomer appearance, and more lasting finish. In all ways it is the greatest Hudson and the lowest priced Hudson.

HUDSON SUPER-SIX SEDAN

5-Passenger **$1695** *(Was $1795)* *–7-Passenger* **$1795** *(Was $1895)*

All Prices Freight and Tax Extra

Such Quality Has Always Cost Hundreds of Dollars More

Today's Essex is the finest ever built. It is the smoothest, most reliable Essex ever built. It is the best looking, most comfortably riding Essex ever built. And the price, because of volume, is the lowest at which Essex ever sold.

The Finest ESSEX Ever Built

$895

Freight and Tax Extra

Proof of Greatest Value—Which Is Sales

Its overwhelming public acceptance confirms by actual sales supremacy the outstanding leadership of Essex value. Never was that position so clear, and so rightly deserved as today.

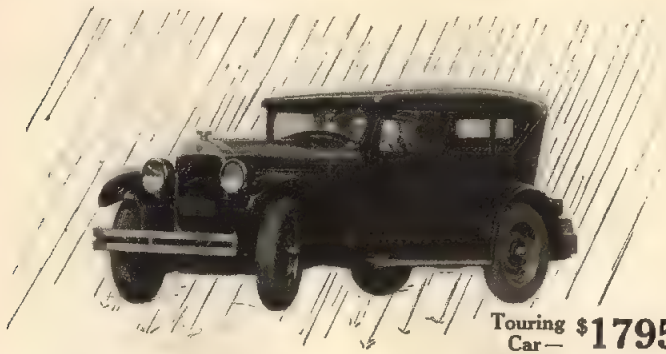
Essex won its great recognition on the issue of finest quality, performance and utility without useless size, weight or cost.

And with its low first cost and operating economies, you get qualities of long-lasting, reliable performance, smoothness and riding ease.

Essex requires little attention to keep in top condition. Its maintenance cost, we believe, is the lowest of any car in the world. You sacrifice no motoring pleasure, comfort or good looks that large, high-priced cars can give. Essex is nimble of action It is easily handled in crowded traffic, responsive to every call for power or speed. And with it you know all the satisfaction that comes with its distinction as a fine and beautiful car.

Can any other car within hundreds of dollars of the price satisfy you so well?

Hudson-Essex, Largest Selling Six-Cylinder Closed Cars in the World



Touring Car— $1795

F.O.B. Detroit, Tax to be added
Glassmobile Panels $35 Extra

Power **in the Hupmobile Eight — A soft, soothing purr; a mighty flood at the point of your toe.** ***Speed*** **— Buoyant, easy, dashing; or sustained for mile after mile like a swift express train.** ***Safety*** **—Hair-trigger acceleration from eight eager cylinders; the ground-gripping surety of four hydraulic brakes.** ***Comfort*** **— Complete relaxation; your mind a million miles removed from mechanical things. Here is the sum of the fascinating new performance which made this car the** ***largest-selling eight*** **of its type in the world in less than six months.**

For summer and winter use, Hupmobile dealers are now fitting Hupmobile Eight open cars with Glassmobile equipment, as illustrated. Glassmobile, at a slight additional cost, takes the place of the ordinary side curtains, giving complete closed-car protection from summer rains and winter's cold, with ample ventilation, quick application and removal whenever you wish, without tools, in four to five minutes. Clear vision through a wide expanse of crystal-clear glass.

Sedan, Now $2195; Coupe, Two or Four-Passenger, Now $2095; Touring Car, Now $1795; Roadster, Now $1795; Dickey-Seat Roadster, Now $1895. F.O.B. Detroit, tax to be added

GET ACQUAINTED WITH YOUR HUPMOBILE DEALER. HE IS A GOOD MAN TO KNOW

HUPMOBILE EIGHT

Three great factories are devoted exclusively to the manufacture of International Motor Trucks. There are 111 direct company branches—the largest company-owned truck service organization in the world—located in the following cities:

Aberdeen, S. D.
Akron, Ohio
Albany, N. Y.
Amarillo, Tex.
Anderson, Ind.
Asheville, N. C.
Atlanta, Ga.
Baltimore, Md.
Billings, Mont.
Binghamton, N. Y.
Bismarck, N. D.
Boston, Mass.
Brooklyn, N. Y.
Buffalo, N. Y.
Camden, N. J.
Cedar Rapids, Iowa
Cedar Rapids, Iowa
Charlotte, N. C.
Chattanooga, Tenn.
Cheyenne, Wyo.
Chicago, Ill. (2)
Cincinnati, Ohio
Cleveland, Ohio
Columbia, S. C.
Columbus, Ohio
Dallas, Texas
Davenport, Iowa
Dayton, Ohio
Denver, Colo.
Des Moines, Iowa
Detroit, Mich.
Duluth, Minn.
Elmira, N. Y.
El Paso, Tex.
Evansville, Ind.
Fargo, N. D.
Fort Dodge, Iowa
Fort Wayne, Ind.
Fort Worth, Tex.
Grand Forks, N. D.
Grand Rapids, Mich.
Green Bay, Wis.
Harrisburg, Pa.
Helena, Mont.
Houston, Tex.
Hutchinson, Kan.
Indianapolis, Ind.
Jackson, Mich.
Jackson, Miss.
Jersey City, N. J.
Kansas City, Kan.
Kansas City, Mo.
Knoxville, Tenn.
Lincoln, Neb.
Little Rock, Ark.
Long Island City, N. Y.
Los Angeles, Calif.
Louisville, Ky.
Madison, Wis.
Manchester, Minn.
Memphis, Tenn.
Milwaukee, Wis.
Minneapolis, Minn.
Mobile, Ala.
Nashville, Tenn.
Newark, N. J.
New Orleans, La.
New York, N. Y.
Oshkosh, Wis.
Oklahoma City, Okla.
Omaha, Neb.
Parkersburg, W. Va.
Pasadena, Calif.
Peoria, Ill.
Philadelphia, Pa.
Pittsburgh, Pa.
Portland, Ore.
Quincy, Ill.
Richmond, Ind.
Rochester, N. Y.
Rockford, Ill.
Sacramento, Calif.
St. Cloud, Minn.
St. Joseph, Mo.
St. Louis, Mo.
St. Paul, Minn.
Salt Lake City, Utah
San Antonio, Tex.
San Francisco, Calif.
Seattle, Wash.
Sioux City, Iowa
Sioux Falls, S. D.
South Bend, Ind.
Spokane, Wash.
Springfield, Ill.
Springfield, Mass.
St. Louis, Mo.
Terre Haute, Ind.
Toledo, Ohio
Topeka, Kan.
Watertown, N. Y.
Wichita, Kan.
Winona, Minn.

In addition to these company branches more than 1500 dealers, in as many communities from one end of the country to the other, are ready to serve International owners.

The Harvester aim —low-cost hauling

ALMOST a century ago—in 1831 to be exact—the first of the Harvester Company's products began to build a reputation that was to extend through every country of the world. Since then other products have followed, deserving in every instance to be members of this famous line.

Twenty years ago motor trucks were added. During the years that followed, the International organization has played a steadily constructive part in the progress of motor transportation.

The mechanical excellence of International Trucks has advanced in keeping with the standards set by other products of this Company throughout its history.

Today the accumulated International experience is evident in outstanding features of design, such as the life-guaranteed ball-bearing crankshaft, the removable cylinders, steer-easy steering gear, and auxiliary rear springs. And the International reputation is reflected in the fact that the entire capacity of three great factories is required for the manufacture of International Trucks.

Good trucks for twenty years—better trucks now than ever!

The International line includes a Speed Truck for 2000-pound loads, Heavy Duty Trucks ranging from 3000 to 10,000 pounds, maximum capacities, and Motor Coaches for all requirements.

INTERNATIONAL HARVESTER COMPANY
OF AMERICA
(INCORPORATED)
606 So. Michigan Ave. Chicago, Ill.

INTERNATIONAL TRUCKS

FOR LOW-COST HAULING

Three great factories are devoted exclusively to the manufacture of International Motor Trucks. There are 105 direct company branches—the largest company-owned truck service organization in the world—located in the following cities:

Aberdeen, S. D.
Akron, Ohio
Albany, N. Y.
Amarillo, Tex.
Atlanta, Ga.
Auburn, N. Y.
Baltimore, Md.
Bangor, Me.
Birmingham, Ala.
Bismarck, N. D.
Boston, Mass.
Buffalo, N. Y.
Cedar Falls, Iowa
Cedar Rapids, Iowa
Charlotte, N. C.
Chattanooga, Tenn.
Cheyenne, Wyo.
Chicago, Ill.
Cincinnati, Ohio
Cleveland, Ohio
Columbia, S. C.
Columbus, Ohio
Council Bluffs, Iowa
Dallas, Tex.
Davenport, Iowa
Dayton, Ohio
Denver, Colo.
Des Moines, Iowa
Detroit, Mich.
Dubuque, Iowa
Duluth, Minn.
East St. Louis, Ill.
Eau Claire, Wis.
Elmira, N. Y.
El Paso, Tex.
Evansville, Ind.
Fargo, N. D.
Fort Dodge, Iowa
Fort Wayne, Ind.
Fort Worth, Tex.
Grand Forks, N. D.
Grand Rapids, Mich.
Green Bay, Wis.
Harrisburg, Pa.
Helena, Mont.
Houston, Tex.
Huntington, W. Va.
Indianapolis, Ind.
Jackson, Mich.
Jacksonville, Fla.
Kankakee, Ill.
Kansas City, Mo.
Knoxville, Tenn.
Lincoln, Neb.
Little Rock, Ark.
Los Angeles, Calif.
Louisville, Ky.
Madison, Wis.
Mankato, Minn.
Mason City, Iowa
Memphis, Tenn.
Milwaukee, Wis.
Minneapolis, Minn.
Minot, N. D.
Nashville, Tenn.
Newark, N. J.
New Orleans, La.
New York, N. Y.
Oglesburg, N. Y.
Oklahoma City, Okla.
Omaha, Neb.
Parkersburg, W. Va.
Parsons, Kan.
Peoria, Ill.
Philadelphia, Pa.
Pittsburgh, Pa.
Portland, Ore.
Quincy, Ill.
Richmond, Ind.
Richmond, Va.
Rochester, N. Y.
Rockford, Ill.
Saginaw, Mich.
St. Cloud, Minn.
St. Joseph, Mo.
St. Louis, Mo.
Sioux City, Iowa
Salt Lake City, Utah
San Antonio, Tex.
San Francisco, Calif.
Sioux City, Iowa
Sioux Falls, S. D.
South Bend, Ind.
Spokane, Wash.
Springfield, Ill.
Springfield, Mo.
Terre Haute, Ind.
Toledo, Ohio
Topeka, Kan.
Watertown, S. D.
Wichita, Kan.
Winona, Minn.

In addition to these company branches more than 1500 dealers, in as many communities from one end of the country to the other, are ready to serve International owners.

Showing Model SL, the understking Speed Truck—safe and sure—ideal for many jobs

Specially built for speed—sturdily built for service

IF SPEEDY transportation is a factor in your business, and if you need it with dependable regularity and economy, then the International Speed Truck is the truck you want on your job.

It will render economical service for your business and exceptional service to your customers—it will speed up your deliveries and cut down your expenditures.

More than 6000 merchants in one line alone own International Speed Trucks. These and an army of others in practically every line of business use the Speed Truck for serving their customers, extending their fields and reducing costs.

Count on profitable hauling from the Speed Truck for your needs—you can! For over twenty years International Trucks have been delivering that kind of service. They are built to deliver it. The reputation of other products of the Harvester Company, extending over almost a hundred years, is a fair guarantee of what you may expect of International performance—and permanence.

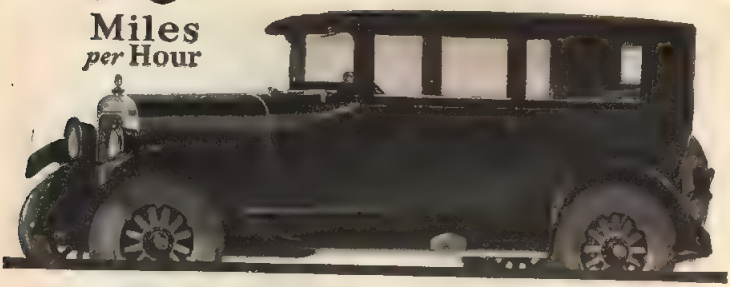
The Speed Truck is supplied with any type body and has a maximum capacity of 2000 pounds. The International line also includes Heavy-Duty Trucks, ranging from 3000 to 10,000 pounds, maximum capacities, and Motor Coaches for all requirements

INTERNATIONAL HARVESTER COMPANY
OF AMERICA
(INCORPORATED)
606 SO. MICHIGAN AVE. CHICAGO, ILL.

INTERNATIONAL TRUCKS

FOR LOW-COST HAULING

58 Miles per Hour



Ever since the new good Maxwell startled the country with performance heretofore associated only with far costlier automobiles, America's favor has been sweeping the Maxwell Club Sedan onward to an ever-growing preference.

In every section, the new good Maxwell is rapidly deepening and strengthening its place in public regard. This process continues as tens of thousands of car buyers realize more and more fully the strength, ruggedness and long-life of the new good Maxwell, and the luxurious comfort, beauty and utility of the Club Sedan.

The new good Maxwell Club Sedan, finished either in handsome cloth or genuine Spanish leather upholstery, with doors of extraordinary width and generous roominess for five adults, is the most distinctive car of its type on the market.

Such a combination of abilities and value is being produced only by the splendid Maxwell engineering and manufacturing organization working in the great Maxwell plants.

You will find every Maxwell dealer eager to prove the truth of these assertions. Be sure to see, and to ride in the Club Sedan.

5 to 25 Miles in 8 Seconds

25 Miles to the Gallon

Balloon tires, natural wood wheels, stop-light, transmission lock, Duco finish *standard* on all Maxwell models. Shrouded visor integral with roof; heater, standard on all closed models.

Touring Car, Roadster, Club Coupe, Club Sedan, Standard Four-Door Sedan—attractively priced from $885 to $1095. All prices f. o. b Detroit, tax extra.

There are Maxwell dealers and superior Maxwell service everywhere. All dealers are in position to extend the convenience of time-payments. Ask about Maxwell's attractive plan.

The New Good MAXWELL

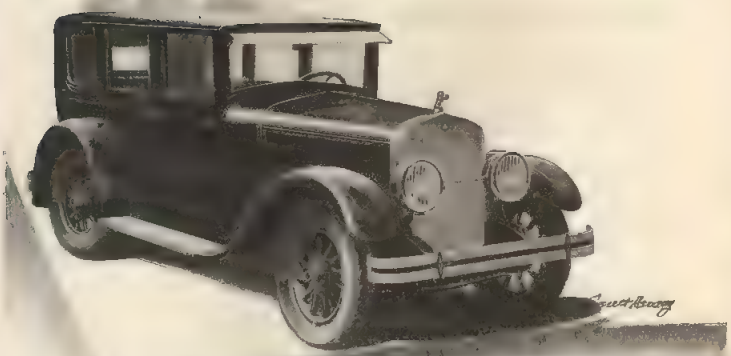
In Style, Performance, Value

A CAR FOR THE NEXT TEN YEARS

THE popular reception given the New Franklin is inspired by a style leadership and performance which will endure. Design fundamentals and detail are correct. There has been no compromise in quality. The result is a car which will be correct in style and actively in service ten years from now. Sales already point to it as the leading value in the fine car field. This longer, lower-slung, high-powered Franklin, with custom features, makes ownership a delight.

SEDAN · SPORT SEDAN · TOURING · SPORT RUNABOUT
COUPÉ · CABRIOLET · ENCLOSED-DRIVE LIMOUSINE

Franklin Series 11 is ready for the road, completely equipped with appropriate accessories, spare tire and cover—all included in the catalog price. Only tax and freight are extra.



THE NEW

FRANKLIN

FRANKLIN AUTOMOBILE COMPANY
SYRACUSE, N. Y.

A New Line *of*

Cadillac Cars

THE simplest, quickest way to convey to you an adequate conception of these new Cadillac cars—the most superlatively beautiful line that Cadillac has ever produced—is to record a practical and highly important fact.

Providing, by means of new engineering, a new standard of beauty, a new measure of ease and a new brilliancy of performance unequaled in Cadillac history—and true to all the fine Cadillac traditions

That fact is that in the development of these new cars, Cadillac has expended more than $2,500,000 in jigs, tools and dies alone for the *purpose of producing the finest Cadillac in history.*

All of the resources—engineering, purchasing and manufacturing—of both Cadillac and General Motors have been brought to bear upon this paramount object.

All of Cadillac's 23-year experience in manufacturing fine cars—the last 11 years with eight-cylinder cars exclusively—unites with Cadillac's latest engineering conceptions in producing this new creation.

We are certain that you will share our opinion that the new line of eight-cylinder Cadillac cars not only surpasses all others in every important essential, but goes far beyond Cadillac's previous best.

The new Cadillac cars will be shown beginning July 30 by Cadillac dealers everywhere.

CADILLAC MOTOR CAR COMPANY

Division of General Motors Corporation

Now — COACH $950

Greater Beauty! Finer Performance! Lower Price!

Not one -- But All Three

There isn't a dealer in America who will not find it *well worth while* to drop in on the nearest Oldsmobile dealer and inspect this newest Oldsmobile Six. If ever a car had money making possibilities—this is it!

Touring $875; Coach $950; Sedan $1025.
Prices f. o. b. Lansing, plus tax.

OLDS MOTOR WORKS, LANSING, MICHIGAN
OLDS MOTOR WORKS OF CANADA, LTD., OSHAWA, ONTARIO

OLDSMOBILE SIX

Product of General Motors

OLDSMOBILE SIX

How Well Do Literary Digest Readers Know Automobiles?

You ought to know them intimately—for most of the world's finest motor cars are advertised regularly in these pages.

And yet you must realize that you cannot know and appreciate a motor car by reading about it any more than you can take a vacation by reading travel advertisements.

That's why we urge you *to drive* this Oldsmobile! For an hour or a day behind its wheel will make you more genuinely enthusiastic than anything we could possibly say.

Certainly, until you drive this car, you simply cannot realize how close to perfection Oldsmobile and General Motors have brought this Model 30 during the year and a half it has been out.

Only quite recently a few major and many minor improvements have completely revolutionized the smooth-running performance of its L-Head engine.

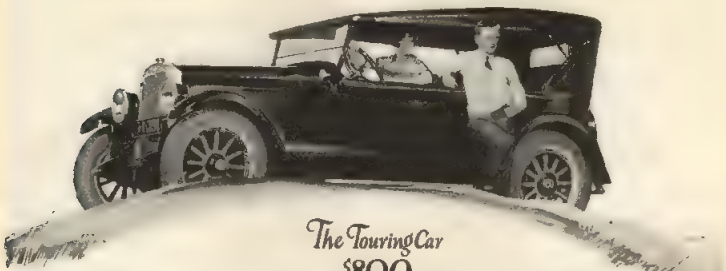
A greater length of life, with an added certainty of small maintenance expense, has been built into its chassis.

If you've seen, you have admired the beautiful lines of its Duco-finished body. Now won't you arrange with an Oldsmobile dealer *to drive* one of these cars yourself in actual comparison with any other car?

If you will—your next car will be an Oldsmobile. For *you*—as well as we—will then *know* that this latest Oldsmobile is just about the finest car in its class!

You can buy any Oldsmobile on General Motors' easy-payment plan. All prices f. o. b. Lansing, plus tax.

OLDS MOTOR WORKS, LANSING, MICH. - OLDS MOTOR WORKS OF CANADA, LTD., OSHAWA, ONT.



The Touring Car
$890

OLDSMOBILE SIX

PRODUCT OF GENERAL MOTORS

New Pierce-Arrow Custom-Built coach on series 80 chassis

Coach Body Now Available on Pierce-Arrow 80

A NEW closed body called the Custom-Built coach mounted on the series 80 chassis has been recently announced by the Pierce-Arrow Motor Car Co. The price of the new model is $3,150 or just slightly higher than the open models. The body is built in the Pierce-Arrow shops at Buffalo and is available in six color options. The doors are 36 inches wide and permit entrance and exit without need of folding up the tilting front seat. The rear seat is 56 inches wide with plenty of room for three passengers. Space between seats is 42 inches.

Royersford springs and curled hair are used for the cushions. Tailored across the bottom of each door is a strip of carpet to protect the upholstery from scuffing feet. Silk roller curtains, silk toggle grips, mahogany vanity and smoking cases, and a carpet covered foot rest are provided.

The framework of the custom-built coach is northern white ash. Laminated joints claimed to be 2½ times as strong as ordinary mortise type and tenon joints are used throughout the framework wherever twisting and weaving strains occur. Side plates are of hand-hammered aluminum. Doors are double braced and fitted with weather strips.

Hoo-Dye cushioned springs, four-wheel brakes and balloon tires are regular chassis equipment.

Davis adds new sedan

A sedan, listing at $200 more than the Davis phaeton, built on both the series 90 and Mountaineer series 91 chassis, has been announced by the George W. Davis Motor Car Co. The new sedan has three wide doors, giving easy access to both front and rear seats, and the interior of the car is exceptionally roomy. Characteristic dual-tone finish on Davis cars is optional on the new model in combinations of Algerian and Rolls-Royce blue or Brewster and Topango green without additional cost.

Four-Door Sedan

$820 f.o.b. Lansing Michigan

BODY BY HAYES-HUNT
Finish Dark Blue Lacquer

ANOTHER home on wheels—this is the purpose embodied in the Star Four-Door Sedan. Comfort, protection from the elements, yet with ample facilities for ventilation and broad sweep of refreshing breezes, is combined with year-round reliability, extra power and unusual economy. At its very low price and evident quality it is unsurpassed as a car for the average family.

Low-cost Transportation

Star Cars

Prices f. o. b. Lansing, Mich. *Touring, $540;* *Coupster, $625;* *Coupe, $715;* *2-door Sedan, $750;* *4-door Sedan, $820;* *Commercial Chassis, $445.*

DURANT MOTORS, INC., BROADWAY AT 57th STREET, NEW YORK

General Sales Department — 1819 Broadway, New York

Dealers and Service Stations throughout the United States and Canada

PLANTS: ELIZABETH, N. J. LANSING, MICH. OAKLAND, CAL. TORONTO, ONT.

25 Miles to the Gallon

Startling good news to tens of thousands—the first announcements of the new good Maxwell's amazing results. Never since the Chrysler took the country by storm has the automobile industry known such whole-hearted response—such a dramatic and decisive triumph.

58 Miles per Hour

5 to 25 Miles in 8 Seconds

Not content with designing into this car power and pick-up equaled only in the higher priced fields, Chrysler engineering genius and fine manufacturing facilities enable the new good Maxwell owner to enjoy these performance advantages with unparalleled economy.

In almost sensationally low cost of operation and maintenance—as in speed and acceleration—this great car has written a wholly new page in motor car achievement, and in the accomplishment of the great organization which builds the Maxwell.

Balloon tires, natural wood wheels, stop-light, transmission lock, Duco finish *standard* on all Maxwell models. Shrouded visor integral with roof; heater, standard on all closed models

Touring Car	$895	*Standard Four-Door Sedan*	$1095
Club Coupe	995	*Special Four-Door Sedan*	1245

All prices f. o. b. Detroit, tax extra

There are Maxwell dealers and superior Maxwell service everywhere. All dealers are in position to extend the convenience of time-payments. Ask about Maxwell's attractive plan.

The New Good MAXWELL

being 120 feet long, and capable of baking 6,000 loaves of perfect bread an hour," whereas "the ovens used before the war turned out about 200 loaves an hour." And then "changes in methods of selling and distribution have been forced into operation by the large wholesale production." As the editor of *The Bache Review* calls attention to facts gathered by the bank journal:

Large fleets of motor-trucks as auxiliaries to railway service have been brought into use to serve the widely extending sales territories, some of the latter covering a radius of 250 miles. Large capital is required to finance these developments. New machinery is expensive; some of the modern ovens cost $100,000. Capitalization of a wholesale bakery company is not uncommon at $1,000,000

The organ of the Minneapolis bank is then quoted directly as follows:

Within the last five years leading millers who popularize their flour through advertising have switched their appeal to a large extent from the housewife to the baker. The former will always use flour for the making of dishes which will continue to express her individuality and ability as a cook, but the time is rapidly passing when she spends long hours on the uncertain outcome of home bread-making

But, the bank paper says

The retail baker always will flourish, for he is indispensable, due to his output of "sweet goods" which, in any variety, are almost impossible of wholesale production and distribution. But for bread products and a few other articles which can be standardized and easily distributed, at least in districts of concentrated population, the wholesale baker is here to stay and to thrive. He has become a manufacturer. He can not, we believe, monopolize production of bakery goods, for the small baker, with his great variety and individuality of output, and distinctive merchandising methods, will retain his necessary field, and can at any time bake more bread, or less bread, or no bread at all, as he likes

NEW STATUS OF AN ANCIENT BANK

ONE of the oldest banks in Europe is the Banco di Santo Spirito, or Bank of the Holy Ghost in Rome. And, reports Basil Miles in a report from Paris to the International Chamber of Commerce with which he is connected, this very ancient institution, which originally was of a semi-ecclesiastical nature, has recently been transformed into a modern banking establishment. Says Mr. Miles.

Created by Papal Bull in 1606, it has recently been authorized to transact all kinds of banking operations with a capital of fifteen million lire. Originally, this bank made its profits by charging clients a fee for the safe custody of their funds, and the profits were turned over to the Pio Istituto di Santo Spirito, the oldest and most important philanthropical institution in Rome. The antiquated regulations governing the bank made competition with modern institutions impossible, so that about fifty years ago it ceased to do general banking business. Reorganization last year has turned the Bank of the Holy Ghost into a modern institution.

The Coca-Cola Company, Atlanta, Ga.

YOU'RE MISSING SOMETHING

It is sweet, but with a piquancy, a zest~As you get the full flavor, you sense bouquet ~It has the charm of purity.

Coca-Cola!

RE-FRESH YOURSELF! FIVE CENTS IS THE PRICE

THE LEXICOGRAPHER'S EASY CHAIR

To decide questions concerning the correct use of words for this column, the Funk & Wagnalls New Standard Dictionary is consulted as arbiter

Readers will please bear in mind that no notice will be taken of anonymous communications

bonify.—"F. C. E.," Beckley, W. Va.—Will you please define the verb *bonify* and state what word in the Spanish language expresses this idea?"

To bonify is "to make excellent or better; to ameliorate." See FUNK & WAGNALLS *New Standard Dictionary*, p. 308, col. 1. In Spanish "to make better" is expressed by the term *mejorar*.

enthused.—"H. J. B.," Los Angeles, Calif.—The word *enthused* is a colloquialism and is not recognized as such by the dictionaries.

everybody, every one.—"V. V. F.," Ironton, Ohio.—There is no difference in the meaning of *everybody* and *every one*. *Everybody*, written as a solid word, means "every person"; *every one*, written as two words, all persons considered distributively. Each of us. In a limited circle; people in general; or collectively. *Every one*, written as two words, means each individual out of the whole number; all persons distributively; everybody.

pantomime.—"A. B.," Hagerstown, Ind.—Has *pantomime* ever been in use, either correct or incorrect?

The correct form of the word cited is *pantomimus*, the word being derived through the French from the Greek *pant*, all, plus *mimos*, imitator. The form mentioned is a common error, especially with children.

post meridiam, post meridiem.—"H. M. C.," Chicago, Ill.—"Please explain the technical difference between *post meridian* and *post meridiem*. Is *P. M.* the correct abbreviation for the former or the latter?"

Compare the terms in any good dictionary. The first word is used as an adjective and as a noun. As a noun it means "the afternoon," but as an adjective it is used principally to distinguish the afternoon hours from the morning. *Post meridiem* is a Latin phrase meaning "after midday." *P. M.* or *p. m.* is the correct abbreviation for *post meridiem*, not for *post meridian*.

recurrence, reoccurrence.—R. S. O.," Chicago, Ill.—"The word *recurrence* means a periodical return," whereas the term *reoccurrence* may be taken as an indication of only one repetition. Both words are in good use and both are to be found in the *New Standard Dictionary*, *recurrence* in its vocabulary place and *reoccurrence* under the prefix *re-*, following a definition which indicates that it means 'occur again.'"

sort of.—"D. J. B.," Washington, D. C.—In the sentence submitted, "What *sort* of method . . . Will [illegible] of a method?" two "W at method" rather than the first or second [illegible] you must use *sort* there omit the a for the [illegible] that the word *sort* suggests a plurality of words, and therefore should not be followed by a singular. "What sort of method?" implies "of all the methods in use, what sort should one use?"

tell it to the marines.—"J. A.," Hillside, N. J.—The term "Tell it to the marines" is used as an expression of disbelief, referring to the supposed ignorance and credulity of marines as landsmen on shipboard. Brewer states that originally the phrase read "Tell that to the horse marines," a decision as there is no such force.

year.—"V. P. K.," Elvins, Mo.—"Please tell me whether the following uses of the word *year* are correct: (1) 'A two year old child. (2) 'Five year ago.' (3) 'A ten year lease.'"

Whenever a sentence violates the canons of accepted usage, it should be recast. (1) "A child two years old" is to be preferred to "a two-year-old child." (2) *Five years ago* is correct, and not "five year ago." (3) In "a ten-year lease" the compound *ten year* assumes the quality of an adjective as *two-year-old* does in the first sentence cited.

"L. K.," Selma, Ala.—"Is the question mark correct at the following sentence?—'If your Association will take care of more than the amount you indicated in your letter, will you kindly do me so that I can pass the word on to Sr. —— and Dr. ——?' for they will want the full sum returns by the close of this campaign period."

No. The interrogation point should be placed at the end of the sentence following the word *period*, instead of where it is, for the entire sentence is of the nature of an inquiry which needs an answer. Under no circumstances should the interrogation point be placed after the Doctor's name—there a comma should be used.

The Coca-Cola Company, Atlanta, Ga.

6,000,000 a Day

In fact, Coca-Cola has an average sale of more than six million drinks for every day in the year — It has the charm of purity.

RE-FRESH YOURSELF! FIVE CENTS IS THE PRICE

The Coca-Cola Company, Atlanta, Ga.

AT A COOL AND CHEERFUL PLACE

-You'll find a wonderful girl in a real American pose -at the soda fountain-When thirsty remember her.

RE-FRESH YOURSELF./ FIVE CENTS IS THE PRICE

BEASTS, BIRDS AND TREES

Continued

a lot of money to his owner. He died a short time ago. Other animals in the comedy class, and still living, are Charlie, the elephant, Pepper, the cat, and Freddie, the trained seal, who first jumped into prominence in "The Galloping Fish."

In the "Lost World" picture, a python, an alligator, a spider, a ring-tailed monkey and a South American sloth were required for special scenes in the jungle.

Earl Hudson, supervisor of the mammoth production, had to pay the owner of the python at a rate which would have aggregated $36,500 yearly. For the monkeys he had to pay at the annual rate of $14,600; for the alligator, the yearly stipend would have been $300 more than the monkeys' pay, while the sloth's yearly salary would have come to $15,000.

To catch some insects for one of the scenes, a man had to be sent on a journey of several hundred miles to find them, and last, but not least, he had to catch them.

These extras are quite apart from the regular animal colony of Hollywood, who command such big salaries for their owners. If the extras were permitted to work as much as the principal animal actors, their owners would have nothing to do any day in the year but sit back and live on the earnings of their pets, which may be anything from a flea up to an elephant.

HOW SOME INSECTS DIGEST A WOOD DIET

THE termites, or so-called "white ants," once regarded as peculiar to tropical or sub-tropical regions, are moving north, and we hear increasing complaints of their depredations upon furniture and books. In some countries they actually demolish houses, which collapse before their attacks, more slowly, but not less completely than before the fury of the tornado. These creatures, and many others "eat wood," but it has recently been proved that they do not digest it by their unaided efforts. Some wood-eating insects live, not on the wood itself, but on fungi that grow on and in it; others live on it only after it has been changed to glucose by the action of certain parasitic animalcules. Writing in *L'Echo de Paris* a contributor who signs himself "Onyx" gives the following account of the matter, which the work of an American biologist has lately contributed greatly to clearing up. We read

Wood as a food would hardly seem a very substantial diet, and it is a fact that woody fiber does not constitute an aliment, properly speaking. We often take in, notably with fruits, cellulose products chemically similar to wood, but they are rejected without assimilation. How does it happen, then, that so many insects live exclusively on wood?

There exists, to the great injury of our gardens, our furniture and our woodwork, a very large number of "xylophagous," or wood-eating, insects. These are largely coleoptera, but they include caterpillars and termites. Special mention should be made of the *vrillettes*, whose larvæ fill our furniture with the tiny tunnels so greatly

who goes to France with the impression that the tricolor is blue, white and red is due to be disillusioned. It is red, gray, and yellow, or will be by the time he succeeds in obtaining (with a quire of applications) the Red Card, the Gray Card and the Yellow Card, without which no motorist in France may so much as toot his horn.

Not only is it considered the mark of a criminal nature if one does not obtain all these "cartes" before setting the car marching, as they say. It is equally incriminating not to carry them on the person forever after.

"Your papers, please," is the first curt command of the gendarme if you make the mistake of letting a taxi-driver run into you, or if you turn by error into the autobus lane of the Champs Elysées, or if you suddenly catch up with some one in the mad rush of the Avenue de l'Opera. And if you haven't the required bale of licenses, identification cards, registrations, tax receipts, etc., to show him, back you go to the Ile de la Cité to learn something further about the Prefecture.

One way to avoid "this two weeks' course in French bureaucracy" is to hire a lawyer and leave all problems to him, we are told, but—

This is not only lazy, it is obscurantist, and for one particular reason. In no other way, neither in the French divorce mill nor in the peep shows of the Montmartre, is to be ascertained the hold of the *pourboire* on the French mind, soul and system. The best rule for halving the time, for cutting the fortnight to a week, is to double your contributions. Amazingly the wheels speed up all along the line in a way they have always sped. It is not exceptional. It is part of the system.

"Have you twenty francs, Monsieur?" asked my taxi-driver when we were told that M. le Président, himself, could not get signatures faster. That bearded taximan, old and wise in the system of *pourboire*, knew better. He knew that the way to the heart of routine is through the pocketbook.

With regard to the red Permis de Conduire, or driving license, the wheel grease and more official disbursements are well spent. The three—count 'em, THREE!—small photographs demanded are not wasted. For the driver's license, when one gets it, is good for life. The most expeditious way of obtaining it is to take one's American license, for the French permit is issued against the home-town card without test or finger-print. That, all investigators admit, is the only weak spot in a system that asks to know everything about the individual except the amount of his insurance premium and the size of his hat.

In case an international boundary has to be crossed, "this paper business holds further perils," and the writer tells us:

The wise motorist always crosses boundaries before he comes to them. This is done in the rooms of the Touring Club, in the Avenue de la Grande Armée, where duty deposits are made and triptyches issued. In no way can the duty deposit be dodged, but if one waits until reaching the border before unloading it, frontier-crossing becomes the most annoying pastime in Europe. But the triptyque is a motorist's passport, and it has been especially designed to make it difficult for customs inspectors to be as irritating as they would like to be

Comes along the day at last when one

The Raw Material of Power

TWO factories are operated by the manufacturer who supplies his own power. In one he makes the goods he sells. In the other—his boiler house—he manufactures *power* for his machines.

Hence coal is as much a raw material of the manufacturer as steel, sugar, silk, wood or rubber. It should measure up to definite standards.

So considered, Consolidation Clean Coal is the economical raw material of factory power.

For Consolidation Coal is free from visible impurities which will not burn. It delivers a full measure of power because it is clean and because of its high-heat value and low ash and sulphur content.

Consolidation Coal is Clean Coal

THE CONSOLIDATION COAL COMPANY
INCORPORATED
Munson Building—New York City

DETROIT, MICH. First Nat'l Bank Bldg.
PORTSMOUTH, N. H. 117 Market Street
BALTIMORE, MD. Continental Bldg.
BOSTON, MASS. State Mutual Bldg.
PHILADELPHIA, PA. Bankers Trust Bldg.
MILWAUKEE, WIS. 843 South Canal Street
WASHINGTON, D. C. Union Trust Bldg.
CHICAGO, ILL. Illinois Merchants Bank Bldg.
CINCINNATI, OHIO Union Central Bldg.
NORFOLK, VA. Nat'l Bank of Com. Bldg.
CLEVELAND, OHIO Rockefeller Bldg.

Foreign Offices { LONDON, ENGLAND Billiter Sq. Bldg.
GENOA, ITALY 10-Via Roma

Sales Agents { ST. PAUL, MINN. North Western Fuel Co., Merchants Nat'l Bank Bldg.
TORONTO, CANADA Empire Coal Company, Ltd., Royal Bank Bldg.
GREEN BAY, WIS. F. Hurlbut Company

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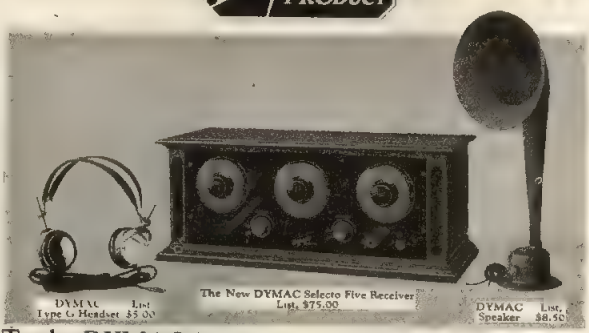
IT'S A Dymac PRODUCT



DYMAC List
Type G Headset $5.00

The New DYMAC Selecto Five Receiver
List, $75.00

DYMAC List,
Speaker $8.50

To the DYMAC Line of Guaranteed Radio Products

We Add The DYMAC Selecto Five

DYMAC
Type E Headset
Quality headset with an improved headband at a popular price. 2200 or 3000 ohms. List, $3.00

DYMAC Vernier Dial
Same as on DYMAC Selecto Five Receiver. Provision for both coarse and fine tuning 4" diameter; vernier ratio 12 to 1. Easily mounted on any condenser.
List $2.50

Other DYMAC Accessories and Parts
Loud Speaker Unit, $5, Audio Frequency Transformers, $2.50 to $4
Soldering Set (standard) $2.50
Sub-panel Socket, 75c
Jacks, 50c to 90c

A new, improved principle in set construction.

A receiver you can offer your customers with this assurance—that *it will out-perform any other set on the market under the same reception conditions.*

It is NOT an assembled set, but is made *exclusively* of DYMAC parts which already have a national reputation for quality construction, adaptability and dependable performance. Handsome mahogany cabinet, finished in walnut, with ebony panels.

The DYMAC Selecto Five is the outstanding sales opportunity in radio this season. Build the sale of the DYMAC Line around it—profit by the permanent good will already gained for the DYMAC name.

The buyer of a Selecto Five will want also a DYMAC Speaker. Wide range of volume, perfect modulation and crystal clarity. List, $8.50

Every set owner needs a tone-tested, lightweight DYMAC Type G Headset, for tuning distant stations. Unusual value for the price. List, $5.00.

ELECTRICAL PRODUCTS MFG. CO.

Providence, Rhode Island

New York Office: Metropolitan Tower

Export Office: Ad. Auriema, Inc., 116 Broad Street, New York City

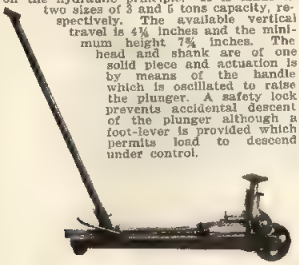
DYMAC Factory Sales Agents in Principal Distributing Centres

EVERY Dymac PRODUCT
GUARANTEED FOR ONE YEAR

Hird Hydraulic Auto Jack

Ideal Machinery Co., Seattle, Wash.

A HEAVY-DUTY type of garage jack operating on the hydraulic principle. It is made in two sizes of 3 and 5 tons capacity, respectively. The available vertical travel is 4¼ inches and the minimum height 7¾ inches. The head and shank are of one solid piece and actuation is by means of the handle which is oscillated to raise the plunger. A safety lock prevents accidental descent of the plunger although a foot-lever is provided which permits load to descend under control.



HSP Counter Boring Tool

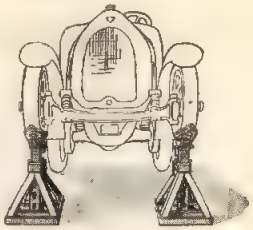
The Hellyer Steel Parts Co.
1511 West Pico St.
Los Angeles, Cal.

THIS tool enables the user to narrow down the valve seats in the engine by taking off a small cut of metal adjacent to the seat. It may also be used for enlarging the inlet or outlet ports and is equipped with adjustable cutting blades. It is manually operated and will handle a seat from 1¼ in. to about 2½ in. in diameter, a few turns of the tool being required to secure any desirable width reduction. Cutting edges are of high speed tool steel and are easily sharpened. Pilots to fit any valve guide are obtainable as are extra blades of various lengths.

Handelite

Mitchell Specialty Co.
3560 Coral St., Philadelphia, Pa.

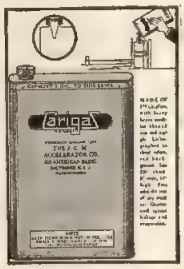
A PARKING light embodied in a door handle. As a door handle it has a smooth, comfortable grip and opens the door easily. As a parking light it throws a white light forward and a red light to the rear. The light is controlled by a dash, push-button switch. It is also made with a white light front and a greeen light to the rear, so that the green can be put on the right side of the car and the red on the left side. The price complete, including wiring switch and two candle power bulb, is $4.



S. O. S. Steel Stands

Goldwyn Mfg Co., Chicago, Ill.

ONE article of a line of car blocking devices which is adjustable vertically. The upright and center support are of malleable castings and the construction is such that the weight is carried on the center post, the base piece of which rests on the floor regardless of the height to which vertical is adjusted. Made in two sizes, one adjustable from 11 inches to 18 inches and the other from 18 to 32 inches. The smaller size lists at $2.50 and the larger, No. 18, at $3.50. Attachable metal shoes for installation on these stands are offered at $1.50 each.



Carigas Emergency Gasoline Tank

J. C. M. Accelerator Co.
813 American Building, Baltimore, Md.

THIS is an emergency under seat type of gasoline tank which has a capacity of one gallon. The tank is of 175 lb. plate, is 2½ in. thick, 8 in. wide and 12 in. high. It is featured by the brass machined filler cap and combination funnel for filling empty vacuum tank. Price, $1.25.

Starrett Special Hacksaw Frame

L. S. Starrett Co., Athol, Mass.

ANOTHER new Starrett tool designed to fill the requirements of a hand hacksaw in cramped quarters is the new frame illustrated herewith. The new frame will take any length blade from 8 to 12 inches and has a handle which may be adjusted to no less than thirteen positive locking positions, to suit particular working conditions. In addition, the saw may be set to cut in any one of four directions.

separate body processes: (1) Thorough mastication and mixing of saliva with both solids and liquids; (2) good digestion; (3) thorough assimilation, and (4) complete elimination of wastes and poisons. He proceeds:

When food, including liquids, is bolted and is shoved into the stomach with little or no saliva, the stomach makes a poor job of it, for it can not do its own work and that required of the teeth and mouth. After feeble efforts the stomach passes the buck, along with undigested foods, on to the small intestines. The latter fails in its attempt to handle its own job as well as that of both stomach and mouth. Instead of extracting nourishment from this food and passing on and out the wastes and poisons, these, in large measure, clog the intestines in ever-increasing volume and are later absorbed into the blood-stream and passed to every cell of the body.

These wastes and poisons form the real cause of nearly all disease. Like the anarchists, or "Reds," they bore from within. The blood-stream, instead of carrying to the teeth large volumes of calcium, saturates teeth and gums with these deadly enemies to health and life and actually leaches from the teeth the lime or calcium needed elsewhere in the body. Robbed of their substance and denied further building material, the teeth soon decay, gums become diseased, abscesses form, and there follow any and all combinations of diseases of teeth and mouth.

Dentists, tooth-brushes, dental creams, mouth washes were unknown to Eskimo, Indian and other peoples not burdened with our civilized habits, because they had perfect teeth. Yet we scrub and wash with brush and paste and continually pester the dentist in our blind efforts to save our fast-rotting teeth, while blandly ignoring the alarming and ever-increasing cause. "Crusty whole-wheat bread alone would wipe out half of our dental diseases," declares Dr. Friend, eminent London physician, after extensive experiments.

Teeth are built of calcium, or lime. This is found in milk, preferably unpasteurized fruits, raw vegetables, cooked vegetables with the essence, cottage cheese, nuts, whole-grain breads and cereals. Let these foods form the great bulk of your feeding, reducing to a minimum meats, starches and sweets while eliminating coffee and tea. I have known of many cases where all teeth have been lost between the ages of 15 and 20 because the foods named in the first group above had been avoided or little used from childhood.

The plans and specifications for modern buildings require exact amounts of concrete, steel, etc. Reduce the proportions of concrete or steel and the building soon collapses. Nature's plans and specifications for building and maintaining the teeth demand just so much lime. To the extent that the required amount is short, just to that extent will the teeth decay and collapse.

Many a business deal is lost because of indigestion disorganizing the physical and mental works, many a social occasion marred by stomach pains and gases and other body ills; many a family and friendship wrecked—all because of that common and vulgar habit of fast eating and no chewing, together with our utter lack of interest and intelligence in the selection and preparation of the foods necessary to insure physical health, mental balance and a genial personality.

"See America First"

Strange things can happen when one hundred and twenty pounds of girl meet thirty hungry compact pounds of trout. Though you never have fished in your life before, luck (but the most expert angler would envy), will reward you here.

Fishing to talk about for a lifetime—

Glacier
NATIONAL PARK

Open June 15 to September 15

Fishing is only part of the fun at Glacier National Park. Climb up to mile high cliffs. Ride horseback over miles of mountain trails. Explore glaciers. Motor over scenic highways. Glide in launches on the lakes. Or just loaf and rest at fine hotels or rustic chalets.

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Via the New Oriental Limited

Eastbound from the Pacific Northwest, or westbound from Chicago, you can travel direct to Glacier National Park without change and without extra fare on the de luxe New Oriental Limited, finest train to Pacific Northwest or other fine Great Northern trains.

Arrange for Glacier Park stop off—an all-expense-paid tour of 1 to 7 days or longer—or a Glacier-Yellowstone circuit tour, on your way to or from Chicago, Spokane, Seattle, Tacoma or Portland.

Before or after visiting Glacier Park, take the free side trip to Vancouver. See Victoria, Lake Chelan, Rainier and Crater Lake National Parks. Great Northern schedules facilitate steamer connections for Alaska and The Orient. Your choice of steamer or rail to or from California. You see high peaks from low passes on the Great Northern—only 60 miles of the entire main line are above 4,000 feet. Longest cinderless mileage of any railroad in the Northwest—1,100 miles behind giant oil-burning locomotives.

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GREAT NORTHERN
Route of the New Oriental Limited

Finest Train to Pacific Northwest—No Extra Fare

GULBRANSEN
The *Registering* Piano

Pronounced GUL-BRAN-sen

One of the pretty home weddings of the week was that of Miss Eleanor [illegible] daughter of Mr and Mrs. Edward L. Sears to Stevens officiated Warren L. The Rev [illegible] and the Sears residence was [illegible] tastefully decorated throughout [illegible] entrance of Miss Sears on the arm of her father was signalized by the Bridal Chorus from Lohengrin played by Miss Alma Eastwood on the Gulbransen Registering Piano. Mrs. Sears at wedding gift of Mr. and Mrs. Sears to the bride. (News item.)

Their Wedding Gift . . . a Gulbransen Registering Piano!

How thoughtful those who give . . . How fortunate the happy couple who receive . . . For twice-blessed indeed is the home in which the Gulbransen is appointed to provide the music!

The best in piano-music . . . easily played . . . No tiresome fingering No years of study . . . No long practice . .

Music of your own choosing . . . as much of it as you want . . . whenever you want it . . and personally played, as you would have it played, with your own expression and feeling

Other forms of musical entertainment are short-lived. Other possessions pall and pass. But your enjoyment of the Gulbransen is uninterrupted, permanent. It knows neither time nor season . .

. . . the Gulbransen you give or own today is good for a life-time of usefulness. And more. It can be handed down as a heritage to the children . . The first Gulbransens made are still in good playing condition!

Have you seen the latest piano-achievement—the Gulbransen Registering Grand? A full-size Grand Piano, five feet four inches, playable by music-roll and pedals or by hand An artistic, quality product. Only $1275. Your Gulbransen dealer is now showing it. Also made in a Grand Piano playable only by hand. $785.

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Gulbransen cash prices branded on the back. Also sold on convenient payment plans.

FOUR FAMOUS MODELS—

Community	Suburban	Country Seat	White House
$450	$530	$615	$700

Registering Grand $1275
Straight Grand $785

Send for this beautiful painting. Frame it.

The picture you see on this page was painted especially for us by a nationally known artist, at a cost of several hundred dollars. For complimentary distribution among music-lovers we have had a limited number of special reproductions made, in color, 10½ x 16½ in. size, direct from the original. Send for one of these. You will want to frame it. The reproductions bear no advertising whatever. Requests will be cared for only in the order of their arrival until the supply is exhausted. To make sure of yours, it is necessary that you write promptly. No obligation. Use the coupon.

* Ears to Play

GULBRANSEN COMPANY
3230 West Chicago Ave
Chicago, Illinois

I would like a complimentary copy of your June painting, in color, suitable for framing.

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State _____

Every piano should be tuned at least twice a year. Is yours?

Without entering into the simple, yet slightly complicated, calculation necessary to give the comparative energy of the water-motion in causing rotation, it is evident from the above quotation that this energy is very small in the slow-moving water in an ordinary wash-basin, which contains about two quarts (four pounds) of water. The slightest inequality in the shape of the basin, or of the movement of the hand in withdrawing the stopper, or of the construction of the cross-pieces or of the centering of the drainpipe will almost certainly introduce effective factors.

Whether trees in actual fact do always and with no exceptions whatever twist in a counter-clockwise direction in the Northern Hemisphere is a point of a good deal of interest, and on which those who live in forested districts should be able to give exact information.

"Those who live in forested districts" will doubtless be able to assure Mr. Bond that "twisted trees" of both kinds often occur impartially a few feet apart in the same "neck of the woods."

ELECTRICITY AS A LIFE-SAVER

TWENTY years ago few suspected that electricity would some day be a great direct factor in conserving life and health. However, thinks an editorial writer in *The Electrical World* (New York), that day has dawned with rosy promise. Civilization, he says, has ever been a process of replacing a natural environment by an artificial one, and it may be measured by the degree of this replacement as well as in any other way. We read further.

Man is biologically a creature of sunlight, and it begins to appear as if his indoor life has robbed him of some of the vitalizing action of solar radiation. If this be true, civilized human beings are bound to pay the penalty of lowered vitality, poorer health and shorter life. Much research is still necessary before the complete relation of the many cells and processes in the human body to various radiations can be laid bare. Many interesting facts, however, are already available. For example, rickets is proved to be due, in part at least, to lack of sunlight. Electric sources of ultra-violet radiation, such as the quartz mercury arc, are already doing much as a substitute for sunlight in the prevention and cure of rickety bones. Ultra-violet and other radiation also favorably influence many reactions in the body processes upon which life depends. X-rays are used to-day as much for treating disease as they are in their earlier applications of photography and fluoroscopy. The germicidal action of certain ultra-violet radiations is now well known and utilized. Many other applications of radiation are being studied or anticipated by research.

All these sources of radiation which are already being used for preserving and restoring health and thereby conserving human life are electrical and man-made ones with the exception of radium. Even to those who think in terms of kilowatt-hours the total present consumption of electrical energy by incandescent filament lamps, X-ray tubes, quartz mercury arcs and other arcs, in sterilization and in the many phases of radiation-therapy, would doubtless be surprisingly large. It is still more fascinating to note the promise of the future.

Why the KIMBALL *has won Fame*

THE approval of the Kimball has not been confined to a single group, nor to a limited area, nor to a short span of years. Artists of voice, of violin, of piano, have bestowed their highest praise; and teachers, students, schools, are among its devoted admirers. In homes from far north Alaska to tropical climes the Kimball is a cherished possession.

George Liebling, internationally famous pianist and composer, has recently added his name to the list of celebrated artists who enthusiastically praise the Kimball. For his tour of 1925-26 Mr. Liebling will use Kimball Pianos exclusively.

There is a Kimball of unquestioned excellence suited to your home

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Cut down your cost of cooking by using ordinary kerosene. With an oil stove equipped with the patented Kerogas Burner, you get the same advantages you have in a gas range—but you spend less for fuel.

The Kerogas Burner uses only one part kerosene to 400 parts air—so you see how little it costs; and the steady Kerogas flame is always under perfect control. None wasted.

Don't buy an oil stove until you see the Kerogas *Genuine One-Piece Brass* Burner. Many of the best makes of stoves are equipped with it, and leading dealers carry them. Insist on a demonstration.

The KEROGAS Oven for Baking and Roasting
is a fitting companion for the Kerogas Burner. As reliable as any range oven, ever made, and as durable. Gives sure uniform results because its temperature can be regulated perfectly by burner or beneath.

The Giant Kerogas Burner

Every "Giant Kerogas Oil Stove" equipped with "regular" Kerogas Burners also has one of the new Patented Giant Kerogas Burners. This "Giant" is capable of the most intense heat—when you need it quickly—but is easily regulated for ordinary use. You can get the new Heavy Duty Giant Kerogas Oil Cook Stoves equipped entirely with Giant Burners. Models equipped only with "regular" Kerogas Burners are also available.

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Manufactured by
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DEALER'S NOTE: The best jobbers are prepared to supply oil stoves equipped with Kerogas Burners.

It Protects

To prevent cracking in alternate extremes of heat and cold, PAINT as well as gloss must allow for ample expansion and contraction.

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IT COVERS
more square feet per gallon and more thoroughly hides the surface, due to finer grinding of materials, a higher percentage of pure linseed oil, and *LUCAS* superior methods of combining all ingredients into one perfectly finished product.

IT BEAUTIFIES
and its beauty lasts because of its high gloss and clear, perfect shades, made with pure tinting colors of *Lucas'* own manufacture, possessing maximum permanency.

IT LASTS
longer because it is made of highest grade materials, carefully selected, scientifically combined by skilled workers of long experience.

IT PROTECTS
positively because its smooth, glossy surface is resistant to weather. Its elasticity prevents checking or cracking during temperature changes, consequently preventing moisture, the cause of decay, from getting to the underlying surface.

IT IS ECONOMICAL
Its GREATER COVERING CAPACITY reduces the cost of application.
Its GREATER LASTING QUALITY decreases the cost per year of protection.
Its GREATER PROTECTION saves costly repairs.
Its GREATER BEAUTY increases the value of your property, reflects prosperity and radiates happiness.

Ask the nearest Lucas dealer—or write us—regarding the Easy Payment Plan for preserving your property.

BOOK ON HOME DECORATION—*FREE*

Send to us for "The Book of Happiness" which gives artistic and scientific color combinations—interior and exterior. Written by a noted psychologist. Explains color reactions on human happiness. Very interesting. Get your copy now.

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Lucas
Tinted Gloss Paint

501

THE SPICE OF LIFE

Fearfully and Wonderfully Made. He has a curiously quadrilateral head, seemingly too large for his body, which is based solidly on a mighty jaw.—*From an article on Senator Borah in the Boston Herald.*

And So On Indefinitely.—"What is the modern girl coming to?" commented Mrs. Oldwed.

"Slowly, but surely," replied Mr. Oldwed, "to that period of life when she will ask that very same question."—*Judge.*

His Great Misfortune.—"Poor ole Bill! 'E's so short-sighted 'e's working 'imself to death."

"Wot's 'is short sight got to do with it?"

"Well, 'e can't see when the boss ain't looking, so 'e 'as to keep on shoveling all the time."—*Humorist (London).*

Caustic, Very. She insisted hotly that, as plenty of room was left, a new frock she must have. And he, with equal warmth declined to produce the cash.

"I never speak to you again!" she snorted angrily.

"How like a woman!" he sighed. "When everything else fails, you try bribery."—*World's Pictorial News.*

Dogless.—"Mose, can you explain wireless telegraphy to me?"

"Yessuh, it's like dis. Ef you-all had a long, long hound dawg, an' he stretched from Cincinnaty to Cleveland, and you stept on his tail in Cincinnaty, he would howl in Cleveland. Dat am telegraphy. Only in wishless you does de same thing without de dawg."—*Columbus Dispatch.*

Doing His Bit.—During the recent Prohibition plebiscite in Ontario, a prominent Ottawa man, who is an ardent prohibitionist, was surprized by a visit at his office of his small bare-legged son.

"Hullo, young man," the father said. "What brought you to town?"

"I was in a parade," the little boy said proudly.

"What parade?" asked the father.

"I don't know," he answered, "but I carried a big sign."

"What was on the sign?" asked the man curiously, and almost collapsed as his son replied:

"MY FATHER'S A DRUNKARD! I've got no shoes!"—*Everybody's.*

True Sensibility

("A Russian woman would be quite offended if a man opened a door for her.")

The Bolshevist lady is not less refined
Than Victorian misses, but more.
They shrank if a man might be under the bed,
She shrieks if he opens the door.

Though shirt-sleeves might shock them, the Bolshevist maid
Is far more fastidious than that.
They frowned at a man if he took off his coat,
She faints when he takes off his hat.

She blushes at anything all the day long,
Which is why it is commonly said
That while other young ladies are normally pink,
She is now irretrievably Red.

—*G. K.'s Weekly (London).*

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Resonant Wood Insures Natural Tone Quality

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A SERIES of receivers designed to provide powers of radio reception equal to the capacities of Music Master Reproducer.

The Musical Instrument of Radio—there IS no substitute.

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TYPE 300

Five Tubes. New circuit. Connect with standard bell or cabinet type MUSIC MASTER Reproducer or with specially designed art model reproducer illustrated. Great selectivity, extraordinary volume, wonderful tone quality. Solid mahogany cabinet, beautifully ornamented, brown mahogany art satin finish. Price..... **$300**

Music Master Reproducer Model XII. Drum Type. Specially designed art model illustrated. Price ... **$35**

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Prices of all Models Slightly Higher in Canada

AT LAST—radio reception incorporating the demonstrated results of latest radio research, and combining in one superb radio ensemble the proved principles of Music Master Radio Reproduction.

Audition will prove Music Master's outstanding powers of long range, high selectivity, clarity, volume and, above all, supreme Tone Quality based on MUSIC MASTER REPRODUCER as a vital element of the ensemble.

Merchants of standing desirous of profiting by Music Master prestige and reputation are invited to communicate with Music Master Corporation.

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Music Master
RADIO PRODUCTS

remain indefinitely in their present niches in the automotive Hall of Fame.

It is certain, however, that there has been considerable shifting about in the relative standings, with some companies near the top last year, dropping down a few pegs and being replaced by others which were further down.

Analyzing the list of companies in production to-day we find 24 lines made by 16 companies which give every indication of being able to remain in the field permanently, unless they are voluntarily discontinued by their makers. This includes four small concerns which have been in business many years, but whose combined output is insignificant.

There are 22 others which almost certainly will be in the market for two or three years yet, and probably longer.

There remain only eleven others which really are in production at this time. Five of these, all in good financial condition, may be continued indefinitely, but it is more probable their makers will discontinue them voluntarily in the relatively near future for one reason or another. The remaining six are not strong financially and, altho they may be continued for some time, their ultimate demise will be involuntary.

Vain Self-Denial.—A bishop was eating dinner with his host before the afternoon service at which he was to speak. He ate little or nothing, explaining that it was not good for a preacher to eat heavily before a sermon. The housewife could not attend the service, as she had to stay at home and prepare supper. When her husband came home, she said, "Well, how was he?" The husband, drawing a sigh, replied, "He might just as well of 'et."—*Christian-Evangelist.*

Pity the Blind! The benevolent old lady was about to drop her usual coin in the hat of the blind beggar at the corner. "You don't seem to be the same man who sits here always," she remarked. "No, lady, he's my brother." "I hope your brother is not ill," she went on.

"Oh, no, mum," was the unexpected answer. "He's taken an afternoon off an' gone to the movies." *Boston Transcript.*

Awaiting Orders.—The station master on the East Indian Railway had been given strict orders not to do anything out of the ordinary without authority from the superintendent. This accounts for him sending the following telegram:

"Superintendent's Office, Calcutta. Tiger on platform eating conductor. Please wire instructions."—*Jewelers' Circular.*

Sticking to His Story.—"Where have you been until this hour"

"To the lecture, dear."

"But people don't lecture until two o'clock in the morning!"

"This one did, dear—he stuttered very badly." *London Mail.*

Here It Is Again!—"Reginald," said the Sunday-school teacher, during a lesson on the baptismal covenant, "can you tell me the two things necessary to baptism?"

"Yes, ma'am," said Reginald. "Water and a baby."—*Everybody's Magazine.*

Largest and Fastest Ships to California

HAVANA-PANAMA CANAL

A 15-day cruise through two oceans on a magnificent liner.

Your choice of rail routes across the Continent.

ONE WAY WATER - ONE WAY RAIL

No monotony in this remarkable vacation opportunity. Happy, refreshing days on a great ship, sightseeing in Havana, by daylight through the Panama Canal, up the West Coast stopping at San Diego, Los Angeles and San Francisco. Across the Continent with authorized stop-overs at points of interest.

Round Trip $335 from your home town [on main line points] and back, in either direction.

Rate includes First Cabin passage, meals and berth on steamer, either Eastbound or Westbound, and ticket across Continent in either direction over choice of routes.

2nd Cabin **$245** Intermediate **$320** 3rd Cabin **$190**

Round Trip by Water First Cabin **$425**

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This New Ideal Mower Sets New Economy Records

NEW mechanical features that make operation still easier, mowing still faster and durability even greater are found in this *new* model Ideal. It is the old, reliable Ideal that has been the leader for ten years, but with new features that make it still better.

It does the work of five men with hand mowers, rolls the sod evenly as it mows, and reduces mowing costs to a mere fraction of the cost with hand mowers. It is a labor saver and a lawn builder, but more important than ever it is a mower that will last for many years and one that anybody can operate.

Ask our nearest dealer, or write for interesting literature

Ideal Power Lawn Mower Company

R. E. Olds, Chairman

420 Kalamazoo Street, Lansing, Michigan

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Dealers in all Principal Cities

IDEAL Power Lawn Mowers

C280

gone out fishing, a woman of a party camped near us came over to visit with me. Immediately she mentioned our breakfast. She said it had made her mouth water, that her husband had planned their trip and bought the supplies to be brought along. He had got plenty of ham and bacon and eggs, and caught quite a few trout. The result was they had bacon and eggs and ham and ham and eggs and bacon. The food was always heavy and greasy, and her stomach was on the verge of revolt. That apple-sauce of mine—

I gave her some, and she went away grateful.

Another instance. A few summers ago we took the wonderful trip down the Pacific coast to Mexico. We were on a ferry that was in operation across a lake while the road around was being repaired. A woman came over to me, and she looked like a last year's bird's nest. I didn't know whether she was the right kind to visit with or not. She saw my hesitancy, and smiled without mirth.

She said: "You look spick and span now, but wait till you've been on the road as long as I have, and then you'll know why I look this way."

That was our fifth week out, so I asked her how long she had been on the road.

"Six days to-day!" she answered triumphantly, as if asking me whether that didn't explain everything.

Poor soul, she simply didn't know how a woman ought to dress for a long trip on the road. So I am writing this article that women may get some information from one who has been there.

First, I want to tell you the most comfortable way to dress. I have tried the heavy khaki skirt, but save that it stands much wear and doesn't show the dirt, it is open to the usual objections to skirts. It binds when you are jumping a stream or from rock to rock; it catches on fences or twigs, and is inevitably mussy.

I have tried the regular breeches. In some ways I think they look prettier than anything else. But they have one drawback that, for me, was too much: they bind your knees. When you are stooping over at the fire, or even seated in the car, this binding and pinching is likely to go on; and in the course of weeks it rubs and irritates too much.

The ideal outfit is as follows: A pair of tweed or wool khaki knickers, a wool khaki middy, tweed hat, sweater (a jacket or coat gets wrinkled or mussed when you do not have it on), wool stockings and high, heavy oiled shoes. Fourteen inches is high enough for the shoes, and there is not so much to lace as in the sixteen-inch kind. Twelve will do. But these high, heavy oiled shoes are great; when it rains your feet won't get wet, the dust doesn't get to your feet, because of the high bellows tongue, you are not afraid of mud or snakes, and you have an ideal shoe for hiking.

I take in addition to the above two pongee blouses for hot weather, a change of underwear and stockings, and if we are going to spend much time in cities, one black silk dress, pumps and hose to match. All of which take up very little space.

I wouldn't go touring at all if I could not have a good, clean bed at night. The majority of the camp grounds (as I know them in the Far West are a sea of dust, and getting down in it to sleep has never appealed to me.

I have slept (or tried to) on the ground, and every time a leaf moved my flesh crawled. I thought surely a snake was coming in for a nice cold visit. The first four years of our camping we had a steel

This Vacation Travel and *see*

California

HAVANA PANAMA CANAL

Glorious days at sea. Gay hours in colorful Havana. Through the Panama Canal by daylight, and stops at interesting San Diego, Los Angeles, San Francisco. Then home by rail across the continent. No more thrilling vacation—choose it this summer!

Round Trip $335

From your home town (on main line points) and back, in either direction

Rate includes first class ticket, meals and berth on Panama Pacific liner, New York to Havana, Panama Canal, San Diego, Los Angeles, San Francisco, and railroad ticket back home over choice of routes, with stop-over privileges.

Second cabin . $245 *Intermediate* . $220
Third cabin . . $190

Round Trip by Water $425

Second cabin . $260 *Intermediate* . $210
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Rates effective from May 15 to October 31.
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INTERNATIONAL MERCANTILE MARINE COMPANY

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ONE WAY WATER

A 15-day cruise through two oceans on a magnificent ocean liner.

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Your choice of route home across the continent from San Francisco.

A Mower That Does Three Things at One Time

HERE is what an Ideal Power Lawn Mower will do for you. First, it will mow your lawn at a small fraction of the usual cost, for it enables one man to do the work of five with hand mowers. Second, it rolls as it cuts, leveling the sod to velvety smoothness and saving the cost of separate rolling. Third, it does much to halt the activity of worms, insects and other pests. Ideal mowers are simple, sturdy and last for years. More are in use today than all other makes combined. Any unskilled man can operate them. Write for literature telling how you can save from two-thirds to four-fifths of the money you spend on your lawn.

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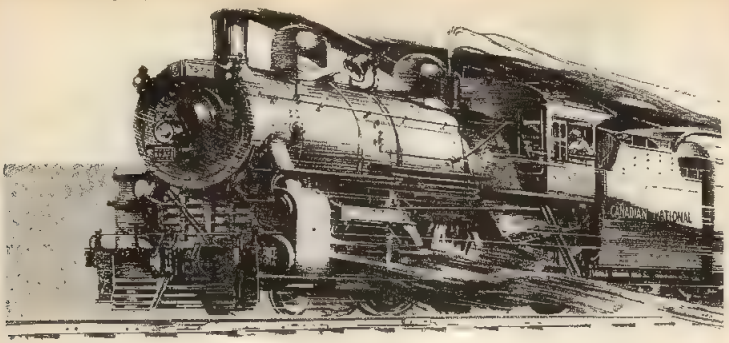
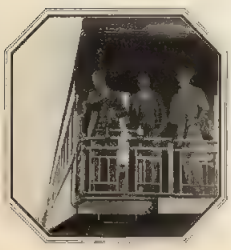
Equipped with "Bulldog" cutting units



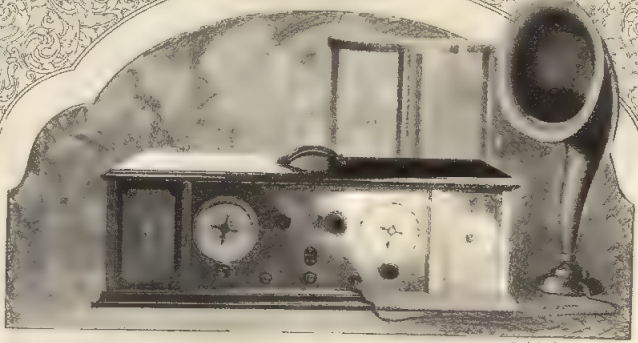
The Prince of Wales Special on the Canadian National Railway

It is interesting to know that the famous special train prepared for the Prince of Wales' trip across Canada's Wonder-land was finished throughout with Sherwin-Williams paints, varnishes and enamels.

Great interest attaches to the Prince of Wales' trip, not alone because of himself, but because of that army of travelers who enjoy, no less than he, the beautifully finished traveling equipment which carries them through a notable section of the American continent.



For who does not look forward to the famous wonders of the Triangle Tour—to its snow capped peaks and mighty rivers—its mystic Skeena—its 600 miles through sheltered seas of the "Inside Passage"—its stupendous canyons and towering Mt. Robson—its Jasper National Park in Alpine Canada!



Radiola Super-Heterodyne

Leadership in Radio

Radiola Super VIII—
the famous Super Heterodyne in a stately cabinet with a fine loudspeaker built in. It is complete as it stands—needs no connections to anything. Brings in distance at the turn of the knob. Its fame is not only for its big performance but for its simplicity and its *tone quality*

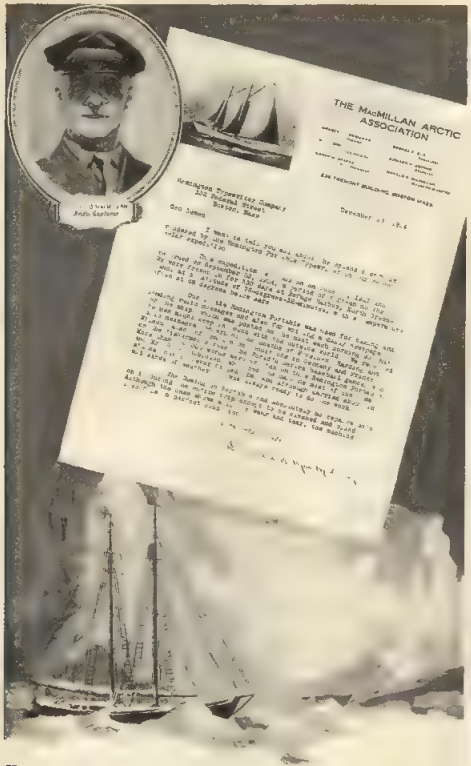
The nation looks to the Radio Corporation of America not only for the production of ever better Radiolas and the development of Radiotrons; not only for advances in international radio telegraphy and country-wide radio broadcasting; but for an honesty of statement that shall pierce the fog of radio claims and counter-claims with conservative promise and confidence-building performance.

Radio Corporation of America

233 Broadway, New York — 10 So. La Salle Street, Chicago, Ill. — 28 Geary Street, San Francisco, Cal.

Radiola

PRODUCED ONLY BY RCA



ENTHUSIASTIC owners are constantly paying tribute to the unusual ruggedness and reliability of the Remington Portable.

This little machine possesses every feature common to the big office typewriters. No wonder that it is the recognized leader, in sales and popularity.

You need a Remington Portable, and every home needs one. Write today for our illustrated "For You, For Everybody." Address Dept. 62.

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Remington Portable

PERSONAL GLIMPSES
Continued

extensively and lived for some period in the south of Spain. The monuments and symbols of their lost glory, which are evident everywhere, especially in Granada, have stirred up in these men a nostalgia at once noble and dangerous. And Abd-el-Krim makes the most of this feeling, communicating it to all that can be reached through the agency of the "sentones"—the so-called high priests, who exercise a powerful hold on the ordinary Arab.

Abd-el-Krim, for some time past, has styled himself president of the Riff Republic. He even has a cabinet. His ambition is to unite, under a species of sovereignty, all the tribes and peoples of his own race.

The present situation in Morocco is of extreme importance, thinks Mr. de Meneses who assumes that France—

Is waiting for all the inhabitants in Morocco to turn against it, before admitting that the situation is really alarming. And such an uprising is not at all unlikely in the near future. History is full of examples. It will be remembered that Napoleon, with a formidable army, was routed in Spain by a handful of men (1808), who fought much in the same manner that the Riffians are now contending with the French.

The insurrection of the Boers against the British is another instance that may be cited, as also the uprising in India (Punjab) etc. Nowadays the possession of distant colonies is a very expensive luxury, even for rich and powerful nations. The level of culture in these colonies is at a point where the man-in-the-street is a politically-conscious creature and not at all ignorant of the history of his own country as well as of those that are fighting to dominate it. From these colonies come men like Abd-el-Krim, who resorts and study in the country of their masters and return to impart among their compatriots the knowledge they acquired. And this knowledge, derived from their rulers, becomes a weapon in the hands of the "scholars" turned against the masters. It will avail France little, therefore, simply to put down the uprising (even if it can do so) unless the propaganda spread by Abd-el-Krim and his followers is somehow counteracted. A defeat at arms means nothing to the Arabs. In a month they will be back, fighting with greater spirit than ever.

Meanwhile,

It must not be forgotten that if the Moors do not fight in larger numbers, it is not because of a lack of men but rather because of a lack of arms. Fighting in small numbers overcomes, in a measure, this deficiency. When a Moor fights, he is brave; or rather, he forgets fear. The Moor that sees his companion fall does not run away; he takes his place. Abd-el-Krim's characteristic fighting tactics is to withdraw or retreat while the enemy advances; but at the first halt of the latter to start sniping, at which the Arabs are expert. And it is very difficult to shoot them down, as they never fight in large groups, but in isolated bevies, which are continually on the move; whereas, the French and Spanish troops, moving in concentrated masses, form an easy target.

The Arab warrior on horse is extraordinary. The agile mounts ride full tilt

PERSONAL GLIMPSES
Continued

conclusions." When they did so, they were generally impressed.

When he had a spectacular bit of evidence he did not conceal it behind some incognito, but brought the person who had imparted it to the witness chair and had the story told all over again. Whenever public interest appeared to be waning, other startling figures were brought to the witness chair, sometimes without a word in advance to let the public know what was in store for its entertainment.

When Mr. Buckner announced his intention of proceeding against liquor-law violators by the injunction and padlock method, and named fourteen well-known places where lawyer friends had obtained evidence, all sorts and conditions of men and women, connected with all sorts of publications, descended upon him. The propositions made to him ranged all the way from writing a few columns for publication, under or over his signature, to submitting to an interview and a cartoonist at the same time.

As an instance of Mr Buckner's publicity methods, the *Times* reporter presents this "sample" of the daily interviews which the new District Attorney gives to the reporters.

Seven reporters enter the outer office. Word comes instantly to admit them. They file into the big room, where Mr. Buckner is found sitting at a big square desk littered with papers. Opposite him sits Robert E. Manley, his confidential assistant. About the desk are a number of easy chairs. Mr. Buckner smilingly indicates them and says, "Be seated, gentlemen." Then he asks, "What is on your minds to-day?" "What is on yours?" he is asked. He grins. "Looks like it's going to be pretty dull to-day."

Then it develops that the Collector of the Port has called to learn what is to be done with all the rum-running vessels which have been libeled and what would happen to the large quantities of seized liquor in storage. Mr. Buckner explains that all such cases will be transferred from the Admiralty Court to the padlock court and that it is as simple a matter to padlock a ship as to padlock a saloon. The reporters all ask questions and Mr. Buckner listens, and replies with information on every conceivable detail of the question.

A feature of these talks is that there are no criticisms of any man's work, no odious comparisons.

At one conference a reporter, who had been worrying his brain over what Mr. Buckner was trying to achieve by all his activity against rum violators, came to the conclusion that what he was after was a nomination for Governor or Mayor. So he began to question Mr. Buckner about his political connection, starting with the fact that Elihu Root is his friend, and as the questions ran along Mr. Buckner's face wore a more and more puzzled expression. Finally another reporter elucidated:

"What the gentleman desires to know is whether the things you are doing now in Prohibition matters are being done for the sole purpose of procuring future political preferment."

Mr. Buckner leaned back in his chair and laughed heartily.

"Why, no," he replied. "I expect to serve out my term of office and then go back to private law practise. That is my program now and I am not likely to change it."

Mr Buckner is an easy man to get along with because the way he is heading is plain. Asked what his opinion was about the manner the Prohibition law had been enforced, he replied.

"It has been a farce and full of bunk I intend to de-bunk it."

When the Prohibition phase of Mr Buckner's work has become too much of a commonplace to figure prominently in the day's news, interesting stories will arise, stories about mail-fraud cases, counterfeiting, with attacks here and there on spectacular offenders, and Mr. Buckner's skilful hand will cast these forth with such frills as they never had before. Take the case of Jacob Busch, which appeared on the surface as only an ordinary attempt to defraud the Government out of income taxes. A reporter smelled this out, but when he searched for details he had to go to Mr. Buckner for them. When the story appeared it owed to Mr Buckner's nose for news the interesting detail of a secret bank account accidentally discovered by a revenue agent, with all of the attendant details that marked the story as one altogether out of the ordinary. One reporter remarked:

"If Buckner wasn't earning $10,000 a year in the government service he would be earning more with some good newspaper. What a cracker-jack reporter he would make."

But Mr Buckner has earned more than he could have hoped to gain in any other profession. He is soon to leave the Bronx, where he is living now, and move to the Park Avenue district, where his rent will be nearly as much as his present salary. This indicates that during his career as a lawyer he has acquired enough to enable him to pay as much for rent as he is earning. To put it more brutally, he has reached the point where he can emerge from obscurity and enter the limelight of publicity without

NEW YORK'S NEW COAT-OF-ARMS
Bursting in the Brooklyn *Eagle*

SIMONDS
HOME AND FARM SAW

Repairs to be made—odd jobs to be done—that is the call of Spring. So Spring calls for Simonds Home and Farm Saw with teeth that bite their way smoothly and easily through the toughest board. In the Home and Farm Saw, Simonds has produced a cutting tool worthy of the name. Confining manufacture to one size—24 inches long—Simonds is able to offer the Home and Farm Saw at $2.00—a price that is actually less than you *thought* you would have to pay for an *ordinary* saw. Ask your hardware dealer about this saw today

SIMONDS SAW & STEEL COMPANY
Fitchburg, Mass.
"The Saw Makers" *Established 1832*
Branch Stores and Service Shops in Principal Cities

SIMONDS
Pronounced SI-MONDS
SAWS FILES KNIVES STEEL

mother and cub loping along a ridge of rock.

"A little later on in the afternoon I ran across a flock of willow grouse, and, altho I tried several shots, I was unable to bring one down. I thought this peculiar and examined my revolver to see if it had been damaged before being put in the pack-sack. It appeared to be all right and then I discovered that my hand was so shaky that I could not keep it still."

TRYING TO HUMANIZE AN APE

THE scale of culture is like Virgil's path to the lower regions; it is easy to go down but quite another matter to climb up. Man may, and does, learn to behave like a beast; but there are limitations that interfere with the opposite transformation. This fact has again been demonstrated by a four-years' experiment recently concluded in Germany and described by Marcel Thiébault in a contribution to the *Journal des Débats* (Paris). Writes Mr. Thiébault:

If a monkey were not brought up by monkeys, would he be as much of a monkey as other monkeys? This problem has been attacked by Professor Pfungst, well known in Germany for his studies in animal psychology.

Speculations on this matter are worthless. We must have recourse to scientific observation. So the professor has not hesitated to tear a young ape from its parents to place it in a children's clinic at Frankfort. A clean room, furniture and a special nurse; the young baboon, two days old, lives provided with all these things, while at the same time deprived of the hope of learning directly from its parents the good traditions and customs of the apes of the island of Celebes. Brought up by men, will not Rasiko reveal the indefinite possibilities of the simian brain." Almost anything may be expected of him—even that he may become a veritable man, capable not only of taking drinks and riding a bicycle, as do many of his relatives in music halls, but also of reasoning, of working, and possibly, in case of necessity, of performing useful labor.

Since his earliest days, Rasiko has overturned all the theories of heredity; he has taken to sucking his thumb. Nothing like this has ever been observed; monkeys do not suck their thumbs. Together with laughing, this is a peculiarity of man. Nevertheless, Rasiko has not seen any of the babies in the neighboring rooms. It would seem that the idea occurred to him quite personally, since the nurse had never acquired this bad habit. Here, however, the peculiarities of Rasiko ceased. In other respects he showed himself more than ordinarily like a monkey. When angry he opened his mouth furiously, like all other monkeys, not to mention cats and the wild men of Borneo. When any object excited his curiosity, he at once tried to break it open, desirous of penetrating its mysteries. This is an instinct common to apes and men—see all the eviscerated dolls of the nurseries and the questions that Elsa thought she ought to ask Lohengrin. As for pleasure, Rasiko showed it by confused gestures and an increase of activity. Here also, the baboon of Frankfort did nothing new, neither to monkey nor to man; he modestly contented himself with the invention of dancing, on his own

(Remember, these are merely printed reproductions of the real photographs.)

Ansco Speedex Film gets pictures you'll be proud of

Ansco Speedex Film fits all cameras; it is foil wrapped and comes in the red box with the yellow band.

Have you got discouraged because *something* you couldn't feel just was wrong with your pictures? Perhaps the shadows are too black. Or the high lights too flat and glaring.

Try Ansco Speedex Film and you'll get better pictures, and so, you'll have more fun.

Why does Ansco Film give better pictures? Because it has a wider range of light exposure. This means two things: first, you get good pictures even if the sun is not at its brightest; and second, when the sun is really *too* bright, you'll still get flattering pictures because there is a special "compensation" in the film to even up the effect of the stronger light. Send a dollar for some rolls of film to fit your camera, if your photographic dealer cannot supply you.

A *Ready-Set* means more fun

Of course, picture-taking is fun—*if you get good pictures!* To get more fun than you've ever had before, buy one of the Ready-Set cameras. The Ready-Set Juniorette costs only $10.50, the No. 1A is $13.50 and the Vest Pocket Ready-Set is $8.50.

A Ready-Set reduces picture-taking to its simplest terms. No focusing, no shutter complications. Just set for snapshots and shoot. Time exposure simplified as well. The name describes it—it's ready and set for pictures. Taking them right is easy—you simply can't go wrong.

Buy a Ready-Set now for good pictures. If your dealer cannot supply you, use the coupon below and we'll send you one immediately.

The Ready-Set Juniorette costs only $10.50. It takes pictures 2¼ x 3¼.

Illustrated catalog sent free on request.

Emergency Coupon—
Use only if your dealer cannot supply you.

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Please send me the items checked. I enclose $
☐ Four rolls (or proportionate number of exposures) of Ansco Speedex Film, 2¼ x 4¼, or larger. Price $1.00
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Size of film. . . . No. . . . Cam. Model. . . .

So—now—*it's easy to get good pictures*

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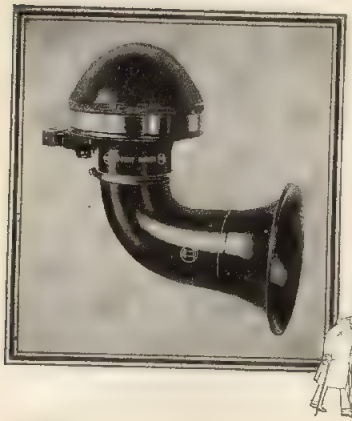
CAMERAS & SPEEDEX FILM



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$21.00
(LIST)

The "Standard" Original Bosch Horn (formerly $25). The horn that sounded a new note in warning signals.

Three models—one quality.

"Junior" - now $16.00
"Standard" - now $21.00
"Master" - now $25.00

The horn that sounded a new note

Its instant success and volume sales make possible a new and lower price

The ready acceptance and popularity of the Original Bosch Horn now make it possible to reduce the price so as to place it within the reach of every discriminating car owner.

The Original Bosch Horn is of the high frequency type, and operates with a minimum of current consumption. It has a distinctive, musical tone which, though far-reaching and penetrating, is most pleasant to hear.

Built into the Original Bosch Horn are the same careful workmanship, accurate detail of design, engineering skill and sturdiness that, since 1887, have characterized *Original* Bosch Magnetos and other *Original* Bosch automotive equipment. The full name, Robert Bosch, and the trade mark shown below, are stamped on every *Original* Bosch product. Be sure to specify "Robert Bosch" in order to get the *original* and genuine.

This trade mark and the name "Robert Bosch" are your guarantee of original Bosch quality as known the world over since 1887. Always specify "Robert Bosch" to get the original.

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There are quick turnover and good profits for you in selling the Original Bosch Horn. Write for schedule of prices and discounts on Original Bosch Automotive equipment.

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The Original Bosch

ROBERT BOSCH MAGNETO COMPANY, INC.

The Grebe Dealer Franchise Offers Unusual Profits

The Synchrophase will satisfy your customers, enhance your prestige, eliminate worry and increase your earnings

GREBE is out to make this the banner year in its long history. Retailers who hold the Grebe franchise will find it exceptionally profitable. Grebe policy protects them absolutely: viz,

1. Prices will be rigidly maintained. We never have "unloaded" and never will.
2. Price-cutting will not be tolerated.
3. Dealer discount is raised to 40%.
4. The number of retailers will be restricted; jobbers will have exclusive territories.
5. With our new factory we can keep pace with demands. There will be no shortage of sets.
6. Dealers will be backed up with local and national advertising more extensive than ever.
7. Special proposition to retailers for local advertising.

Every part of the Synchrophase is designed and built in our plant so that we control construction rigidly. We do not assemble nor make sets to sell at a price; they are built to give enduring service and do so. The unsurpassed reception of the Synchrophase, which has given it such outstanding success, is due to this thorough construction and the exclusive features which are not mere talking points, but real performance-producing innovations.

The GREBE

We can supply the Synchrophase in this De Luxe Console Model.

All Grebe apparatus is covered by patents granted and pending.

The Synchrophase is also supplied without battery base

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A REAL quality product, involving same principles and construction as originated by Turner in famous 2 in 1 Timer, except entire unit is made of genuine Bakelite and connections are to regular Ford wiring assembly. Increases efficiency of any Ford car or Fordson Tractor. Good workmanship and best materials throughout. List price dollar lower than any other quality timer. TURNER JR. will lead YOUR sales. Write today!

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Spindle Bushings Reamed and Faced *in LINE*

A *precision* tool that reams the bushings of the Ford Spindle Body in perfect line, and at the same time correctly faces the flanges. A tool that does the kind of job that makes reassembling easy, and insures long service for the customer

The Reamers are held in line by the cone which enters above the nut. The nut, held by hand or with a wrench, correctly regulates the cutting speed. Finest tool steel, highly finished and carefully tempered

***The* J. W. Moore Machine Co.**

Everett Massachusetts

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Self-Aligning ROLLER BEARING

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Service

If you want the utmost in bearing service for the front wheels of the Buick, Oldsmobile, Oakland Chevrolet and G.M.C. Truck, buy the Shafer Self-Aligning Roller Bearing. Good service is guaranteed.

Write for prices.

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Install—

Tokheim

Motor Driven Gasoline Pumps

—and increase your gasoline sales by giving speedier service. You will not only do more business by serving more cars during the rush hours—but you increase your regular trade by attracting motorists who are impressed by Tokheim efficiency.

Tokheims will filter, visibly measure and deliver 5 gal. of gas in half a minute. All you do is press a lever. Our catalog gives full description. Write for it.

Tokheim Oil Tank & Pump Company

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Tria Horn

Isotta Motors, Inc., Fifth Ave., New York.

A HIGH grade two tone horn of the electro magnetic type. The vibrator unit is housed in a hemispherical bell which is sealed at the factory. Equipped with dual push buttons one each for the low and high tones. Available for either six or eight volts and lists for $38, complete with wiring and push buttons.

Portable Acetylene Generator

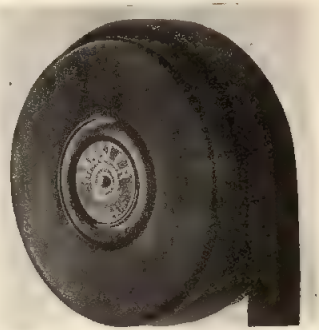
Oxweld Acetylene Co., 30 East 42d St. N. Y. C.

A N addition to the line of the above named company is this new portable generator for producing acetylene at low pressure for welding and cutting. Empty, it weighs 210 lb. and takes a charge of 36 lb. of carbide. No adverse effects result if the generator is knocked over while in operation, it is claimed, and it will work satisfactorily even if tilted to a considerable inclination. It has been listed as an acceptable device for installation on insured premises by the Underwriters' Laboratories, Inc., according to the manufacturer.

Ramco Inner Ring

Ramsey Accessories Mfg. Corp. St. Louis, Mo.

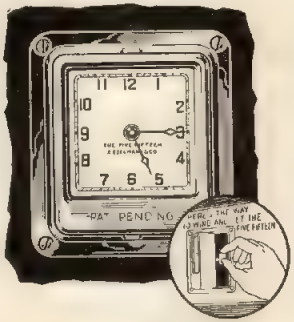
A SUPPLEMENTARY steel ring used in connection with the ordinary cast iron piston ring. It is claimed by the manufacturers that the new model inner ring does not produce excessive wall pressure and that they are so flexible that they can be inserted in new engines along with new piston rings without danger from scoring or premature wear. It is also claimed they will prevent piston slap. Made in sizes to fit all standard diameters. List price, 20 cents each.



Hassler Stabilizer

Robert H. Hassler, Inc., Indianapolis, Ind.

A NEW model of shock absorber designed especially for use in connection with balloon tires. A claimed feature of the device is the quick recovery of the flexible member or connecting belt which is desirable in overcoming the rebound from bumps. Internal mechanism is sealed against mud, water, dirt, grit and other destructive elements. The connecting belt is housed entirely on the outside of the stabilizer mechanism. A separate model has been developed for the Hassler Company for each make of car to which the device has been fitted. This means that the stabilizers are individually designed for the car, adjusted to it and fitted before they leave the factory. A set is packed and labeled front and rear for the particular make of car to which it is to be affixed. The stabilizer was at first made only for Chevrolets, Dodge, Hudson, Essex, Buick and Overland, but will soon be available for all the popular makes of automobiles.



Five-Fifteen Motor Clock

Edelmann & Co., Chicago, Ill.

THIS square clock for dashboard mounting is made by E. Edelmann & Co., Chicago. It has a thirty hour American movement and it is finished in polished nickel. For winding and setting the clock is swung outward on a hinge to give access to the knob in back. Installation is said to be simple and to require the use of only a punch and key hole saw.

GUARANTEE
FRY
VISIBLE

FRY Visible Pump

Are You the Man?

Are you the man who says—"Show me! Show me the pump that above all is dependable! Show me the pump that will increase gallonage!"

Are you that man? If so, permit us to show you the Fry Visible Pump.

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Guarantee Liquid Measure Co.
Rochester, Pennsylvania

PHILIP GILS PUMP COMPANY, Limited
Canadian Manufacturers and Distributors
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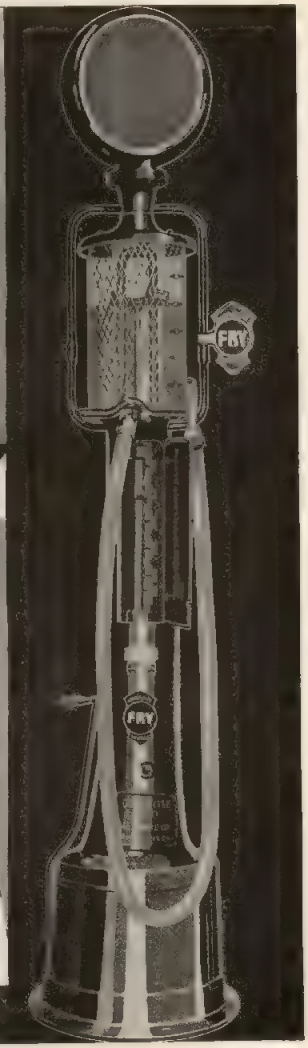
Made in five and ten gallon capacities —both labeled by the Underwriters' Laboratories

"Always Accurate"



The Only Shelves Adjustable by Inches

It is a great convenience to store your stock on shelves adjustable for 1 inch changes, and with partitions adjustable for 3 inch changes. It makes it easy to accommodate your stock room to new items, or to parts changes.

Dexter shelving will thus remain useful as long as you stay in business. It has the quality, too, to stand such lifetime service.

Let us send you details and the name of our representative. His suggestions can lower your costs.

Dexter Metal Mfg. Co.
10 S. 18th St. Philadelphia, Pa.

Makers of Steel Shelving, Metal Lockers, Wire and Sheet Steel Partitions

DEXTER
Steel Shelving for Store and Shop

It *Shows* Tools and *Sells* Them

The Vlchek Display Board with a popular line of steady-selling tools always in view is proving a real sales aid to auto accessory merchants who have installed it.

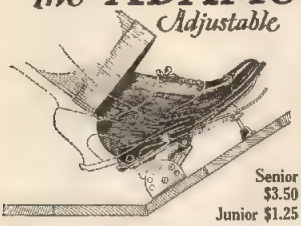
They write us from all over the country telling of steady increases in the sales of automobile tools due solely to the selling power of this *different* Display Board.

You can have this silent but effective salesman in *your* store. It costs you nothing. Just write and ask us.

The Vlchek Tool Co.
3000 East 87th Street
Cleveland, Ohio

EASY TO SAY VELCHEK
VLCHEK TOOLS
MADE BY THE WORLD'S LARGEST PRODUCERS OF TOOL KITS

The ADAMS Adjustable



Senior $3.50
Junior $1.25

FOOT-REST Makes Money

It is because the Adams Adjustable Foot-Rest sells so readily that dealers find handling it highly profitable.

Its quality and adjustable features make it turn over fast in stock.

Ask Your Jobber or Write Us Direct, Giving His Name

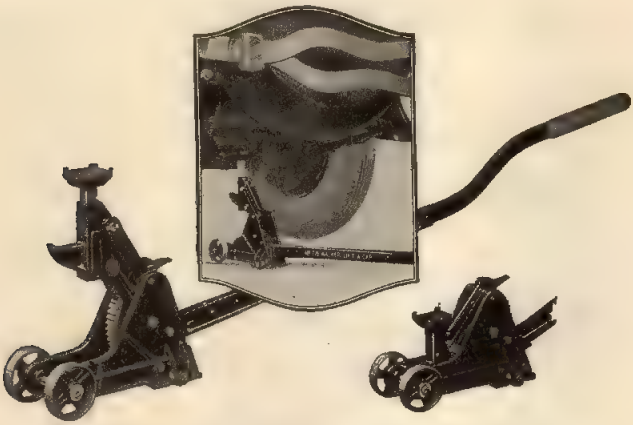
ADAMS MFG. COMPANY
Galesburg Illinois

The Sign of Service

AHLBERG Ground Ball Bearings

As well as New Ball and Roller Bearings carried in stock at each of our thirty-seven branches

Ahlberg Bearing Co.
317 East 29th St. Chicago, Ill.



The immediate acceptance of the Walker Lift-A-Car by service stations, at home and abroad, is proof that it has met and solved the new lifting problems created by the advent of the balloon tire, the low slung axle and the bumper equipped car. With its low initial lift, its high raise and the long handle with short stroke, it combines more features than have ever been found in one lifting tool. To those garages who are still without a Lift-A-Car I will stake my reputation as a jack manufacturer, that once having one you will never be without it.

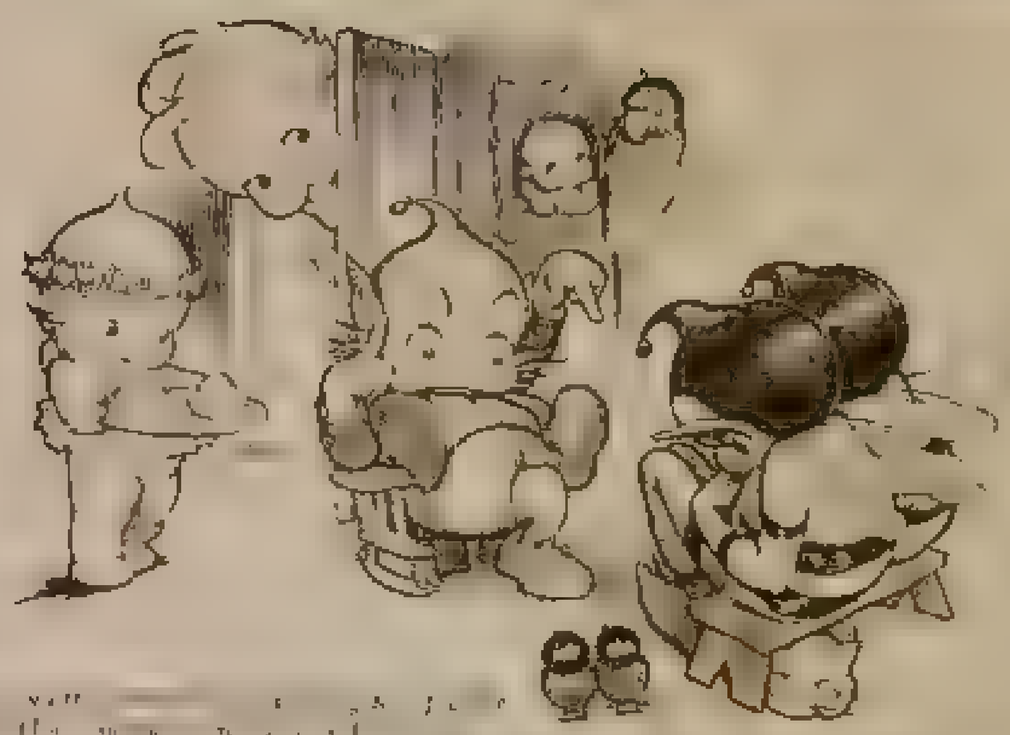
Willard Walker
President

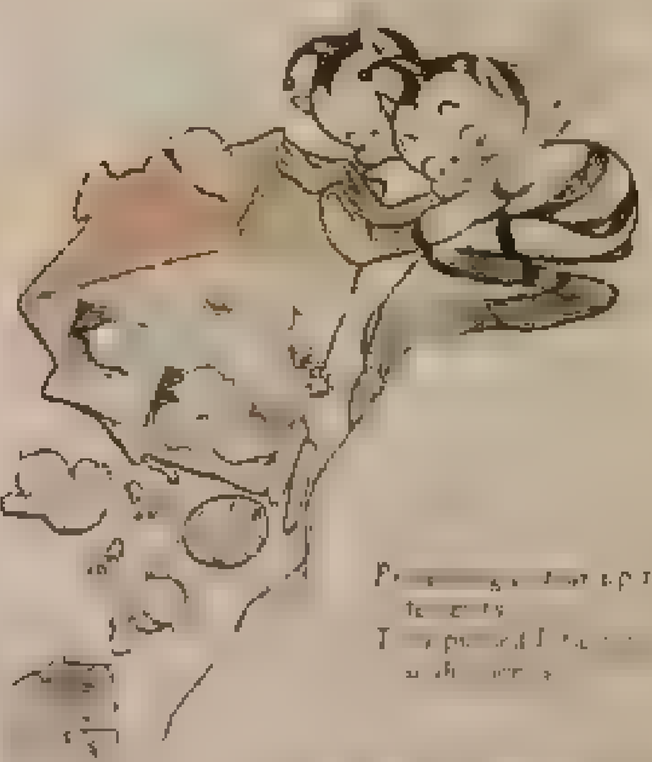
Walker JACKS
"Dependable in Service"

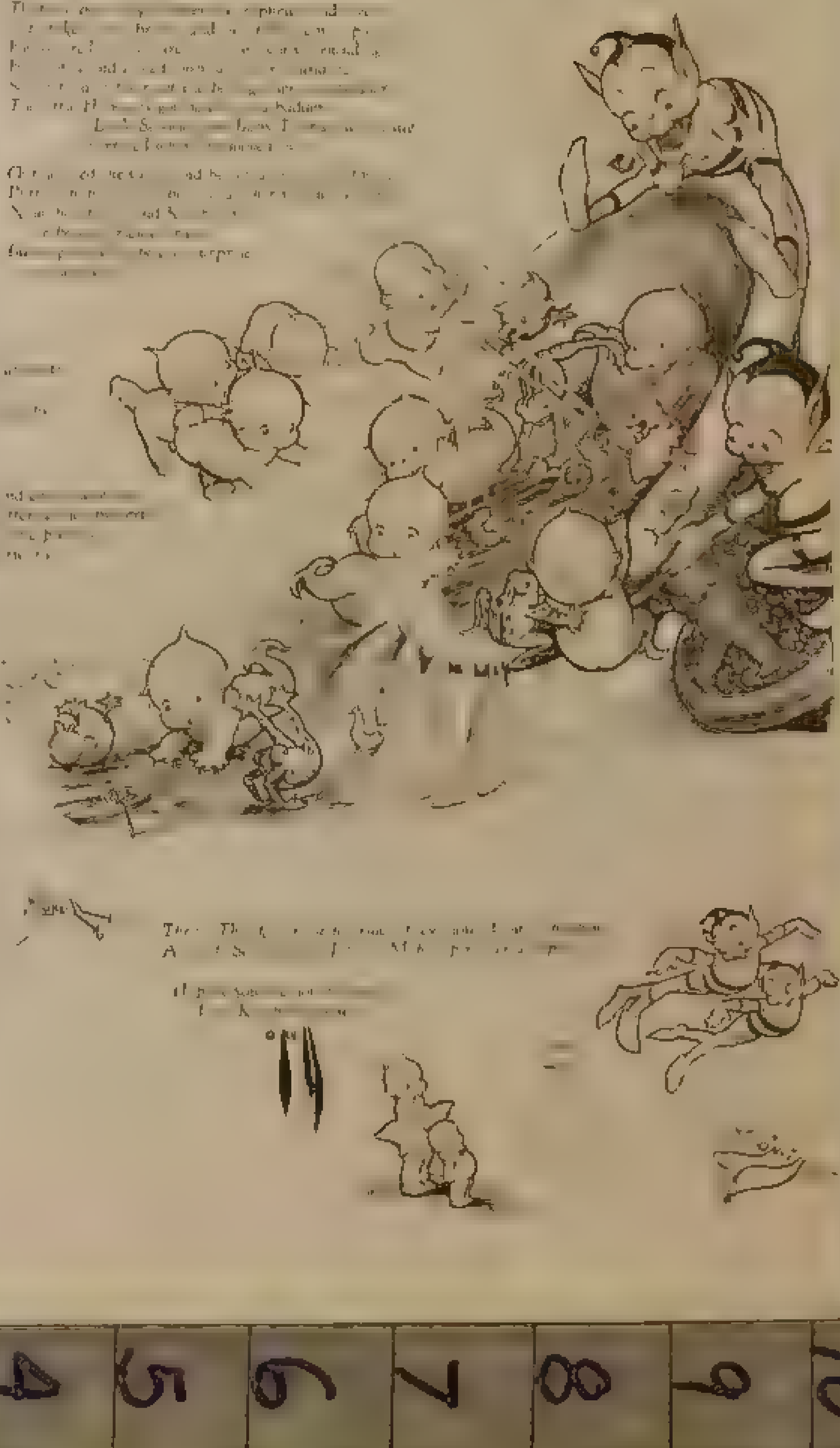
Walker Manufacturing Co.
Racine, Wisconsin

Kewpieville

Verse and Drawings by ROSE O'NEILL.

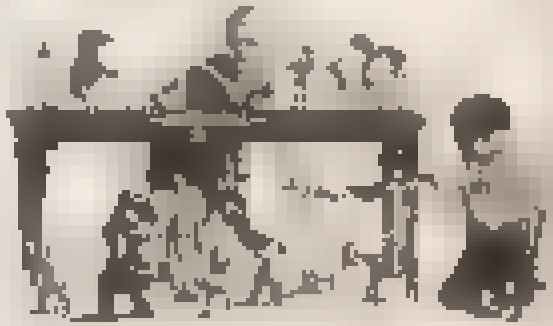






Schoenhut Toys

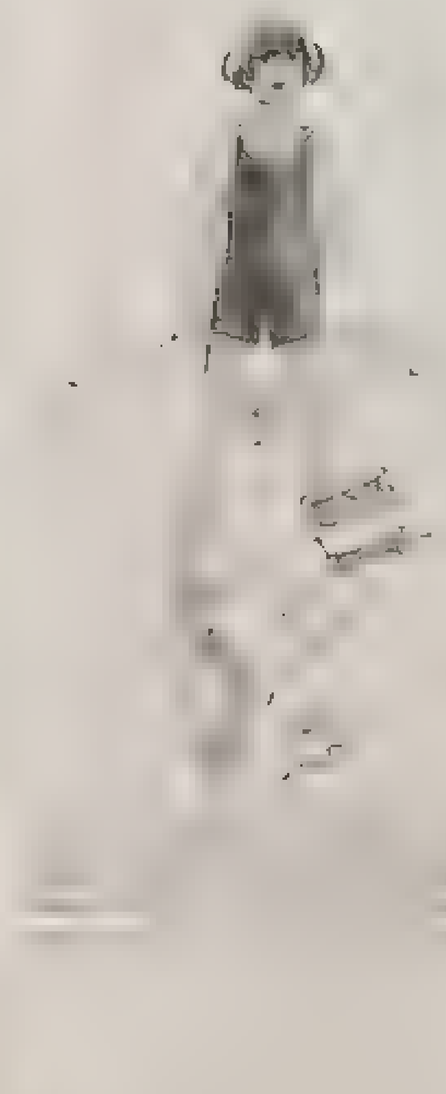
"Schoenhut" Toy Pianos

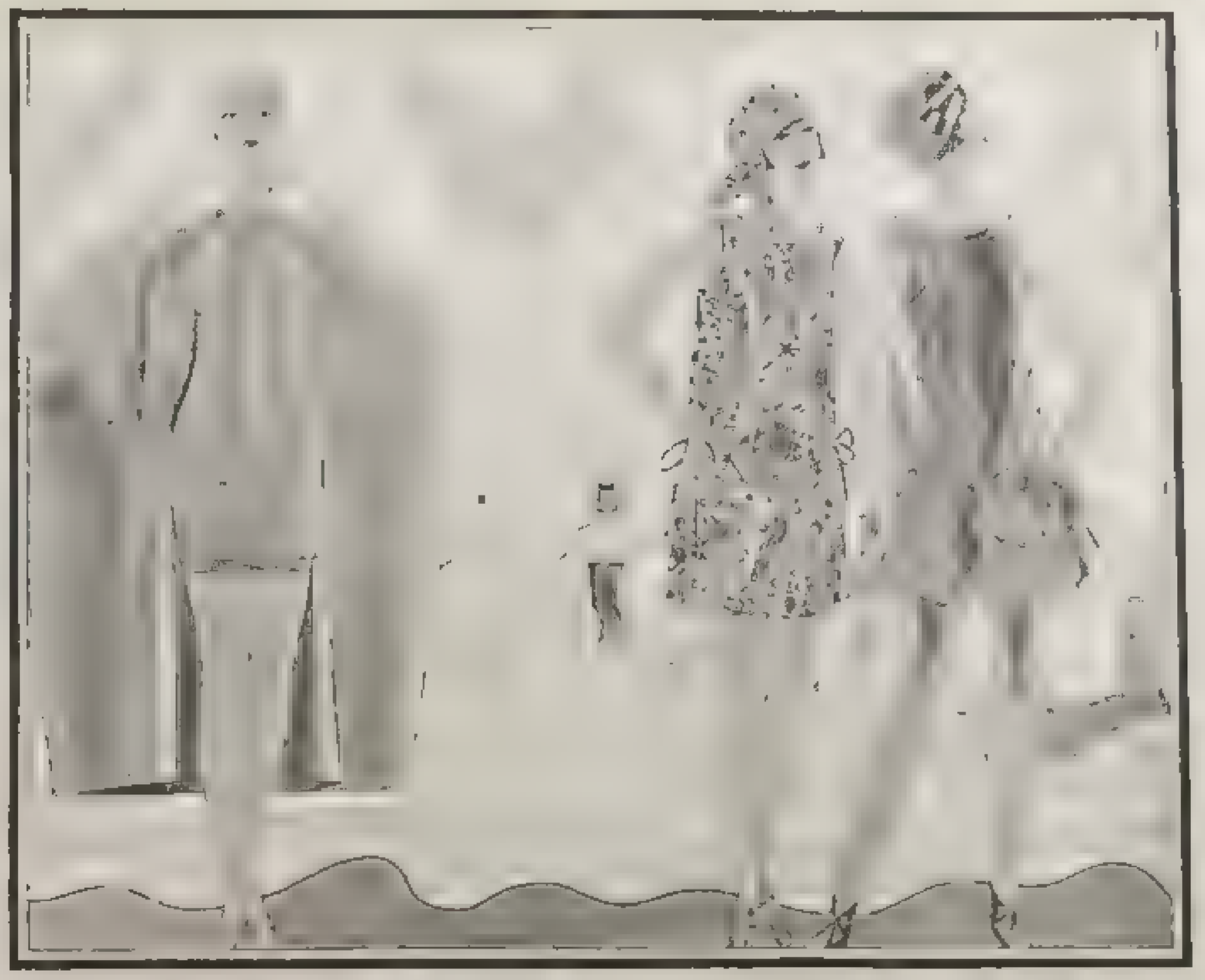


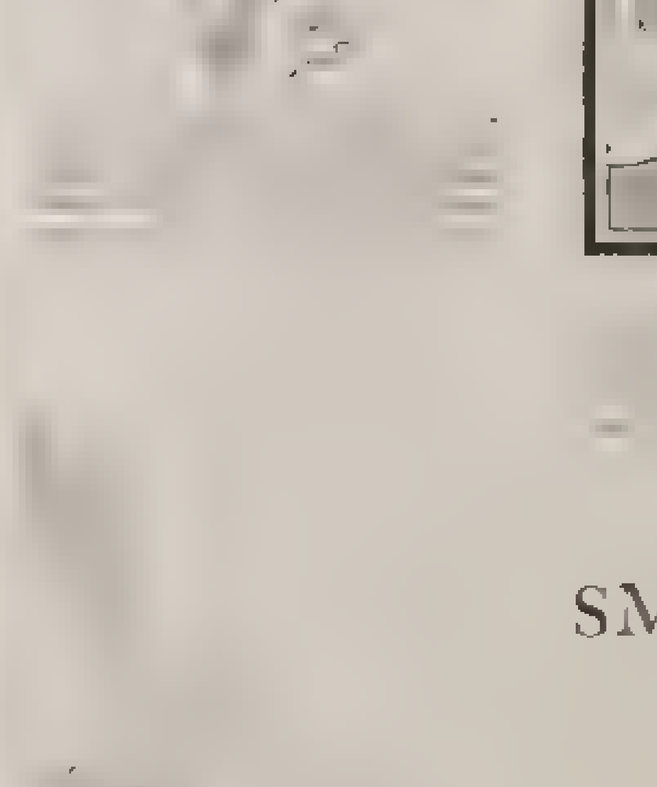
Humpty Dumpty Circus

Acme Blocks

"Schoenhut" Dolls







SMARTEST BATHING-SUITS

Prices most reasonable in New York

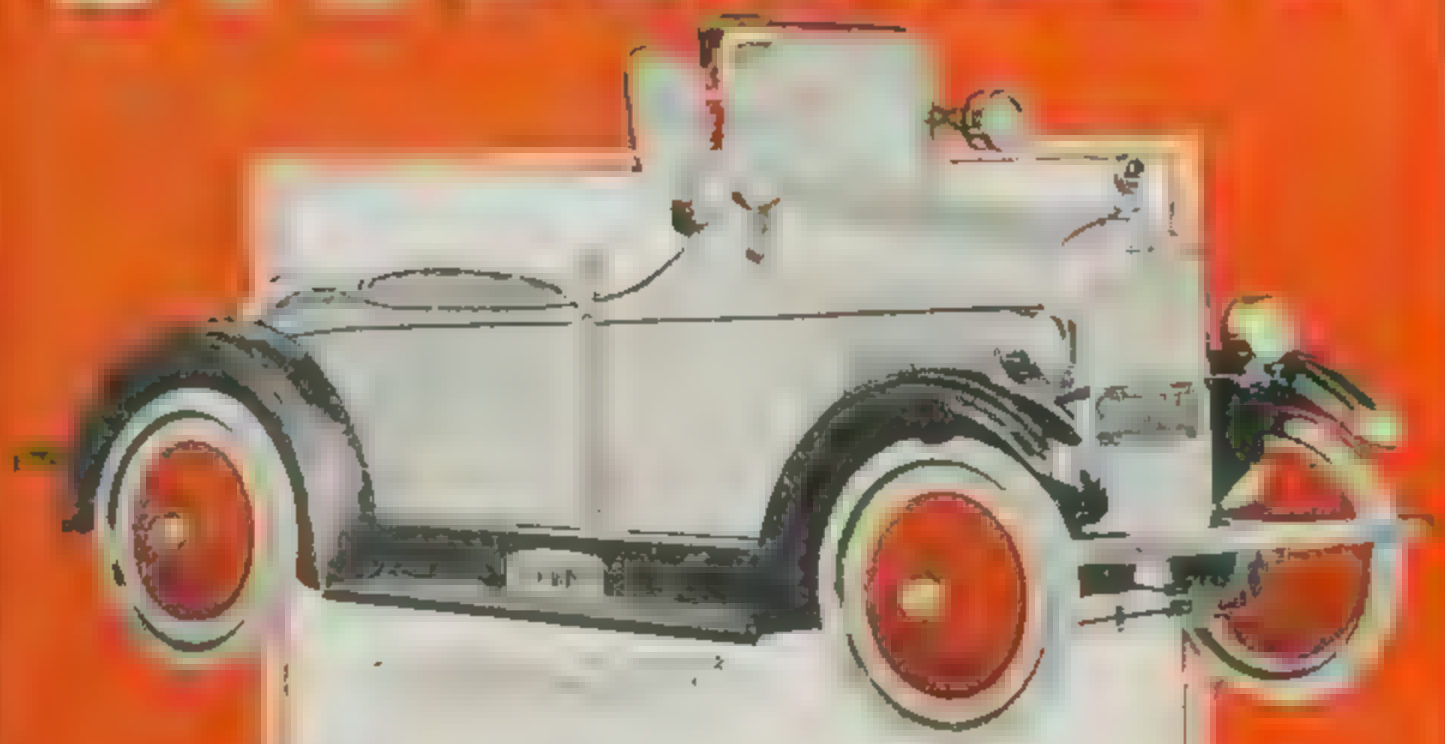
Today, just before the usual avalanche of orders descends on Macy's section of bathing-suits, select several models for yourself, and at least one for each of the young people, from this page of Vogue.

Quality for quality (as in every department of Macy's) the prices are the lowest in New York.

R. H. Macy & Co.

34th ST. & BROADWAY *Inc.* NEW YORK CITY

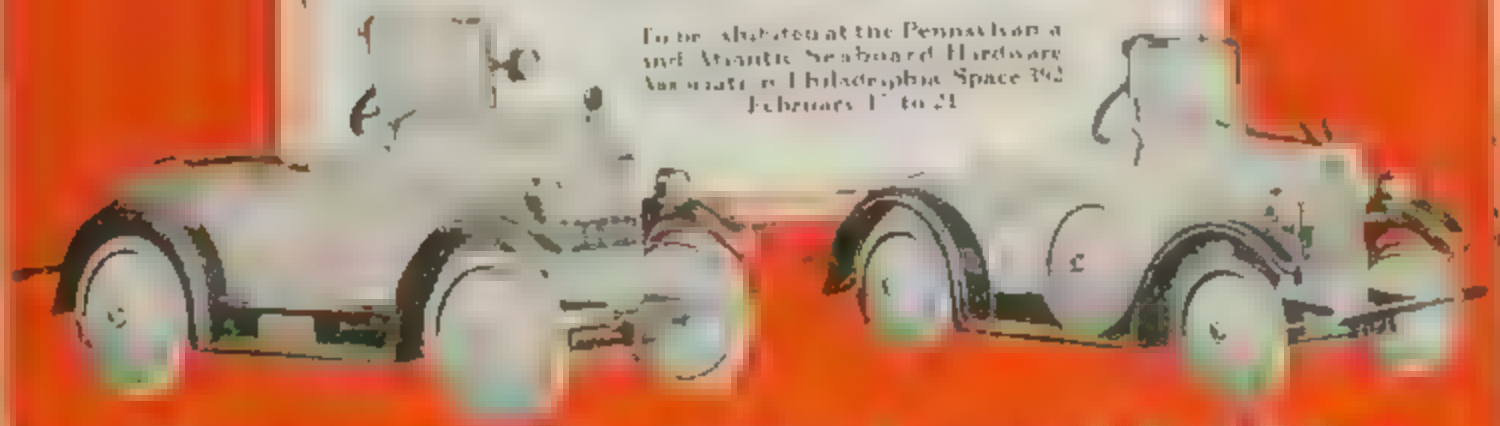
STEELCRAFT



1925 Steelcraft Line

Order Your Samples Now

To be shown at the Pennsylvania and Atlantic Seaboard Hardware Association Philadelphia Space 342 February 17 to 21



Juvenile Automobiles

PAINTED FOR THE LADIES' HOME JOURNAL BY BARBARA BRIGGS

The Bond

By Strickland Gillilan

BABY'S love and sister's love, with mother's envelop-ing all;
Baby's love for the pretty toy holds him in pictured thrall;
Sister—craving the plaything too—stifles her childish yearning,
Whetstoned by her love for Babe himself—soon in her lifetime learning

Love remembers to feast love; contentment comes from giving!
Each, say they who greatly live, is truly the art of living.

Mother, dreaming above the two—her every breath in a prayer is—
Wrestles hard with a futile wish always to keep them there.
Yet months away though the twain may stray, eager to part, or both,
Her mother-love, as now, will aye securely enfold them both.

Hello boys! — how would you like to build models of concrete mixers, steam shovels elevators, motors and dynamos that actually go?

This free book tells you how you can do it!

MY new book, "1,000 Toys in 1" tells all about the new Erector. I want every one of my boy friends to have a copy. It's free; just send me the coupon.

When I was a boy, we didn't have toys like Erector to give us fun every day of the year. If we wanted to build things, we had to use anything we could find. When I graduated from Yale, I made up my mind to make a real toy for American Boys. So I invented the Erector with its hundreds of marvelous parts.

With Erector you boys make marvelous working models—drawbridges, steam shovels, concrete mixers, diggers, lighthouses, engines, motors, dynamos, railroad signals and then the powerful Erector electric motor makes them whiz and spin just like real ones. Oh boy, how you will shout!

The powerful Erector electric motor is a wonder—You can take it apart and put it together easily because it's built so simply. The motor shaft is the same size as the other shafts in the set. That means you can hitch pulleys and gears direct to both sides of the motor itself. Erector electric motor comes in all sets from No. 4 up.

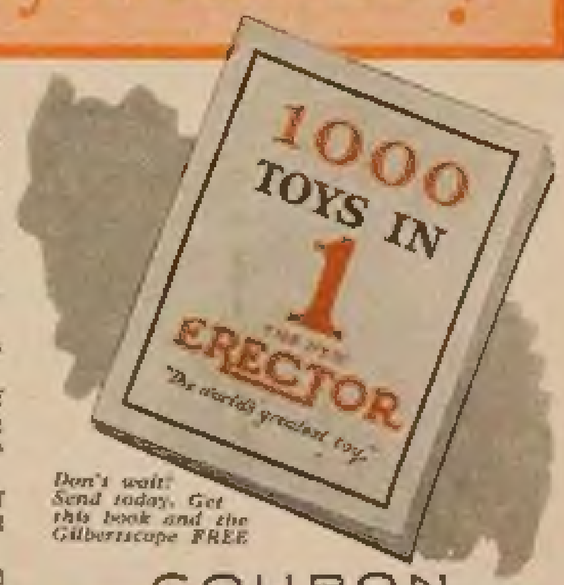
Why Erector is the World's Greatest Toy

1—Erector contains more parts, builds more models than any other toy.
2—Erector square girders—an exclusive Erector feature.
3—Erector powerful electric motor—twelve big special exclusive features. (In No. 4 set and up.)
4—New Erector Boiler—an exclusive feature (in all sets from the Super Erector No 7 up).
5—New Steam Shovel—an exclusive Erector feature. (In the Super-Erector No. 7 and up.)
6—New Erector Dredge Bucket—an exclusive Erector feature. (In new No. 8 and up.)
7—Curved Erector girder—an exclusive Erector feature. (In all sets.)
8—Giant Fly Wheel—an exclusive Erector feature. (In No. 10 set.)
9—Perforated strips, 4 holes to the inch—hundreds of other genuine perfect mechanical parts for duplicating every engineering feat ever attempted. Possible with no other toy than the New Erector.
10—The New Erector contains the greatest assortment of gears—ten in all—from die-cast, bevelled gears, solid brass gears, to the big 50-tooth steel gears.
11—Erector is made from structural steel, plated, enameled and electrically baked.
12—Designed by engineers, used by engineers and endorsed by engineers.
13—The mechanical engineering features of Erector are correct. It is the only perfect method of reproducing engineering feats.
14—It is perfectly interchangeable, owing to the minute detail of standardization.

My free book shows many wonderful models. But there is no end to the things you can build.

There is a lot of fun coming to you when you get your Erector. When you lift the lid and see all the wonderful parts, your hands will itch to start building models right away. You'll play with Erector *first*. You'll be playing with Erector a year from now too. Tell Dad now that an Erector will make you happier than any other present. Show him our book to convince him.

Your friend,
A. C. Gilbert.



Don't wait! Send today. Get this book and the Gilbertscope FREE

COUPON

When you send the coupon for this free book, you will also get an amazing present, the mysterious Gilbertscope. It will fool the smartest boy. You've never seen anything like it. Just look through the Gilbertscope! You won't believe your eyes. Everybody will want to look through it too. Send the coupon now and get the book and the Gilbertscope absolutely free.

A. C. GILBERT CO.
100 Blatchley Avenue,
New Haven, Conn.

Please send me FREE my copy of the book "1,000 toys in 1" and the mysterious Gilbertscope.

Name_____
Street_____
City_____
State_____

The Super-Erector Set No. 7—$10

THE most popular Erector set. Contains Powerful Erector Electric motor, new Erector Boilers, and sand shovel, base plates, curved girders, perforated strips, die-cast gears, bevelled gears, solid brass gears. 473 parts—builds 533 models, with dandy 64-page manual in colors. Packed in hardwood box, sanded, stained and varnished, brass finished handle grips, suit case catches for convenience in opening and closing. Other Erector Sets from $1.50 to $60.00.

THE NEW

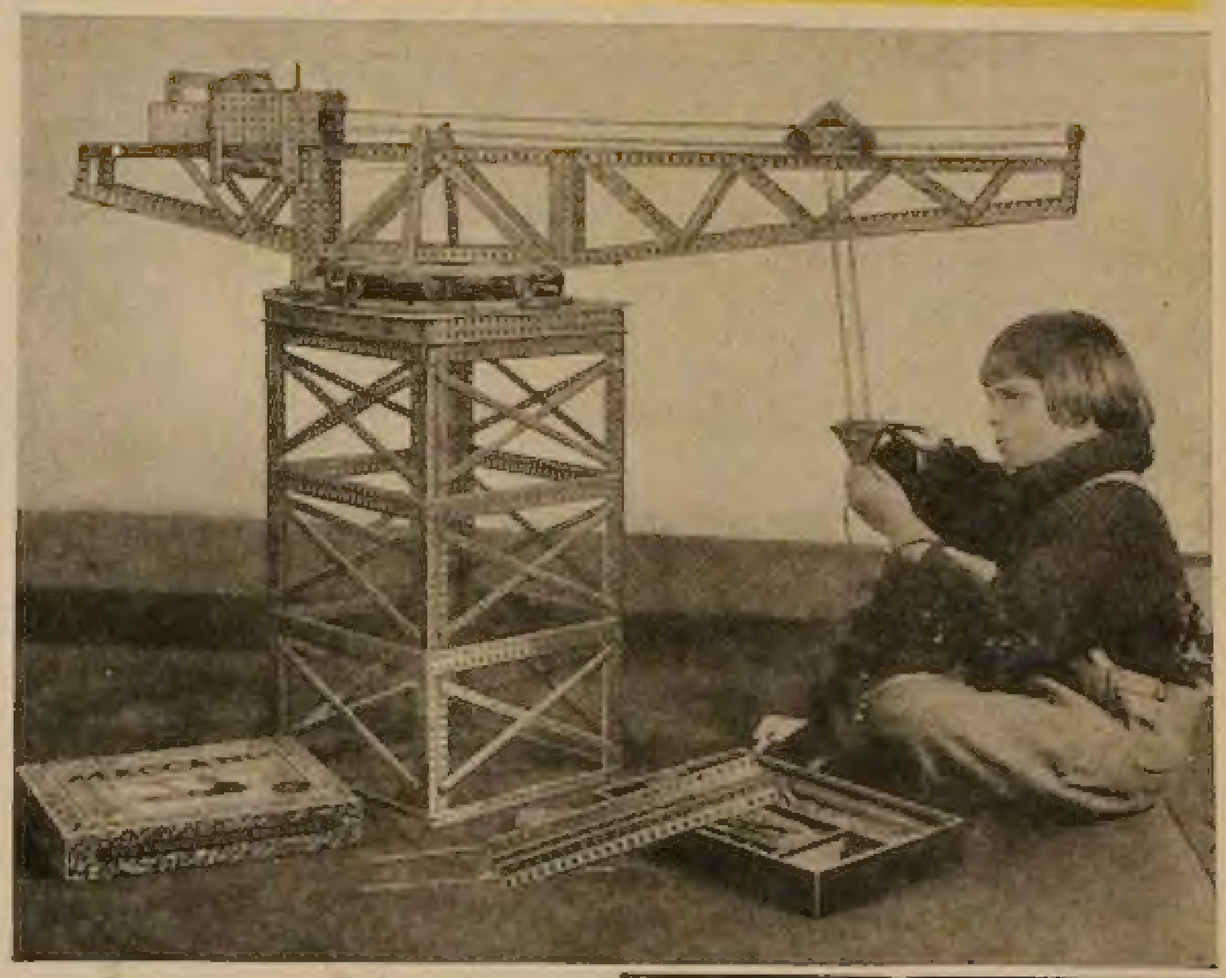
ERECTOR

Built with the New Erector (with powerful electric motor) *"The world's greatest toy"*

MADE FIRST—MADE BETTER—BUILDS MOST

"I have been a Meccano Fan since I got my first set"

Jackie Coogan



HAVING a choice of all construction toys, Jackie Coogan selected Meccano, the original and "The Daddy of them all." When Jackie is not acting in the movies, you will find him playing with Meccano. More than once between pictures he has been found finishing a Meccano model which he has designed himself.

You, too, can share in this Meccano fun. You can build towers, cranes, bridges, steam shovels and endless other models—anything you can think of, but you must have the real Meccano.

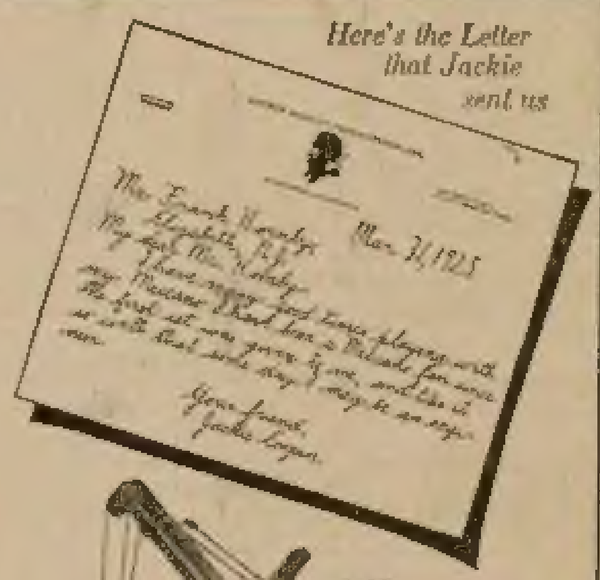
Made First—Made Better—Builds Most

Meccano has more than 200 parts—a part for every purpose. That's why it will build more models than any other toy. There are strong steel strips, with holes every half inch to make building easy; solid brass pulleys and gears; couplings for strips and rods, curved strips and many others. Other toys have copied some of these parts but only Meccano has them all. In fact there has never been a steel construction toy that did not adopt some Meccano parts—that's how good Meccano is. But don't be fooled, get the original Meccano every time.

With every Meccano outfit is included a big book full of pictures of models. There is nothing further to buy—the fun begins as soon as you open your set.

Yes, Jackie is enthusiastic about Meccano and you fellows will be, too. Ask Dad to give you Meccano and then—Oh Boy!

Here's the Letter that Jackie sent us



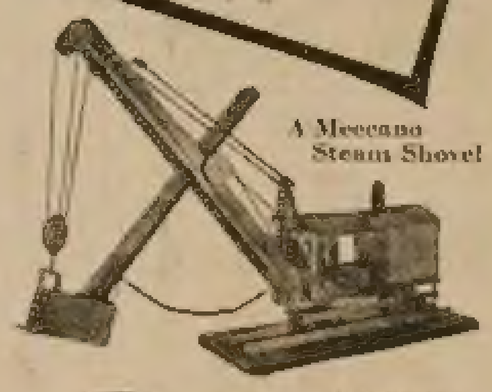
Mar. 31, 1925

Mr. Frank Hornby
Liverpool, Eng.

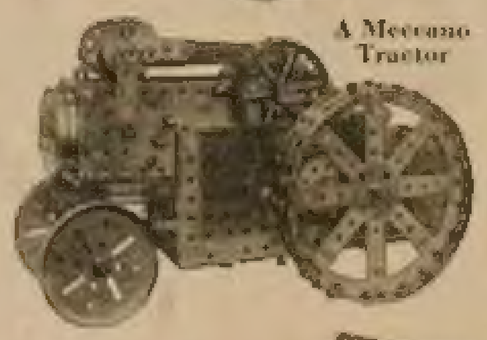
My dear Mr. Hornby,

I have many good times playing with my Meccano. That's how I got the idea for the book. All you have to do is to put the parts together as the book tells you to and you can make it.

Your friend,
Jackie Coogan



A Meccano Steam Shovel



A Meccano Tractor

Some Exclusive Meccano Features

Only in Meccano can you get these parts

1 Heavy Perforated Steel Strips with smooth edges
2 Sturdy Angle Girders
3 Nuts and Bolts framed to prevent rust
4 Brass Wheels with solid brass tube
5 Large Braced Girders
6 Solid Brass Gears the teeth are cut, not stamped
7 Curved Strips
8 Patented Cranks and Couplings
9 Triple-throw Eccentric
10 Powerful Geared Motors

Start right! Other toy parts may look like Meccano, but place them side by side and judge for yourself.

Special $8.50 Outfit

This splendid-value outfit contains a great assortment of parts and a powerful reversing motor. Builds hundreds of models and the manual included pictures more than 150. Price No. 2X Outfit—$8.50

MECCANO

Engineering for Boys

Meccano Price List

No. 00 Outfit	$1.00	No. 1X—with motor	$5.00
No. 0 Outfit	2.00	No. 2 Outfit	6.00
No. 1 Outfit	3.00	No. 2X Outfit	8.50

And others to $45.00

For sale at most toy stores. Sent direct on receipt of price if your dealer cannot supply you.

Meccano Company, Inc., Div. A-11, Elizabeth, N. J.

In Canada—Meccano Ltd., 15 Colborne St., Toronto

This Book Free

"The Magic Carpet"—that carries you to the wonderland of Meccano joy and model building. Full of beautiful pictures. Mail the coupon, with your chums' names and addresses and it will be sent to you free.

Meccano Company, Inc., Div. A-11, Elizabeth, N. J.
Attached are the names and addresses of three of my chums. Please send me your free Meccano book.

My name _____

Address _____

_____

AS EASY AS BUILDING WITH BLOCKS

Never before were there such red blooded stories! Every page grips you—makes your heart beat faster—for Zane Grey knows the REAL romance and thrill of the TRUE West. He knows its haunting mysteries, its throbbing adventure, its picturesque personalities. He has actually lived with them. And he knows how to make you see them, hear them, know them.

Mail the Magic Coupon Below and—

—Gallop, with Zane Grey, over the wind-swept plains of the daring West!

Zane Grey

"He has more of the epic spirit than any other living American. He gives the Homeric bigness, resourcefulness, tremendousness to his people. His landscapes are in themselves thrilling."—*Rupert Hughes.*

"Nothing could be more real than the romances of Zane Grey. He lives them all before he writes them. . . . He is the master creator of Western Romance, the biographer of the most romantic country in the world."—*Success Magazine.*

"If an Easterner, you will have a better understanding of the West; if a Westerner you will have a better one for having read how the West as it is to-day, came to be."—*Salt Lake City Tribune.*

FORGET business! Forget any cares or worries you may have. Gather, in the evening, somewhere in the Golden West, around a fresh-smelling wood-fire. Listen to the yarns of the drawling cowboys. Hear the quaint songs of the ranchmen. Follow quiet trails that lead up rocky mountainsides and down into deep canyons!

Here is your passport to a new world, to a thousand undreamed-of new experiences. The magic coupon below will transport you—*whenever you want to be transported*—into a realm of true adventure.

Ride like mad; shoot quick, if you *must* shoot; love and be loved; *lose yourself* completely in the mountains, canyons and deserts of the gorgeous, historical, red-blooded, big-hearted West. Those are the vivid sensations that will be given you by

ZANE GREY *The World's Most Popular Living Author*

MASTER TALES of the GOLDEN WEST

12 Magnificent, Thrilling, Full-length Novels (The Only Uniformly Bound Edition)

Let Zane Grey introduce you to some of the men and women he has known—gamblers, cowboys, preachers, outlaws, scouts, bandits, Indians, Mormons, miners, cattle thieves, train robbers—gentlemen and gunmen—bankers and horse thieves—good women and bad women—all those indomitable, devil-may-care adventurers who, with spirits high and guns spitting fire, rode and fought their way over the mountains and across the plains of the Golden West.

No set of books can compare with these in interest and entertainment. They are more than literature, they are history and life. Better than any other writer, Zane Grey knows these gallant, heroic men and women of the old West. He has lived with them, in ranch house and cabin. He has shared their fun and their privations.

That is why these books of Zane Grey's will live forever and ever. *The U. P. Trail, To the Last Man, Wildfire, Wanderer of the Wasteland, The Lone Star Ranger, The Light of Western Stars, Desert Gold, Riders of the Purple Sage, The Rainbow Trail, The Border Legion, Heritage of the Desert, The Mysterious Rider.*

Short-time 33 1/3% Bargain Offer

Recognizing the permanent literary and historical value of these masterpieces that have sold singly by the hundred thousand copies at much higher prices, and responding to the insistent popular demand for a Uniform Set, we now present this First and Only *Uniform* Edition of Zane Grey—the Home-library Edition.

Through the co-operation of Zane Grey and his publishers, both of whom have generously agreed to cut their royalties to a minimum, we are able to make an especially attractive offer. *For the first time,* you may have the wonderful, gripping, famous novels of Zane Grey—*uniformly bound* in a handsome, permanent, beautifully printed library edition—at a startlingly low price—a reduction of 33⅓% off the regular publishers' price for the single volumes.

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McKinlay, Stone & Mackenzie
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These situations, throbbing with drama! Conflicts provoked at a word, a look. Every page a thrill! Every chapter a gripping climax!

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Please send me, on approval, all charges prepaid, your New Uniform Library edition of Zane Grey's Master Tales of the Golden West in 12 volumes, handsomely bound in Sapphire-brown cloth.* If I decide to keep the books, I will send you $1 promptly and further pay you $1 a month for only 14 months. Otherwise I will return the set within 10 days at your expense.

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